

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

F1\_M3

**C Number:** C99031  
**Lock Date:** 05/05/2008  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.3.1  
**PWG Approval Date:** NONE

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 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 482

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Spleen                  | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                                |                   |
|--------------------------|--|--------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                    | Hyperplasia                    | Minimal           |
| * Bone Marrow            |  | Hyperplasia                    | Moderate          |
| * Islets, Pancreatic     |  | Hyperplasia                    | Moderate          |
| * Kidney                 |  | Nephropathy                    | Minimal           |
| * Liver                  |  | Eosinophilic Focus             |                   |
|                          |  | Hepatocellular Adenoma         |                   |
|                          | [ Hepatocellular Adenoma TGLs = 1-10 ]         |                                |                   |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung) |
|                          |  | Alveolar/Bronchiolar Carcinoma |                   |
|                          | Alveolus                                       | Infiltration Cellular          | Histiocyte, Mild  |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 2-11 ] |                                |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                    | Lymphoid, Mild    |
| * Nose                   | Olfactory Epi                                  | Accumulation, Hyaline Droplet  | Mild              |
|                          | Respirat Epith                                 | Hyperplasia                    | Minimal           |
| * Preputial Gland        |  | Inflammation                   | Minimal           |
| * Stomach, Forestomach   | Epithelium                                     | Hyperkeratosis                 | Moderate          |
|                          | Epithelium                                     | Hyperplasia                    | Marked            |
|                          |  | Inflammation                   | Mild              |
|                          | [ Hyperplasia TGLs = 3-12 ]                    |                                |                   |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
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**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 1

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 482

**DOSE:** 0 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700103

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Dysplasia

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**PRIMARY CAUSE OF DEATH**

- Lung Alveolar/Bronchiolar Carcinoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
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 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| Blood Vessel             | * Bone                     | * Brain                   | * Epididymis                |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |                                  |                                  |                      |
|----------------------|----------------------------------|----------------------------------|----------------------|
| * Adrenal Cortex     | Subcapsular                      | Hyperplasia                      | Minimal              |
| * Adrenal Medulla    |                                  | Hyperplasia                      | Minimal              |
| * Bone Marrow        |                                  | Hyperplasia                      | Mild                 |
| * Heart              |                                  | Cardiomyopathy                   | Minimal              |
| * Islets, Pancreatic |                                  | Hyperplasia                      | Mild                 |
| * Kidney             |                                  | Mineralization                   | Minimal              |
|                      |                                  | Nephropathy                      | Minimal              |
| * Liver              |                                  | Eosinophilic Focus               |                      |
|                      |                                  | Inflammation                     | Minimal              |
| * Lung               |                                  | Alveolar/Bronchiolar Adenoma     |                      |
|                      |                                  | Alveolar/Bronchiolar Carcinoma   |                      |
|                      | Alveolar Epith                   | Hyperplasia                      | Mild                 |
|                      |                                  | Infiltration Cellular            | Histiocyte, Moderate |
|                      | [ Alveolar/Bronchiolar Carcinoma | TGLs = 1-10 ]                    |                      |
|                      | Lymph Node                       | Bronchial                        | Hyperplasia          |
| * Nose               | Respirat Epith                   | Hyperplasia                      | Lymphoid, Moderate   |
| * Spleen             |                                  | Hematopoietic Cell Proliferation | Minimal              |
| Tooth                |                                  | Dysplasia                        | Minimal              |

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
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 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
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 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                   |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal           |
| * Bone Marrow        |   | Hyperplasia                      | Mild              |
| * Heart              |   | Cardiomyopathy                   | Mild              |
| * Islets, Pancreatic |   | Hyperplasia                      | Mild              |
| * Kidney             |   | Mineralization                   | Minimal           |
|                      |   | Nephropathy                      | Moderate          |
| * Liver              |   | Hepatocellular Adenoma           | Multiple          |
|                      |   | Hepatocellular Carcinoma         | Multiple          |
|                      |   | Inflammation                     | Minimal           |
|                      | [ Hepatocellular Adenoma TGLs = 1,5-10+13 ]   |                                  |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 2,3-11+12 ] |                                  |                   |
| * Lung               |   | Inflammation                     | Mild              |
| Lymph Node           | Bronchial                                     | Hyperplasia                      | Lymphoid, Minimal |
| * Nose               | Respirat Epith                                | Hyperplasia                      | Minimal           |
| * Spleen             |   | Hematopoietic Cell Proliferation | Mild              |
| * Thymus             |   | Hyperplasia                      | Lymphoid, Mild    |
| Tooth                |   | Dysplasia                        |                   |

Animal Note: TGL4 = NCL

\* PROTOCOL REQUIRED TISSUE

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 Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Brain                  |
| * Esophagus                | * Eye                     | * Gallbladder               | * Harderian Gland        |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                       |                   |
|--------------------------|---|-----------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                             | Hyperplasia           | Minimal           |
| * Bone Marrow            |   | Hyperplasia           | Mild              |
| * Epididymis             |   | Infiltration Cellular | Lymphoid, Minimal |
| * Heart                  |   | Cardiomyopathy        | Mild              |
| * Intestine Large, Cecum | Epithelium                              | Hyperplasia           | Mild              |
| * Islets, Pancreatic     |   | Hyperplasia           | Mild              |
| * Kidney                 |   | Mineralization        | Minimal           |
|                          |   | Nephropathy           | Moderate          |
| * Liver                  |   | Basophilic Focus      |                   |
|                          |   | Clear Cell Focus      |                   |
|                          |   | Eosinophilic Focus    |                   |
|                          |   | Inflammation          | Minimal           |
|                          |   | Mixed Cell Focus      |                   |
|                          |   | Necrosis              | Minimal           |
|                          | [ Basophilic Focus TGLs = 1-11 ]        |                       |                   |
|                          | [ Clear Cell Focus TGLs = 1-11 ]        |                       |                   |
|                          | [ Eosinophilic Focus TGLs = 1,2-11+12 ] |                       |                   |
|                          | [ Mixed Cell Focus TGLs = 1-11 ]        |                       |                   |
| * Lung                   | Alveolar Epith                          | Hyperplasia           | Minimal           |
|                          |   | Inflammation          | Minimal           |

\* PROTOCOL REQUIRED TISSUE

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First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700106

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |                |                                  |                |
|--------------------------|----------------|----------------------------------|----------------|
| Lymph Node               | Bronchial      | Hyperplasia                      | Lymphoid, Mild |
| * Lymph Node, Mandibular |                | Hyperplasia                      | Lymphoid, Mild |
| Mesentery                | Fat            | Necrosis                         | Marked         |
| [ Necrosis TGLs = 3-12 ] |                |                                  |                |
| * Nose                   | Respirat Epith | Hyperplasia                      | Mild           |
|                          |                | Inflammation                     | Minimal        |
| * Preputial Gland        |                | Inflammation                     | Minimal        |
| * Spleen                 |                | Hematopoietic Cell Proliferation | Mild           |
| Tooth                    |                | Dysplasia                        |                |

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 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |  |                                  |                   |
|------------------------|--|----------------------------------|-------------------|
| * Bone Marrow          |  | Hyperplasia                      | Minimal           |
| * Brain                |  | Infiltration Cellular            | Lymphoid, Minimal |
| * Heart                |  | Cardiomyopathy                   | Minimal           |
| * Islets, Pancreatic   |  | Hyperplasia                      | Minimal           |
| * Kidney               |  | Nephropathy                      | Moderate          |
|                        |  | Pigmentation                     | Minimal           |
| * Liver                |  | Hepatocellular Carcinoma         | Multiple          |
|                        | [ Hepatocellular Carcinoma TGLs = 2,3,4-10+11+12 ] |                                  |                   |
| * Nose                 | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Mild              |
|                        | Respirat Epith                                     | Hyperplasia                      | Minimal           |
| * Preputial Gland      |  | Inflammation                     | Minimal           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate          |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Moderate          |
|                        | Epithelium   | Hyperplasia                      | Moderate          |
|                        | [ Hyperplasia TGLs = 5-13 ]                        |                                  |                   |
| Tooth                  |  | Dysplasia                        |                   |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE



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 Species/Strain: MICE/B6C3F1

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Date Report Requested: 04/13/2011  
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 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |                |
|----------------------|--|----------------------------------|----------------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                      | Minimal        |
| * Bone Marrow        |  | Hyperplasia                      | Mild           |
| * Heart              |  | Cardiomyopathy                   | Mild           |
| * Islets, Pancreatic |  | Hyperplasia                      | Mild           |
| * Kidney             |  | Mineralization                   | Mild           |
|                      |  | Nephropathy                      | Mild           |
| * Liver              |  | Clear Cell Focus                 |                |
|                      |  | Eosinophilic Focus               |                |
|                      |  | Hepatocellular Adenoma           | Multiple       |
|                      |  | Inflammation                     | Moderate       |
|                      |  | Vacuolization Cytoplasmic        | Mild           |
|                      | [ Clear Cell Focus TGLs = 5,6-11+14 ]            |                                  |                |
|                      | [ Eosinophilic Focus TGLs = 2-11 ]               |                                  |                |
|                      | [ Hepatocellular Adenoma TGLs = 1,3,4-10+12+13 ] |                                  |                |
| * Nose               | Respirat Epith                                   | Hyperplasia                      | Minimal        |
| * Preputial Gland    |  | Inflammation                     | Minimal        |
| * Prostate           |  | Hyperplasia                      | Minimal        |
| * Spleen             |  | Hematopoietic Cell Proliferation | Mild           |
|                      |  | Hyperplasia                      | Lymphoid, Mild |

\* PROTOCOL REQUIRED TISSUE

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**Lab:** BAT

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**ANIMAL ID:** 6

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700108

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Dysplasia

---

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 Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     | * Pancreas                |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                   |  |                                |                     |
|-------------------|--|--------------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular                                    | Hyperplasia                    | Minimal             |
| * Bone Marrow     |  | Hyperplasia                    | Moderate            |
| * Heart           |  | Cardiomyopathy                 | Minimal             |
| * Kidney          |  | Nephropathy                    | Moderate            |
| * Liver           |  | Hepatocellular Carcinoma       |                     |
|                   |  | Inflammation                   | Minimal             |
|                   |  | Necrosis                       | Marked              |
|                   | [ Hepatocellular Carcinoma TGLs = 1-10 ]       |                                |                     |
|                   | [ Necrosis TGLs = 2-11 ]                       |                                |                     |
| * Lung            |  | Alveolar/Bronchiolar Carcinoma |                     |
|                   |  | Hepatocellular Carcinoma       | Metastatic (Liver)  |
|                   |  | Infiltration Cellular          | Histiocyte, Minimal |
|                   | Alveolus                                       |                                |                     |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 9-18 ] |                                |                     |
| Lymph Node        | Inguinal                                       | Hyperplasia                    | Lymphoid, Minimal   |
| * Preputial Gland |  | Inflammation                   | Minimal             |
| * Skin            | Dermis   | Fibrosis                       | Moderate            |
|                   | Epidermis                                      | Hyperkeratosis                 | Marked              |
|                   | Epidermis                                      | Hyperplasia                    | Moderate            |
|                   | Dermis   | Inflammation                   | Moderate            |

\* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 610

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700109

**ORGAN AND ACCOUNTABLE SITE STATUS**

|  |                                  |          |
|--|----------------------------------|----------|
| Epidermis                                      | Ulcer                            | Moderate |
| [ Ulcer TGLs = 3,4,5,6,7,8-12+13+14+15+16+17 ] |                                  |          |
| * Spleen                                       | Hematopoietic Cell Proliferation | Moderate |
| Tooth  | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Skin Epidermis Ulcer  
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

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 Lab: BAT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                   |  |                                  |          |
|-------------------|--|----------------------------------|----------|
| * Adrenal Cortex  | Subcapsular                                    | Hyperplasia                      | Minimal  |
| * Bone Marrow     |  | Hyperplasia                      | Moderate |
| * Heart           |  | Cardiomyopathy                   | Minimal  |
| * Kidney          |  | Mineralization                   | Minimal  |
|                   |  | Nephropathy                      | Minimal  |
| * Liver           |  | Hemangiosarcoma                  |          |
|                   |  | Hepatocellular Carcinoma         |          |
|                   |  | Inflammation                     | Minimal  |
|                   | [ Hemangiosarcoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |          |
|                   | [ Hepatocellular Carcinoma TGLs = 1-10 ]       |                                  |          |
| * Lung            |  | Alveolar/Bronchiolar Adenoma     |          |
|                   | [ Alveolar/Bronchiolar Adenoma TGLs = 5-14 ]   |                                  |          |
| * Nose            | Respirat Epith                                 | Hyperplasia                      | Minimal  |
| * Preputial Gland |  | Inflammation                     | Mild     |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate |
| * Thyroid Gland   | Follicle                                       | Hyperplasia                      | Minimal  |
|                   | Follicular Cel                                 | Hypertrophy                      | Minimal  |
| Tooth             |  | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Prostate                | * Salivary Glands           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |                                    |                                  |                    |
|--------------------------|------------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         |                                    | Hematopoietic Cell Proliferation | Moderate           |
|                          | Subcapsular                        | Hyperplasia                      | Marked             |
| * Bone Marrow            |                                    | Hyperplasia                      | Mild               |
| * Epididymis             |                                    | Infiltration Cellular            | Lymphoid, Mild     |
| * Heart                  |                                    | Cardiomyopathy                   | Minimal            |
| * Islets, Pancreatic     |                                    | Hyperplasia                      | Mild               |
| * Kidney                 | Renal Tubule                       | Hyperplasia                      | Moderate           |
|                          |                                    | Infarct                          | Mild               |
|                          |                                    | Mineralization                   | Mild               |
|                          |                                    | Nephropathy                      | Moderate           |
| * Liver                  |                                    | Eosinophilic Focus               |                    |
|                          |                                    | Inflammation                     | Minimal            |
|                          | [ Eosinophilic Focus TGLs = 1-11 ] |                                  |                    |
| * Lymph Node, Mandibular |                                    | Hyperplasia                      | Lymphoid, Moderate |
| * Nose                   | Respirat Epith                     | Hyperplasia                      | Mild               |
| * Pituitary Gland        |                                    | Inflammation                     | Minimal            |
| * Preputial Gland        |                                    | Inflammation                     | Minimal            |
| * Seminal Vesicle        |                                    | Inflammation                     | Marked             |
|                          | [ Inflammation TGLs = 2-12 ]       |                                  |                    |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Mild               |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 9

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700111

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland  
Tooth

Ultimobranchial Cyst  
Dysplasia

Multiple

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                      |   |  |  |
|----------------------|---|--|--|
| * Adrenal Cortex     | Subcapsular<br>Subcapsular                    | Adenoma<br>Hyperplasia<br>Hypertrophy                                    | Moderate<br>Minimal<br>Moderate        |
| * Bone Marrow        |   | Hyperplasia  | Minimal                                |
| * Heart              |   | Cardiomyopathy   | Mild                                   |
| * Islets, Pancreatic |   | Hyperplasia  | Minimal                                |
| * Kidney             |   | Mineralization<br>Nephropathy  | Minimal<br>Minimal                     |
| * Liver              |   | Eosinophilic Focus<br>Hepatocellular Adenoma<br>Hepatocellular Carcinoma | Multiple                               |
|                      | [ Eosinophilic Focus TGLs = 3-12 ]            |  |  |
|                      | [ Hepatocellular Adenoma TGLs = 2,4-11+13 ]   |  |  |
|                      | [ Hepatocellular Carcinoma TGLs = 1-10 ]      |  |  |
| * Lung               | Alveolus                                      | Hepatocellular Carcinoma<br>Infiltration Cellular                        | Metastatic (Liver)<br>Histiocyte, Mild |
|                      | [ Hepatocellular Carcinoma TGLs = 5,6-14+15 ] |  |  |
| * Nose               | Olfactory Epi                                 | Accumulation, Hyaline Droplet  | Minimal                                |
| * Preputial Gland    |   | Inflammation   | Minimal                                |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 660

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700112

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |            |                                  |          |
|------------------------|-----------------------------|------------|----------------------------------|----------|
| * Spleen               |                             |            | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach |                             | Epithelium | Hyperkeratosis                   | Moderate |
|                        |                             | Epithelium | Hyperplasia                      | Marked   |
|                        |                             |            | Inflammation                     | Moderate |
|                        |                             | Epithelium | Ulcer                            | Minimal  |
|                        | [ Hyperplasia TGLs = 7-16 ] |            |                                  |          |
| * Stomach, Glandular   |                             | Epithelium | Hyperplasia                      | Mild     |
| Tooth                  |                             |            | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                   | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder            | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Lung                   | * Pancreas               | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Skin                   | * Stomach, Forestomach    |
| * Testes                    | * Thymus                 | * Thyroid Gland          | * Trachea                 |
| * Urinary Bladder           |                          |                          |                           |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                            |             |                        |                   |
|----------------------------|-------------|------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular | Hyperplasia            | Minimal           |
| * Bone Marrow              |             | Hyperplasia            | Mild              |
| * Epididymis               |             | Infiltration Cellular  | Lymphoid, Minimal |
| * Intestine Small, Ileum   | Epithelium  | Hyperplasia            | Mild              |
|                            |             | Inflammation           | Mild              |
| * Intestine Small, Jejunum | Epithelium  | Hyperplasia            | Mild              |
|                            |             | Inflammation           | Mild              |
| * Islets, Pancreatic       |             | Hyperplasia            | Minimal           |
| * Kidney                   |             | Cyst                   | Mild              |
|                            |             | Mineralization         | Mild              |
|                            |             | Nephropathy            | Minimal           |
| * Liver                    |             | Eosinophilic Focus     |                   |
|                            |             | Hepatocellular Adenoma |                   |
|                            |             | Inflammation           | Minimal           |
|                            |             | Mixed Cell Focus       |                   |
|                            |             | Tension Lipidosis      |                   |

[ Eosinophilic Focus TGLs = 1,3-11+12+14 ]

[ Hepatocellular Adenoma TGLs = 2-13 ]

[ Mixed Cell Focus TGLs = 1-11+12 ]

|                          |  |             |                |
|--------------------------|--|-------------|----------------|
| * Lymph Node, Mandibular |  | Hyperplasia | Lymphoid, Mild |
|--------------------------|--|-------------|----------------|

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700113

ORGAN AND ACCOUNTABLE SITE STATUS

|   |                                  |                   |
|---|----------------------------------|-------------------|
| * Lymph Node, Mesenteric<br>[ Lymphoma Malignant TGLs = 5-5 ] | Lymphoma Malignant               |                   |
| * Nose<br>Respirat Epith                                      | Hyperplasia                      | Minimal           |
| * Preputial Gland   | Infiltration Cellular            | Lymphoid, Minimal |
|   | Inflammation                     | Mild              |
| * Seminal Vesicle<br>[ Dilatation TGLs = 4-7 ]                | Dilatation                       | Moderate          |
| * Spleen  | Hematopoietic Cell Proliferation | Mild              |
|   | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Glandular  | Inflammation                     | Minimal           |
| Tooth   | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                              |                |
|--------------------------|---|------------------------------|----------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                  | Minimal        |
| * Bone Marrow            |   | Hyperplasia                  | Mild           |
| * Harderian Gland        |   | Adenoma                      |                |
| * Heart                  |   | Cardiomyopathy               | Mild           |
| * Islets, Pancreatic     |   | Hyperplasia                  | Minimal        |
| * Kidney                 |   | Mineralization               | Minimal        |
|                          |   | Nephropathy                  | Minimal        |
| * Liver                  |   | Clear Cell Focus             |                |
|                          |   | Eosinophilic Focus           |                |
|                          |   | Hepatocellular Adenoma       | Multiple       |
|                          |   | Inflammation                 | Minimal        |
|                          |   | Vacuolization Cytoplasmic    | Minimal        |
|                          | [ Eosinophilic Focus TGLs = 4-13 ]                    |                              |                |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3,5-10+11+12+14 ] |                              |                |
| * Lung                   |   | Alveolar/Bronchiolar Adenoma |                |
| Lymph Node               | Inguinal  | Hyperplasia                  | Lymphoid, Mild |
| * Lymph Node, Mandibular |   | Hyperplasia                  | Lymphoid, Mild |
| * Nose                   | Respirat Epith  | Hyperplasia                  | Minimal        |
| * Preputial Gland        |   | Inflammation                 | Minimal        |
| * Prostate               |   | Hyperplasia                  | Mild           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 12

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700114

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

Hematopoietic Cell Proliferation

Moderate

\* Thymus

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 711

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700115

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|  |  |                                  |          |
|--|--|----------------------------------|----------|
| * Bone Marrow  |  | Hyperplasia                      | Moderate |
| * Gallbladder  |  | Inflammation                     | Moderate |
| * Heart  |  | Inflammation                     | Moderate |
|  |  | Thrombosis                       | Moderate |
| Note: Bacterial thrombi present in ventricles and multiple organs. |  |                                  |          |
| * Islets, Pancreatic   |  | Hyperplasia                      | Mild     |
| * Kidney   |  | Inflammation                     | Mild     |
|  |  | Mineralization                   | Minimal  |
|  |  | Nephropathy                      | Minimal  |
| * Liver  |  | Eosinophilic Focus               |          |
|  |  | Hepatocellular Adenoma           |          |
|  |  | Hepatocellular Carcinoma         |          |
|  |  | Mixed Cell Focus                 |          |
|  | [ Hepatocellular Adenoma TGLs = 2-11 ]   |                                  |          |
|  | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |          |
| * Lung   |  | Inflammation                     | Mild     |
| * Nose   | Olfactory Epi                            | Accumulation, Hyaline Droplet    | Minimal  |
|  | Respirat Epith                           | Hyperplasia                      | Minimal  |
| * Spleen   |  | Hematopoietic Cell Proliferation | Moderate |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 13

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 711

**DOSE:** 0 mg/kg

**DISP:** Natural Death

**HISTO:** 0700115

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

---

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                   | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                    | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung                   | * Pancreas                |
| * Pituitary Gland           | * Seminal Vesicle        | * Skin                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Testes                 | * Thyroid Gland          | * Trachea                 |
| * Urinary Bladder           |                          |                          |                           |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                            |  |                                  |                    |
|----------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular                                      | Hyperplasia                      | Minimal            |
| * Bone Marrow              |  | Hyperplasia                      | Mild               |
| * Heart                    |  | Cardiomyopathy                   | Minimal            |
| * Intestine Small, Jejunum |  | Inflammation                     | Mild               |
| * Islets, Pancreatic       |  | Hyperplasia                      | Mild               |
| * Kidney                   |  | Cyst                             | Minimal            |
|                            |  | Mineralization                   | Mild               |
|                            |  | Nephropathy                      | Mild               |
| * Liver                    |  | Clear Cell Focus                 |                    |
|                            |  | Eosinophilic Focus               |                    |
|                            |  | Hematopoietic Cell Proliferation | Minimal            |
|                            |  | Hepatocellular Adenoma           | Multiple           |
|                            |  | Hypertrophy                      | Mild               |
|                            |  | Inflammation                     | Minimal            |
|                            | [ Eosinophilic Focus TGLs = 5-13 ]               |                                  |                    |
|                            | [ Hepatocellular Adenoma TGLs = 2,3,4-10+11+12 ] |                                  |                    |
| * Lymph Node, Mandibular   |  | Hyperplasia                      | Lymphoid, Minimal  |
| * Lymph Node, Mesenteric   |  | Hyperplasia                      | Lymphoid, Moderate |
|                            | [ Hyperplasia TGLs = 6-5 ]                       |                                  |                    |
| * Nose                     | Olfactory Epi                                    | Degeneration                     | Minimal            |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700116

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                          |  |                                     |
|------------------------|--------------------------|--|-------------------------------------|
| * Preputial Gland      | Respirat Epith<br>Glands | Hyperplasia<br>Metaplasia<br>Ectasia<br>Inflammation | Mild<br>Minimal<br>Moderate<br>Mild |
| [ Ectasia TGLs = 1-8 ] |                          |  |                                     |
| * Prostate             |                          | Hyperplasia  | Minimal                             |
| * Salivary Glands      |                          | Infiltration Cellular                                | Lymphoid, Minimal                   |
| * Spleen               |                          | Hematopoietic Cell Proliferation                     | Mild                                |
|                        |                          | Hyperplasia  | Lymphoid, Mild                      |
| * Thymus               |                          | Hyperplasia  | Lymphoid, Mild                      |
| Tooth                  |                          | Dysplasia  |                                     |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Preputial Gland         |
| * Prostate                  | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

|                 |                     |                   |
|-----------------|---------------------|-------------------|
| * Mammary Gland | * Parathyroid Gland | * Pituitary Gland |
|-----------------|---------------------|-------------------|

OBSERVATIONS

|                      |                                 |                                  |                   |
|----------------------|---------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular                     | Hyperplasia                      | Minimal           |
| * Bone Marrow        |                                 | Hyperplasia                      | Moderate          |
| * Heart              |                                 | Cardiomyopathy                   | Minimal           |
| * Islets, Pancreatic |                                 | Hyperplasia                      | Minimal           |
| * Kidney             |                                 | Cyst                             | Minimal           |
|                      |                                 | Mineralization                   | Minimal           |
|                      |                                 | Nephropathy                      | Minimal           |
| * Liver              |                                 | Eosinophilic Focus               |                   |
|                      |                                 | Hemangiosarcoma                  |                   |
|                      |                                 | Hepatocellular Adenoma           | Multiple          |
|                      |                                 | Tension Lipidosis                |                   |
|                      | [ Hemangiosarcoma TGLs = 2-10 ] |                                  |                   |
| * Nose               | Olfactory Epi                   | Accumulation, Hyaline Droplet    | Minimal           |
|                      | Respirat Epith                  | Hyperplasia                      | Minimal           |
|                      |                                 | Inflammation                     | Mild              |
| * Seminal Vesicle    | Olfactory Epi                   | Metaplasia                       | Respiratory, Mild |
|                      | [ Dilatation TGLs = 1-7 ]       | Dilatation                       | Moderate          |
| * Spleen             |                                 | Hematopoietic Cell Proliferation | Moderate          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700117

ORGAN AND ACCOUNTABLE SITE STATUS

\* Stomach, Forestomach

Epithelium

Hyperplasia

Moderate

Inflammation

Mild

[ Hyperplasia TGLs = 3-11 ]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Tooth Dysplasia

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| Ear                       | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Salivary Glands          |
| * Seminal Vesicle         | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                           |               |
|----------------------|--|---------------------------|---------------|
| * Adrenal Cortex     | Subcapsular                            | Hyperplasia               | Minimal       |
| * Bone Marrow        |  | Hyperplasia               | Mild          |
| * Heart              |  | Cardiomyopathy            | Minimal       |
| * Islets, Pancreatic |  | Hyperplasia               | Minimal       |
| * Kidney             |  | Metaplasia                | Osseous, Mild |
|                      |  | Mineralization            | Minimal       |
|                      |  | Nephropathy               | Minimal       |
| * Liver              |  | Basophilic Focus          |               |
|                      |  | Clear Cell Focus          |               |
|                      |  | Eosinophilic Focus        |               |
|                      |  | Hepatocellular Adenoma    |               |
|                      |  | Vacuolization Cytoplasmic | Mild          |
|                      | [ Basophilic Focus TGLs = 1-10 ]       |                           |               |
|                      | [ Clear Cell Focus TGLs = 1-10 ]       |                           |               |
|                      | [ Eosinophilic Focus TGLs = 1-10 ]     |                           |               |
|                      | [ Hepatocellular Adenoma TGLs = 1-10 ] |                           |               |
| * Nose               | Respirat Epith                         | Hyperplasia               | Minimal       |
| * Prostate           |  | Hyperplasia               | Minimal       |
| * Skin               | Pinna                                  | Melanoma Malignant        |               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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**ANIMAL ID:** 16

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700118

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Melanoma Malignant TGLs = 2-11 ]

\* Spleen

Hematopoietic Cell Proliferation

Moderate

\* Thymus

Hyperplasia

Lymphoid, Minimal

\* Thyroid Gland

Ultimobranchial Cyst

Multiple

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Preputial Gland         | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                   |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular                                 | Hyperplasia                      | Minimal           |
|                      |   | Hypertrophy                      | Mild              |
| * Bone Marrow        |   | Hyperplasia                      | Minimal           |
| * Harderian Gland    |   | Carcinoma                        |                   |
| * Heart              |   | Cardiomyopathy                   | Minimal           |
| * Islets, Pancreatic |   | Hyperplasia                      | Mild              |
| * Kidney             |   | Mineralization                   | Minimal           |
|                      |   | Nephropathy                      | Mild              |
|                      |   | Pigmentation                     | Mild              |
| * Liver              |   | Clear Cell Focus                 |                   |
|                      |   | Hematopoietic Cell Proliferation | Minimal           |
|                      |   | Hepatoblastoma                   |                   |
|                      |   | Hepatocellular Adenoma           |                   |
|                      |   | Inflammation                     | Minimal           |
|                      | [ Clear Cell Focus TGLs = 4-13 ]            |                                  |                   |
|                      | [ Hepatoblastoma TGLs = 1-10 ]              |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 2,5-11+14 ] |                                  |                   |
| * Lung               |   | Alveolar/Bronchiolar Adenoma     |                   |
|                      | Alveolar Epith                              | Hyperplasia                      | Minimal           |
| Lymph Node           | Bronchial                                   | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 17

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700119

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                          |                |                                  |                      |
|--------------------------|----------------|----------------------------------|----------------------|
| * Lymph Node, Mandibular |                | Hyperplasia                      | Lymphoid, Minimal    |
| * Nose                   | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal              |
|                          | Respirat Epith | Hyperplasia                      | Minimal              |
|                          | Glands         | Metaplasia                       | Respiratory, Minimal |
| * Prostate               |                | Hyperplasia                      | Minimal              |
| * Spleen                 |                | Hematopoietic Cell Proliferation | Mild                 |
| * Thymus                 |                | Hyperplasia                      | Lymphoid, Minimal    |
| * Thyroid Gland          |                | Ultimobranchial Cyst             |                      |
| Tooth                    |                | Dysplasia                        |                      |

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700120

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                   | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                    | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung                   | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Nose                   | * Pancreas               | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands        | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Testes                 | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                          |                           |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                            |  |  |   |
|----------------------------|--|--|---|
| * Adrenal Cortex           | Subcapsular                              | Hyperplasia<br>Hypertrophy   | Minimal<br>Mild                             |
| * Bone Marrow              |  | Hyperplasia  | Minimal                                     |
| * Heart                    |  | Cardiomyopathy   | Minimal                                     |
| * Intestine Small, Jejunum |  | Hyperplasia  | Lymphoid, Minimal                           |
| * Islets, Pancreatic       |  | Hyperplasia  | Mild  |
| * Kidney                   |  | Mineralization<br>Nephropathy  | Minimal<br>Minimal                          |
| * Liver                    |  | Clear Cell Focus<br>Eosinophilic Focus<br>Fatty Change<br>Inflammation<br>Mixed Cell Focus<br>Tension Lipidosis<br>Vacuolization Cytoplasmic | <br><br>Focal<br>Minimal<br><br><br>Minimal |
|                            | [ Clear Cell Focus    TGLs = 1,2-10+11 ] |  |   |
|                            | [ Eosinophilic Focus    TGLs = 2-11 ]    |  |   |
|                            | [ Mixed Cell Focus    TGLs = 1-10 ]      |  |   |
| * Preputial Gland          |  | Inflammation   | Minimal                                     |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 18

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700120

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                      |                                  |         |
|----------------------|----------------------------------|---------|
| * Spleen             | Hematopoietic Cell Proliferation | Minimal |
| * Stomach, Glandular | Cyst                             | Minimal |
| * Thyroid Gland      | Ultimobranchial Cyst             |         |
| Tooth                | Dysplasia                        |         |

---

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                  |                |  |         |
|------------------|----------------|--|---------|
| * Adrenal Cortex | Subcapsular    | Hyperplasia                            | Minimal |
|                  |                | Hypertrophy                            | Minimal |
| * Heart          |                | Cardiomyopathy                         | Minimal |
| * Kidney         |                | Cyst                                   | Minimal |
|                  |                | Mineralization                         | Mild    |
|                  |                | Nephropathy                            | Minimal |
| * Liver          |                | Basophilic Focus                       |         |
|                  |                | Clear Cell Focus                       |         |
|                  |                | Eosinophilic Focus                     |         |
|                  |                | Hematopoietic Cell Proliferation       | Minimal |
|                  |                | Hepatocellular Adenoma                 |         |
|                  |                | Mixed Cell Focus                       |         |
|                  |                | [ Clear Cell Focus TGLs = 3,5-11+13 ]  |         |
|                  |                | [ Eosinophilic Focus TGLs = 3-11 ]     |         |
|                  |                | [ Hepatocellular Adenoma TGLs = 4-12 ] |         |
|                  |                | [ Mixed Cell Focus TGLs = 1,2-10+11 ]  |         |
| * Lung           |                | Alveolar/Bronchiolar Adenoma           |         |
| * Nose           | Respirat Epith | Hyperplasia                            | Minimal |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 19

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700121

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

Hematopoietic Cell Proliferation

Mild

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                          |                           |                             |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel             | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus              | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland      | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands        | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular     | * Testes                  | * Thymus                    |
| * Trachea                | * Urinary Bladder        |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |                                  |                                  |                      |
|----------------------------|----------------------------------|----------------------------------|----------------------|
| * Adrenal Cortex           | Subcapsular                      | Hyperplasia                      | Minimal              |
| * Bone Marrow              |                                  | Hyperplasia                      | Mild                 |
| * Harderian Gland          |                                  | Hyperplasia                      | Mild                 |
| * Heart                    |                                  | Cardiomyopathy                   | Mild                 |
| * Intestine Small, Jejunum |                                  | Hyperplasia                      | Lymphoid, Minimal    |
| * Kidney                   |                                  | Mineralization                   | Minimal              |
|                            |                                  | Nephropathy                      | Mild                 |
| * Liver                    |                                  | Hemangiosarcoma                  |                      |
| * Lung                     |                                  | Alveolar/Bronchiolar Adenoma     |                      |
|                            |                                  | Alveolar/Bronchiolar Carcinoma   | Metastatic (Lung)    |
|                            |                                  | Alveolar/Bronchiolar Carcinoma   |                      |
|                            | Alveolar Epith                   | Hyperplasia                      | Mild                 |
|                            | Alveolus                         | Infiltration Cellular            | Histiocyte, Moderate |
|                            | [ Alveolar/Bronchiolar Carcinoma |                                  |                      |
|                            | TGLs = 1-10 ]                    |                                  |                      |
| Lymph Node                 | Bronchial                        | Hyperplasia                      | Lymphoid, Moderate   |
| * Nose                     | Respirat Epith                   | Hyperplasia                      | Minimal              |
|                            |                                  | Inflammation                     | Minimal              |
| * Spleen                   |                                  | Hematopoietic Cell Proliferation | Mild                 |
| * Thyroid Gland            | C Cell                           | Hyperplasia                      | Minimal              |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700122

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| Blood Vessel              | * Bone                      | * Brain                  | * Epididymis             |
| * Esophagus               | * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lymph Node, Mesenteric |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Prostate               |
| * Seminal Vesicle         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular     |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                |
| * Urinary Bladder         |                             |                          |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |  |                        |                |
|----------------------------|--|------------------------|----------------|
| * Adrenal Cortex           | Subcapsular                                    | Hyperplasia            | Mild           |
|                            |  | Hypertrophy            | Mild           |
| * Adrenal Medulla          |  | Hyperplasia            | Minimal        |
| * Bone Marrow              |  | Hyperplasia            | Mild           |
| * Eye                      |  | Inflammation           | Minimal        |
| * Harderian Gland          |  | Carcinoma              |                |
|                            | [ Carcinoma TGLs = 7-9 ]                       |                        |                |
| * Heart                    |  | Cardiomyopathy         | Minimal        |
| * Intestine Small, Jejunum |  | Hyperplasia            | Lymphoid, Mild |
| * Islets, Pancreatic       |  | Hyperplasia            | Minimal        |
| * Kidney                   |  | Mineralization         | Minimal        |
|                            |  | Nephropathy            | Mild           |
| * Liver                    |  | Basophilic Focus       |                |
|                            |  | Clear Cell Focus       |                |
|                            |  | Eosinophilic Focus     |                |
|                            |  | Hepatoblastoma         |                |
|                            |  | Hepatocellular Adenoma |                |
|                            | [ Basophilic Focus TGLs = 3-12 ]               |                        |                |
|                            | [ Eosinophilic Focus TGLs = 2,4,5,9-11+13+14 ] |                        |                |
|                            | [ Hepatoblastoma TGLs = 1-10 ]                 |                        |                |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700123

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |  |                                  |                     |
|--------------------------|--|----------------------------------|---------------------|
|                          | [ Hepatocellular Adenoma TGLs = 2-11 ]         |                                  |                     |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma   |                     |
|                          | Alveolus                                       | Infiltration Cellular            | Histiocyte, Minimal |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 8-15 ] |                                  |                     |
|                          | Lymph Node                                     | Inguinal                         | Hyperplasia         |
| * Lymph Node, Mandibular |  |                                  | Lymphoid, Minimal   |
| * Nose                   | Olfactory Epi                                  | Hyperplasia                      | Lymphoid, Mild      |
|                          | Respirat Epith                                 | Accumulation, Hyaline Droplet    | Mild                |
|                          | Olfactory Epi                                  | Hyperplasia                      | Minimal             |
| * Preputial Gland        |  | Ectasia                          | Moderate            |
|                          |  | Inflammation                     | Moderate            |
|                          | [ Ectasia TGLs = 6-8 ]                         |                                  | Minimal             |
| * Salivary Glands        |  | Infiltration Cellular            | Lymphoid, Minimal   |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate            |
| Tooth                    |  | Dysplasia                        |                     |

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Islets, Pancreatic     | * Lung                   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Preputial Gland        |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thyroid Gland          |
| * Trachea                 | * Urinary Bladder           |                          |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |                                  |                                  |                    |
|----------------------------|----------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular                      | Hyperplasia                      | Minimal            |
| * Bone Marrow              |                                  | Hyperplasia                      | Mild               |
| * Intestine Small, Ileum   | Epithelium                       | Hyperplasia                      | Mild               |
|                            |                                  | Inflammation                     | Moderate           |
| * Intestine Small, Jejunum |                                  | Hyperplasia                      | Lymphoid, Mild     |
|                            |                                  | Inflammation                     | Mild               |
| * Kidney                   |                                  | Infarct                          | Minimal            |
|                            |                                  | Mineralization                   | Mild               |
|                            |                                  | Nephropathy                      | Minimal            |
| * Liver                    |                                  | Basophilic Focus                 |                    |
|                            |                                  | Clear Cell Focus                 |                    |
|                            |                                  | Inflammation                     | Minimal            |
|                            |                                  | Mixed Cell Focus                 |                    |
|                            | [ Basophilic Focus TGLs = 2-12 ] |                                  |                    |
|                            | [ Mixed Cell Focus TGLs = 1-11 ] |                                  |                    |
| * Lymph Node, Mandibular   |                                  | Hyperplasia                      | Lymphoid, Minimal  |
| * Lymph Node, Mesenteric   |                                  | Hyperplasia                      | Lymphoid, Moderate |
| * Nose                     | Respirat Epith                   | Hyperplasia                      | Minimal            |
| * Spleen                   |                                  | Hematopoietic Cell Proliferation | Mild               |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 22

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700124

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus  
Tooth

Hyperplasia  
Dysplasia

Lymphoid, Minimal

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Parathyroid Gland      | * Pituitary Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |                |  |                    |
|----------------------|----------------|--|--------------------|
| * Adrenal Cortex     | Subcapsular    | Hyperplasia  | Minimal            |
| * Bone Marrow        |                | Hyperplasia  | Mild               |
| * Islets, Pancreatic |                | Hyperplasia  | Minimal            |
| * Kidney             |                | Nephropathy  | Mild               |
|                      |                | Pigmentation                                       | Minimal            |
| * Liver              |                | Basophilic Focus                                   |                    |
|                      |                | Eosinophilic Focus                                 |                    |
|                      |                | Hepatocellular Adenoma                             | Multiple           |
|                      |                | Hepatocellular Carcinoma                           | Multiple           |
|                      |                | Inflammation                                       | Mild               |
|                      |                | [ Eosinophilic Focus TGLs = 7-15 ]                 |                    |
|                      |                | [ Hepatocellular Adenoma TGLs = 4,5-12+13 ]        |                    |
|                      |                | [ Hepatocellular Carcinoma TGLs = 1,2,6-10+11+14 ] |                    |
| * Lung               |                | Hepatocellular Carcinoma                           | Metastatic (Liver) |
| Lymph Node           | Inguinal       | Hyperplasia  | Lymphoid, Minimal  |
| Mesentery            | Fat            | Necrosis   | Moderate           |
|                      |                | [ Necrosis TGLs = 6-14 ]                           |                    |
| * Nose               | Olfactory Epi  | Accumulation, Hyaline Droplet                      | Minimal            |
|                      | Respirat Epith | Hyperplasia  | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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**ANIMAL ID:** 23

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700125

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                   |                                  |          |
|-------------------|----------------------------------|----------|
| * Pancreas        | Atrophy                          | Minimal  |
| * Preputial Gland | Inflammation                     | Minimal  |
| * Spleen          | Hematopoietic Cell Proliferation | Moderate |
| Tooth             | Dysplasia                        |          |

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Animal Note: TGLs 3-12 = NCL

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|   |                |                    |                    |
|---|----------------|--------------------|--------------------|
| * Adrenal Cortex                        | Subcapsular    | Hyperplasia        | Minimal            |
| * Bone Marrow                           |                | Hyperplasia        | Minimal            |
| * Harderian Gland                       |                | Adenoma            |                    |
| [ Adenoma TGLs = 4-9 ]                  |                |                    |                    |
| * Heart                                 |                | Cardiomyopathy     | Mild               |
|   |                | Hemangiosarcoma    | Metastatic (Liver) |
| * Islets, Pancreatic                    |                | Hyperplasia        | Minimal            |
| * Kidney                                |                | Mineralization     | Minimal            |
|   |                | Nephropathy        | Minimal            |
| * Liver                                 |                | Basophilic Focus   |                    |
|   |                | Eosinophilic Focus |                    |
|   |                | Hemangiosarcoma    |                    |
|   |                | Inflammation       | Mild               |
|   |                | Necrosis           | Minimal            |
| [ Eosinophilic Focus TGLs = 2,5-10+12 ] |                |                    |                    |
| [ Hemangiosarcoma TGLs = 3-11 ]         |                |                    |                    |
| * Lymph Node, Mandibular                |                | Hyperplasia        | Lymphoid, Minimal  |
| * Nose                                  | Respirat Epith | Hyperplasia        | Minimal            |
|   |                | Inflammation       | Mild               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700126

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |               |                                  |                       |
|------------------------|---------------|----------------------------------|-----------------------|
| * Preputial Gland      | Olfactory Epi | Metaplasia                       | Respiratory, Moderate |
|                        |               | Ectasia                          | Moderate              |
|                        |               | Inflammation                     | Mild                  |
| [ Ectasia TGLs = 1-8 ] |               |                                  |                       |
| * Prostate             |               | Hyperplasia                      | Minimal               |
| * Spleen               |               | Hematopoietic Cell Proliferation | Marked                |
| Tooth                  |               | Dysplasia                        |                       |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                          |  |                                  |                      |
|--------------------------|--|----------------------------------|----------------------|
| * Bone Marrow            |  | Hyperplasia                      | Mild                 |
| * Heart                  |  | Cardiomyopathy                   | Mild                 |
| * Kidney                 |  | Mineralization                   | Minimal              |
|                          |  | Nephropathy                      | Minimal              |
| * Liver                  |  | Hemangiosarcoma                  |                      |
|                          |  | Hepatocellular Adenoma           |                      |
|                          |  | Hepatocellular Carcinoma         | Multiple             |
|                          |  | Inflammation                     | Mild                 |
|                          | [ Hemangiosarcoma TGLs = 5,6,7-14+15+16 ]          |                                  |                      |
|                          | [ Hepatocellular Adenoma TGLs = 2-11 ]             |                                  |                      |
|                          | [ Hepatocellular Carcinoma TGLs = 3,4,5-12+13+14 ] |                                  |                      |
| * Lung                   |  | Hemangiosarcoma                  |                      |
|                          |  | Hepatocellular Carcinoma         | Metastatic (Liver)   |
|                          |  | Inflammation                     | Minimal              |
|                          | [ Hemangiosarcoma TGLs = 1-10 ]                    |                                  |                      |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal    |
| * Nose                   | Respirat Epith<br>Glands                           | Hyperplasia                      | Mild                 |
|                          |  | Metaplasia                       | Respiratory, Minimal |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Marked               |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 707

**DOSE:** 0 mg/kg

**DISP:** Natural Death

**HISTO:** 0700127

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

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**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |                         |                           |                  |
|----------------------------|-------------------------|---------------------------|------------------|
| * Adrenal Cortex           | Subcapsular             | Hyperplasia               | Minimal          |
|                            |                         | Hypertrophy               | Minimal          |
| * Bone Marrow              |                         | Hyperplasia               | Minimal          |
| * Heart                    |                         | Cardiomyopathy            | Minimal          |
| * Islets, Pancreatic       |                         | Hyperplasia               | Minimal          |
| * Kidney                   |                         | Metaplasia                | Osseous, Minimal |
|                            |                         | Mineralization            | Minimal          |
|                            |                         | Nephropathy               | Mild             |
| * Liver                    |                         | Eosinophilic Focus        |                  |
|                            |                         | Hepatocellular Adenoma    | Multiple         |
|                            |                         | Hepatocellular Carcinoma  |                  |
|                            |                         | Hypertrophy               | Minimal          |
|                            |                         | Inflammation              | Minimal          |
|                            |                         | Mixed Cell Focus          |                  |
|                            |                         | Tension Lipidosis         |                  |
|                            |                         | Vacuolization Cytoplasmic | Minimal          |
| [ Hepatocellular Adenoma   | TGLs = 2,3,5-11+12+13 ] |                           |                  |
| [ Hepatocellular Carcinoma | TGLs = 1-10 ]           |                           |                  |
| Mesentery                  | Fat                     | Necrosis                  | Marked           |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700128

ORGAN AND ACCOUNTABLE SITE STATUS

[ Necrosis TGLs = 4-13 ]

|                   |                                 |  |                   |
|-------------------|---------------------------------|--|-------------------|
| * Nose            | Olfactory Epi<br>Respirat Epith | Accumulation, Hyaline Droplet<br>Hyperplasia | Mild<br>Minimal   |
| * Preputial Gland |                                 | Inflammation                                 | Mild              |
| * Salivary Glands |                                 | Infiltration Cellular                        | Lymphoid, Minimal |
| * Spleen          |                                 | Hematopoietic Cell Proliferation             | Moderate          |
| Tooth             |                                 | Dysplasia                                    |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | Blood Vessel              | * Bone                      |
| * Brain                  | * Epididymis               | * Esophagus               | * Eye                       |
| * Gallbladder            | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Stomach, Forestomach    | * Testes                    |
| * Thymus                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                                |                     |
|--------------------------|--|--------------------------------|---------------------|
| * Bone Marrow            |  | Hyperplasia                    | Mild                |
| * Harderian Gland        |  | Pigmentation                   | Mild                |
| * Heart                  |  | Cardiomyopathy                 | Minimal             |
| * Intestine Large, Cecum |  | Hyperplasia                    | Lymphoid, Mild      |
| * Islets, Pancreatic     |  | Hyperplasia                    | Minimal             |
| * Kidney                 |  | Nephropathy                    | Mild                |
| * Liver                  |  | Hemangiosarcoma                |                     |
|                          |  | Hepatocellular Carcinoma       | Multiple            |
|                          |  | Inflammation                   | Minimal             |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ]           |                                |                     |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma |                     |
|                          |  | Hepatocellular Carcinoma       | Metastatic (Liver)  |
|                          | Alveolus   | Infiltration Cellular          | Histiocyte, Minimal |
|                          | [ Hepatocellular Carcinoma TGLs = 7,8,9-15+16+17 ] |                                |                     |
| * Nose                   |  | Olfactory Epi                  | Minimal             |
|                          |  | Respirat Epith                 | Minimal             |
| * Preputial Gland        |  | Ectasia                        | Moderate            |
|                          |  | Inflammation                   | Mild                |
|                          | [ Ectasia TGLs = 3-8 ]                             |                                |                     |
| * Skin                   |  | Dermis                         | Fibrosis            |
|                          |  |                                | Marked              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700129

ORGAN AND ACCOUNTABLE SITE STATUS

|                      |                                 |                                  |          |
|----------------------|---------------------------------|----------------------------------|----------|
|                      | Epidermis                       | Hyperplasia                      | Marked   |
|                      | Dermis                          | Inflammation                     | Moderate |
|                      | Epidermis                       | Ulcer                            | Marked   |
|                      | [ Ulcer TGLs = 2,4,5-11+12+13 ] |                                  |          |
| * Spleen             |                                 | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Glandular | Epithelium                      | Hyperplasia                      | Mild     |
|                      | [ Hyperplasia TGLs = 6-14 ]     |                                  |          |
| * Thyroid Gland      | Follicle                        | Hyperplasia                      | Minimal  |
|                      | Follicular Cel                  | Hypertrophy                      | Minimal  |
| Tooth                |                                 | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Trachea                 | * Urinary Bladder           |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                          |                                    |                                  |                   |
|--------------------------|------------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                        | Hyperplasia                      | Minimal           |
| * Bone Marrow            |                                    | Hyperplasia                      | Minimal           |
| * Epididymis             |                                    | Hemorrhage                       | Mild              |
|                          | [ Hemorrhage TGLs = 1-7 ]          |                                  |                   |
| * Heart                  |                                    | Cardiomyopathy                   | Minimal           |
| * Islets, Pancreatic     |                                    | Hyperplasia                      | Minimal           |
| * Kidney                 |                                    | Mineralization                   | Minimal           |
|                          |                                    | Nephropathy                      | Minimal           |
| * Liver                  |                                    | Clear Cell Focus                 |                   |
|                          |                                    | Eosinophilic Focus               |                   |
|                          |                                    | Inflammation                     | Minimal           |
|                          |                                    | Mixed Cell Focus                 |                   |
|                          |                                    | Vacuolization Cytoplasmic        | Minimal           |
|                          | [ Clear Cell Focus TGLs = 4-12 ]   |                                  |                   |
|                          | [ Eosinophilic Focus TGLs = 3-11 ] |                                  |                   |
|                          | [ Mixed Cell Focus TGLs = 2-10 ]   |                                  |                   |
| * Lymph Node, Mandibular |                                    | Hyperplasia                      | Lymphoid, Minimal |
| * Preputial Gland        |                                    | Inflammation                     | Mild              |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Minimal           |
| * Thymus                 |                                    | Hyperplasia                      | Lymphoid, Mild    |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700130

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland  
Tooth

Follicle

Cyst  
Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

**ANIMAL ID:** 29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 678

**DOSE:** 0 mg/kg

**DISP:** Natural Death

**HISTO:** 0700131

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                      |   |                                  |                      |
|----------------------|---|----------------------------------|----------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal              |
| * Bone Marrow        |   | Hyperplasia                      | Mild                 |
| * Heart              |   | Cardiomyopathy                   | Minimal              |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal              |
| * Kidney             |   | Nephropathy                      | Mild                 |
| * Liver              |   | Basophilic Focus                 |                      |
|                      |   | Eosinophilic Focus               |                      |
|                      |   | Hepatocellular Adenoma           | Multiple             |
|                      |   | Hepatocellular Carcinoma         | Multiple             |
|                      |   | Hepatodiaphragmatic Nodule       |                      |
|                      |   | Mixed Cell Focus                 |                      |
|                      | [ Hepatocellular Adenoma TGLs = 2,4-11+12 ]   |                                  |                      |
|                      | [ Hepatocellular Carcinoma TGLs = 1,3-10+12 ] |                                  |                      |
|                      | [ Hepatodiaphragmatic Nodule TGLs = 5-13 ]    |                                  |                      |
| * Lung               |   | Hepatocellular Carcinoma         | Metastatic (Liver)   |
| * Nose               | Respirat Epith<br>Glands                      | Hyperplasia                      | Minimal              |
|                      |   | Metaplasia                       | Respiratory, Minimal |
| * Preputial Gland    |   | Inflammation                     | Minimal              |
| * Spleen             |   | Hematopoietic Cell Proliferation | Moderate             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700131

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |            |                |          |
|-----------------------------|------------|----------------|----------|
| * Stomach, Forestomach      | Epithelium | Hyperkeratosis | Moderate |
|                             | Epithelium | Hyperplasia    | Marked   |
|                             |            | Inflammation   | Moderate |
|                             | Epithelium | Ulcer          | Moderate |
| [ Hyperplasia TGLs = 6-14 ] |            |                |          |
| Tooth                       |            | Dysplasia      |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| Tooth                    | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |                |   |                |
|--------------------------|----------------|---|----------------|
| * Adrenal Cortex         | Subcapsular    | Hyperplasia                                 | Minimal        |
| * Bone Marrow            |                | Hyperplasia                                 | Mild           |
| * Gallbladder            |                | Inflammation                                | Mild           |
| * Heart                  |                | Cardiomyopathy                              | Minimal        |
| * Kidney                 |                | Nephropathy                                 | Mild           |
| * Liver                  |                | Clear Cell Focus                            |                |
|                          |                | Hemangiosarcoma                             |                |
|                          |                | Hepatocellular Adenoma                      | Multiple       |
|                          |                | Hepatocellular Carcinoma                    |                |
|                          |                | Inflammation                                | Minimal        |
|                          |                | [ Hemangiosarcoma TGLs = 4-13 ]             |                |
|                          |                | [ Hepatocellular Adenoma TGLs = 2,3-11+12 ] |                |
|                          |                | [ Hepatocellular Carcinoma TGLs = 1-10 ]    |                |
| * Lung                   |                | Alveolar/Bronchiolar Adenoma                |                |
| * Lymph Node, Mesenteric |                | Hyperplasia                                 | Lymphoid, Mild |
| * Nose                   | Respirat Epith | Hyperplasia                                 | Minimal        |
| * Spleen                 |                | Hematopoietic Cell Proliferation            | Moderate       |
| * Testes                 | Interstit Cell | Adenoma                                     |                |
|                          |                | [ Adenoma TGLs = 5-7 ]                      |                |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700133

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland        |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                   |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Trachea                |
| * Urinary Bladder         |                             |                          |                          |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                            |  |                                |                    |
|----------------------------|--|--------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular                                    | Hyperplasia                    | Minimal            |
| * Bone Marrow              |  | Hyperplasia                    | Moderate           |
| * Intestine Small, Jejunum |  | Hyperplasia                    | Lymphoid, Mild     |
| * Islets, Pancreatic       |  | Hyperplasia                    | Minimal            |
| * Kidney                   |  | Nephropathy                    | Moderate           |
| * Liver                    |  | Eosinophilic Focus             |                    |
|                            |  | Hepatocellular Adenoma         |                    |
|                            |  | Hepatocellular Carcinoma       |                    |
|                            |  | Inflammation                   | Minimal            |
|                            | [ Hepatocellular Adenoma TGLs = 2-11 ]         |                                |                    |
|                            | [ Hepatocellular Carcinoma TGLs = 1-10 ]       |                                |                    |
| * Lung                     |  | Alveolar/Bronchiolar Carcinoma |                    |
|                            |  | Hepatocellular Carcinoma       | Metastatic (Liver) |
|                            |  | Infiltration Cellular          | Histiocyte, Mild   |
|                            | Alveolus                                       |                                |                    |
|                            | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-12 ] |                                |                    |
| Lymph Node                 | Bronchial                                      | Hyperplasia                    | Lymphoid, Minimal  |
|                            | Inguinal                                       | Hyperplasia                    | Lymphoid, Minimal  |
| * Nose                     | Olfactory Epi                                  | Accumulation, Hyaline Droplet  | Mild               |
|                            | Respirat Epith                                 | Hyperplasia                    | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700133

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                       |                                  |          |
|------------------------|-----------------------|----------------------------------|----------|
| * Preputial Gland      |                       | Inflammation                     | Minimal  |
| * Spleen               |                       | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium            | Hyperkeratosis                   | Moderate |
|                        | Epithelium            | Hyperplasia                      | Moderate |
|                        |                       | Inflammation                     | Moderate |
|                        | Epithelium            | Ulcer                            | Moderate |
|                        | [ Ulcer TGLs = 4-13 ] |                                  |          |
| * Thyroid Gland        | Follicle              | Ultimobranchial Cyst             |          |
| Tooth                  |                       | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                   | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                    | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric  |
| * Nose                      | * Pancreas               | * Parathyroid Gland      | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands        | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thyroid Gland          | * Trachea                 |
| * Urinary Bladder           |                          |                          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |  |                                  |                |
|----------------------------|--|----------------------------------|----------------|
| * Adrenal Cortex           | Subcapsular                                    | Hyperplasia                      | Minimal        |
| * Bone Marrow              |  | Hyperplasia                      | Mild           |
| * Heart                    |  | Cardiomyopathy                   | Mild           |
| * Intestine Small, Jejunum |  | Hyperplasia                      | Lymphoid, Mild |
| * Islets, Pancreatic       |  | Hyperplasia                      | Mild           |
| * Kidney                   |  | Mineralization                   | Mild           |
|                            |  | Nephropathy                      | Minimal        |
| * Liver                    |  | Clear Cell Focus                 |                |
|                            |  | Eosinophilic Focus               |                |
|                            |  | Hepatocellular Adenoma           |                |
|                            |  | Inflammation                     | Minimal        |
|                            |  | Vacuolization Cytoplasmic        | Mild           |
|                            | [ Clear Cell Focus TGLs = 3-5+13 ]             |                                  |                |
|                            | [ Eosinophilic Focus TGLs = 2-12 ]             |                                  |                |
|                            | [ Hepatocellular Adenoma TGLs = 1-11 ]         |                                  |                |
| * Lung                     |  | Alveolar/Bronchiolar Carcinoma   |                |
|                            | [ Alveolar/Bronchiolar Carcinoma TGLs = 4-14 ] |                                  |                |
| * Seminal Vesicle          |  | Hyperplasia                      | Minimal        |
| * Spleen                   |  | Hematopoietic Cell Proliferation | Mild           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700134

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |            |                |                   |
|------------------------|------------|----------------|-------------------|
| * Stomach, Forestomach | Epithelium | Hyperplasia    | Lymphoid, Minimal |
|                        | Epithelium | Hyperkeratosis | Minimal           |
| * Thymus               |            | Hyperplasia    | Mild              |
| Tooth                  |            | Hyperplasia    | Lymphoid, Mild    |
|                        |            | Dysplasia      |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 442

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | Tooth                       | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                     |
|----------------------|---|----------------------------------|---------------------|
| * Bone Marrow        |   | Hyperplasia                      | Mild                |
| * Heart              |   | Cardiomyopathy                   | Minimal             |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal             |
| * Kidney             |   | Cyst                             | Minimal             |
|                      |   | Nephropathy                      | Minimal             |
| * Liver              |   | Angiectasis                      | Marked              |
|                      |   | Hepatocellular Carcinoma         |                     |
|                      |   | Necrosis                         | Moderate            |
|                      | [ Angiectasis TGLs = 3,4-11+12 ]                  |                                  |                     |
|                      | [ Hepatocellular Carcinoma TGLs = 1-10 ]          |                                  |                     |
|                      | [ Necrosis TGLs = 3,4-11+12 ]                     |                                  |                     |
| * Lung               |   | Hepatocellular Carcinoma         | Metastatic (Liver)  |
|                      | Alveolus  | Infiltration Cellular            | Histiocyte, Minimal |
|                      |   | Mineralization                   | Minimal             |
|                      | [ Hepatocellular Carcinoma TGLs = 5,6,7,8-11+13 ] |                                  |                     |
| * Nose               | Olfactory Epi                                     | Accumulation, Hyaline Droplet    | Minimal             |
|                      | Respirat Epith                                    | Hyperplasia                      | Minimal             |
| * Preputial Gland    |   | Inflammation                     | Minimal             |
| * Spleen             |   | Hematopoietic Cell Proliferation | Marked              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 33

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 442

**DOSE:** 0 mg/kg

**DISP:** Natural Death

**HISTO:** 0700135

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Stomach, Forestomach

Epithelium

Hyperkeratosis

Minimal

Epithelium

Hyperplasia

Mild

Inflammation

Minimal

[ Hyperplasia TGLs = 9-14 ]

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 720

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                        |   |                                  |          |
|------------------------|---|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular                                 | Hyperplasia                      | Minimal  |
| * Bone Marrow          |   | Hyperplasia                      | Mild     |
| * Heart                |   | Cardiomyopathy                   | Minimal  |
|                        |   | Mineralization                   | Minimal  |
| * Islets, Pancreatic   |   | Hyperplasia                      | Mild     |
| * Kidney               |   | Mineralization                   | Minimal  |
|                        |   | Nephropathy                      | Moderate |
| * Liver                |   | Hepatocellular Adenoma           | Multiple |
|                        |   | Necrosis                         | Mild     |
|                        | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |                                  |          |
| * Nose                 | Respirat Epith                              | Hyperplasia                      | Minimal  |
| * Preputial Gland      |   | Inflammation                     | Moderate |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                                  | Hyperplasia                      | Minimal  |
| * Thyroid Gland        | Follicle                                    | Ultimobranchial Cyst             |          |
| Tooth                  |   | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Preputial Gland        | * Prostate                 | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |             |                                  |                    |
|----------------------|-------------|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia                      | Minimal            |
| * Bone Marrow        |             | Hyperplasia                      | Mild               |
| * Heart              |             | Cardiomyopathy                   | Minimal            |
| * Islets, Pancreatic |             | Hyperplasia                      | Mild               |
| * Kidney             |             | Cyst                             | Mild               |
|                      |             | Mineralization                   | Minimal            |
|                      |             | Nephropathy                      | Mild               |
|                      |             | Clear Cell Focus                 |                    |
|                      |             | Eosinophilic Focus               |                    |
|                      |             | Ito Cell Tumor Benign            | Multiple           |
|                      |             | Mixed Cell Focus                 |                    |
|                      |             | Vacuolization Cytoplasmic        | Mild               |
|                      |             | Hyperplasia                      | Lymphoid, Mild     |
|                      |             | Infiltration Cellular            | Lymphoid, Minimal  |
|                      |             | Hematopoietic Cell Proliferation | Moderate           |
|                      |             | Hyperplasia                      | Lymphoid, Moderate |

[ Cyst TGLs = 4-12 ]

\* Liver

[ Clear Cell Focus TGLs = 2-11 ]

[ Ito Cell Tumor Benign TGLs = 1,2-10+11 ]

\* Lymph Node, Mesenteric  
 \* Salivary Glands  
 \* Spleen

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 35

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700137

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 3-4 ]

Tooth

Dysplasia

\* Urinary Bladder

Inflammation

Mild

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                    |
|----------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow        |   | Hyperplasia                      | Mild               |
| * Heart              |   | Cardiomyopathy                   | Mild               |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal            |
| * Kidney             |   | Mineralization                   | Minimal            |
|                      |   | Nephropathy                      | Mild               |
| * Liver              |   | Basophilic Focus                 |                    |
|                      |   | Hemangiosarcoma                  |                    |
|                      |   | Hepatocellular Adenoma           | Multiple           |
|                      |   | Hepatocellular Carcinoma         | Multiple           |
|                      | [ Hemangiosarcoma TGLs = 4-13 ]               |                                  |                    |
|                      | [ Hepatocellular Adenoma TGLs = 2,6-11+14 ]   |                                  |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 1,3-10+12 ] |                                  |                    |
| * Lung               |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose               | Olfactory Epi                                 | Accumulation, Hyaline Droplet    | Mild               |
|                      | Respirat Epith                                | Hyperplasia                      | Minimal            |
|                      | Olfactory Epi                                 | Metaplasia                       | Mild               |
| * Preputial Gland    |   | Inflammation                     | Mild               |
| * Spleen             |   | Hematopoietic Cell Proliferation | Moderate           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700138

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |            |                      |          |
|-----------------------------|------------|----------------------|----------|
| * Stomach, Forestomach      | Epithelium | Hyperkeratosis       | Moderate |
|                             | Epithelium | Hyperplasia          | Marked   |
|                             |            | Inflammation         | Minimal  |
| [ Hyperplasia TGLs = 7-15 ] |            |                      |          |
| * Thyroid Gland             |            | Ultimobranchial Cyst | Multiple |
| Tooth                       |            | Dysplasia            |          |

Animal Note: TGLs 5-13 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Epididymis             |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Nose                      | * Pancreas               |
| * Pituitary Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                          |  |                                |                |
|--------------------------|--|--------------------------------|----------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                    | Minimal        |
|                          |  | Hyperplasia                    | Marked         |
| * Bone Marrow            |  | Hyperplasia                    | Mild           |
| * Brain                  |  | Infiltration Cellular          | Lymphoid, Mild |
| * Harderian Gland        |  | Carcinoma                      |                |
|                          | [ Carcinoma TGLs = 1-9 ]                           |                                |                |
| * Heart                  |  | Cardiomyopathy                 | Minimal        |
| * Islets, Pancreatic     |  | Hyperplasia                    | Minimal        |
| * Kidney                 |  | Infiltration Cellular          | Lymphoid, Mild |
|                          |  | Mineralization                 | Minimal        |
|                          |  | Nephropathy                    | Mild           |
| * Liver                  |  | Eosinophilic Focus             |                |
|                          |  | Hepatocellular Carcinoma       | Multiple       |
|                          |  | Inflammation                   | Minimal        |
|                          | [ Eosinophilic Focus TGLs = 5-13 ]                 |                                |                |
|                          | [ Hepatocellular Carcinoma TGLs = 2,3,4-10+11+12 ] |                                |                |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma |                |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-14 ]     |                                |                |
| * Lymph Node, Mandibular |  | Hyperplasia                    | Lymphoid, Mild |
| * Preputial Gland        |  | Inflammation                   | Minimal        |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700139

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                |
|------------------------|-----------------------------|----------------------------------|----------------|
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate       |
|                        |                             | Hyperplasia                      | Lymphoid, Mild |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Mild           |
|                        | Epithelium                  | Hyperplasia                      | Moderate       |
|                        |                             | Inflammation                     | Mild           |
|                        | Epithelium                  | Ulcer                            | Mild           |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |                |
| Tooth                  |                             | Dysplasia                        |                |



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700140

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ORGAN AND ACCOUNTABLE SITE STATUS

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|                                       |                |                                  |         |
|---------------------------------------|----------------|----------------------------------|---------|
| Mesentery<br>[ Necrosis TGLs = 5-13 ] | Fat            | Necrosis                         | Marked  |
| * Nose                                | Respirat Epith | Hyperplasia                      | Minimal |
| * Spleen                              |                | Hematopoietic Cell Proliferation | Minimal |
| Tooth                                 |                | Dysplasia                        |         |

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                           |                             |                          |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                  | * Epididymis              | * Esophagus                 | * Gallbladder            |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Lung                   | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   |
| * Pancreas               | * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        |
| * Prostate               | * Salivary Glands         | * Seminal Vesicle           | * Skin                   |
| * Stomach, Forestomach   | * Stomach, Glandular      | * Testes                    | * Trachea                |
| * Urinary Bladder        |                           |                             |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |                                      |                           |                    |
|----------------------------|--------------------------------------|---------------------------|--------------------|
| * Bone Marrow              |                                      | Hyperplasia               | Mild               |
| * Eye                      | Cornea                               | Hyperplasia               | Squamous, Moderate |
|                            | Cornea                               | Inflammation              | Moderate           |
|                            | [ Hyperplasia TGLs = 3-9 ]           |                           |                    |
| * Harderian Gland          |                                      | Adenoma                   |                    |
|                            | [ Adenoma TGLs = 2-9 ]               |                           |                    |
| * Heart                    |                                      | Cardiomyopathy            | Minimal            |
| * Intestine Large, Cecum   |                                      | Hyperplasia               | Lymphoid, Mild     |
| * Intestine Small, Jejunum |                                      | Mineralization            | Minimal            |
| * Islets, Pancreatic       |                                      | Hyperplasia               | Mild               |
| * Kidney                   |                                      | Metaplasia                | Osseous, Minimal   |
|                            |                                      | Mineralization            | Minimal            |
|                            |                                      | Nephropathy               | Minimal            |
| * Liver                    |                                      | Clear Cell Focus          |                    |
|                            |                                      | Eosinophilic Focus        |                    |
|                            |                                      | Inflammation              | Minimal            |
|                            |                                      | Vacuolization Cytoplasmic | Minimal            |
|                            | [ Clear Cell Focus TGLs = 1-5+10 ]   |                           |                    |
|                            | [ Eosinophilic Focus TGLs = 1-5+10 ] |                           |                    |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700141

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

|                 |          |                                  |                   |
|-----------------|----------|----------------------------------|-------------------|
| * Spleen        |          | Hematopoietic Cell Proliferation | Mild              |
| * Thymus        |          | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland | Follicle | Cyst                             |                   |
| Tooth           |          | Dysplasia                        |                   |

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                        |   |                                  |                |
|------------------------|---|----------------------------------|----------------|
| * Bone Marrow          |   | Hyperplasia                      | Moderate       |
| * Heart                |   | Cardiomyopathy                   | Minimal        |
| * Islets, Pancreatic   |   | Hyperplasia                      | Mild           |
| * Kidney               |   | Infiltration Cellular            | Lymphoid, Mild |
|                        |   | Mineralization                   | Minimal        |
|                        |   | Nephropathy                      | Minimal        |
| * Liver                |   | Basophilic Focus                 |                |
|                        |   | Eosinophilic Focus               |                |
|                        |   | Hepatocellular Carcinoma         | Multiple       |
|                        |   | Inflammation                     | Minimal        |
|                        | [ Eosinophilic Focus TGLs = 2,3,4-11+12 ] |                                  |                |
|                        | [ Hepatocellular Carcinoma TGLs = 1-10 ]  |                                  |                |
| Lymph Node             | Inguinal                                  | Hyperplasia                      | Lymphoid, Mild |
| * Nose                 | Olfactory Epi                             | Accumulation, Hyaline Droplet    | Moderate       |
|                        | Respirat Epith                            | Hyperplasia                      | Minimal        |
| * Preputial Gland      |   | Inflammation                     | Minimal        |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked         |
| * Stomach, Forestomach | Epithelium                                | Hyperkeratosis                   | Moderate       |
|                        | Epithelium                                | Hyperplasia                      | Moderate       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

---

**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700142

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

|                  |               |            |              |          |
|------------------|---------------|------------|--------------|----------|
| [ Hyperkeratosis | TGLs = 5-12 ] | Epithelium | Inflammation | Moderate |
|                  |               |            | Ulcer        | Mild     |

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 602

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Pituitary Gland         | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular                            | Hyperplasia                      | Minimal  |
| * Bone Marrow          |  | Hyperplasia                      | Minimal  |
| * Islets, Pancreatic   |  | Adenoma                          |          |
| * Kidney               |  | Mineralization                   | Minimal  |
|                        |  | Nephropathy                      | Minimal  |
| * Liver                |  | Eosinophilic Focus               |          |
|                        |  | Fatty Change                     | Focal    |
|                        |  | Hepatocellular Adenoma           |          |
|                        |  | Vacuolization Cytoplasmic        | Mild     |
|                        | [ Eosinophilic Focus TGLs = 3-12 ]     |                                  |          |
|                        | [ Fatty Change TGLs = 2-11 ]           |                                  |          |
|                        | [ Hepatocellular Adenoma TGLs = 1-10 ] |                                  |          |
| * Nose                 | Respirat Epith                         | Hyperplasia                      | Minimal  |
| * Preputial Gland      |  | Inflammation                     | Minimal  |
| * Prostate             |  | Inflammation                     | Mild     |
| * Spleen               |  | Hematopoietic Cell Proliferation | Minimal  |
| * Stomach, Forestomach | Epithelium                             | Hyperplasia                      | Minimal  |
|                        |  | Inflammation                     | Mild     |
|                        | Epithelium                             | Ulcer                            | Moderate |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 41

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 602

**DOSE:** 0 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700143

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Ulcer TGLs = 4-12 ]

Tooth

Dysplasia

---

**PRIMARY CAUSE OF DEATH**

- Stomach, Forestomach Epithelium Ulcer

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Pancreas                | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                  |   |                                  |          |
|------------------|---|----------------------------------|----------|
| * Adrenal Cortex | Subcapsular                                 | Hyperplasia                      | Mild     |
| * Bone Marrow    |   | Hyperplasia                      | Minimal  |
| * Kidney         |   | Mineralization                   | Mild     |
|                  |   | Nephropathy                      | Minimal  |
| * Liver          |   | Clear Cell Focus                 |          |
|                  |   | Eosinophilic Focus               |          |
|                  |   | Hemangiosarcoma                  |          |
|                  |   | Hepatocellular Adenoma           | Multiple |
|                  |   | Vacuolization Cytoplasmic        | Mild     |
|                  | [ Hemangiosarcoma TGLs = 3-12 ]             |                                  |          |
|                  | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |                                  |          |
| * Nose           | Olfactory Epi                               | Hyperplasia                      | Moderate |
| * Spleen         |   | Hematopoietic Cell Proliferation | Mild     |
| Tooth            |   | Dysplasia                        |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700145

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                      |   |                               |          |
|----------------------|---|-------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                             | Hyperplasia                   | Minimal  |
|                      |   | Hypertrophy                   | Mild     |
| * Bone Marrow        |   | Hyperplasia                   | Mild     |
| * Islets, Pancreatic |   | Hyperplasia                   | Moderate |
| * Kidney             |   | Mineralization                | Minimal  |
|                      |   | Nephropathy                   | Minimal  |
| * Liver              |   | Angiectasis                   | Minimal  |
|                      |   | Basophilic Focus              |          |
|                      |   | Clear Cell Focus              |          |
|                      |   | Eosinophilic Focus            |          |
|                      |   | Hepatocellular Adenoma        |          |
|                      |   | Necrosis                      | Minimal  |
|                      |   | Vacuolization Cytoplasmic     | Minimal  |
|                      | [ Clear Cell Focus TGLs = 3-12 ]        |                               |          |
|                      | [ Eosinophilic Focus TGLs = 2,3-11+12 ] |                               |          |
|                      | [ Hepatocellular Adenoma TGLs = 1-10 ]  |                               |          |
| * Nose               | Olfactory Epi                           | Accumulation, Hyaline Droplet | Minimal  |
|                      | Respirat Epith                          | Hyperplasia                   | Minimal  |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 43

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700145

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen

Hematopoietic Cell Proliferation

Moderate

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

---



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

**ANIMAL ID:** 44

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700146

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Trachea                | * Urinary Bladder          |                           |

**MISSING**

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

**INSUFFICIENT TISSUE**

\* Thyroid Gland

**OBSERVATIONS**

|                      |             |                           |          |
|----------------------|-------------|---------------------------|----------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia               | Minimal  |
|                      |             | Hypertrophy               | Minimal  |
| * Bone Marrow        |             | Hyperplasia               | Mild     |
| * Heart              |             | Cardiomyopathy            | Minimal  |
| * Islets, Pancreatic |             | Hyperplasia               | Moderate |
| * Kidney             |             | Mineralization            | Minimal  |
|                      |             | Nephropathy               | Minimal  |
| * Liver              |             | Basophilic Focus          |          |
|                      |             | Clear Cell Focus          |          |
|                      |             | Eosinophilic Focus        |          |
|                      |             | Hepatocellular Adenoma    |          |
|                      |             | Hepatocellular Carcinoma  |          |
|                      |             | Mixed Cell Focus          |          |
|                      |             | Necrosis                  | Minimal  |
|                      |             | Vacuolization Cytoplasmic | Minimal  |

[ Clear Cell Focus TGLs = 4-13 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700146

ORGAN AND ACCOUNTABLE SITE STATUS

[ Eosinophilic Focus TGLs = 4,5-13+14 ]

[ Hepatocellular Adenoma TGLs = 2-11 ]

[ Hepatocellular Carcinoma TGLs = 1-10 ]

\* Nose Respirat Epith

Hyperplasia

Mild

Inflammation

Minimal

\* Spleen

Hematopoietic Cell Proliferation

Mild

Tooth

Dysplasia

Animal Note: TGLs 3-12 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 485

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                          |                           |                             |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel             | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus              | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Lung                   | * Pancreas                | * Pituitary Gland           |
| * Prostate               | * Salivary Glands        | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular     | * Testes                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder        |                           |                             |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                            |   |                                  |                   |
|----------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular                                     | Hyperplasia                      | Minimal           |
| * Bone Marrow              |   | Hyperplasia                      | Moderate          |
| * Harderian Gland          |   | Hyperplasia                      | Mild              |
| * Heart                    |   | Cardiomyopathy                   | Minimal           |
| * Intestine Small, Jejunum |   | Carcinoma                        |                   |
|                            | [ Carcinoma TGLs = 6-13 ]                       |                                  |                   |
| * Islets, Pancreatic       |   | Hyperplasia                      | Mild              |
| * Kidney                   |   | Mineralization                   | Minimal           |
|                            |   | Nephropathy                      | Minimal           |
| * Liver                    |   | Basophilic Focus                 |                   |
|                            |   | Fatty Change                     | Focal             |
|                            |   | Hematopoietic Cell Proliferation | Minimal           |
|                            |   | Hepatocellular Adenoma           | Multiple          |
|                            |   | Mixed Cell Focus                 |                   |
|                            |   | Vacuolization Cytoplasmic        | Mild              |
|                            | [ Hepatocellular Adenoma TGLs = 3,5-11+12 ]     |                                  |                   |
|                            | [ Vacuolization Cytoplasmic TGLs = 4-3+4+5+12 ] |                                  |                   |
| * Lymph Node, Mandibular   |   | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mesenteric   |   | Hyperplasia                      | Lymphoid, Minimal |
| Mesentery                  | Fat   | Necrosis                         | Moderate          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 485

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700147

ORGAN AND ACCOUNTABLE SITE STATUS

[ Necrosis TGLs = 1-10 ]

|                   |                |                                  |                   |
|-------------------|----------------|----------------------------------|-------------------|
| * Nose            | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal           |
|                   | Respirat Epith | Hyperplasia                      | Minimal           |
| * Preputial Gland |                | Inflammation                     | Minimal           |
| Skeletal Muscle   |                | Inflammation                     | Mild              |
| * Spleen          |                | Hematopoietic Cell Proliferation | Marked            |
| * Thymus          |                | Hyperplasia                      | Lymphoid, Minimal |
| Tooth             |                | Dysplasia                        |                   |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

CONTRIBUTORY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Testes                 |
| * Thymus                   | * Trachea                 |                             |                          |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                          |   |                               |                |
|--------------------------|---|-------------------------------|----------------|
| * Bone Marrow            |   | Hyperplasia                   | Mild           |
| * Harderian Gland        |   | Hyperplasia                   | Mild           |
| * Heart                  |   | Cardiomyopathy                | Minimal        |
| * Intestine Large, Cecum |   | Hyperplasia                   | Lymphoid, Mild |
| * Kidney                 |   | Inflammation                  | Mild           |
|                          |   | Nephropathy                   | Moderate       |
| * Liver                  |   | Basophilic Focus              |                |
|                          |   | Eosinophilic Focus            |                |
|                          |   | Fatty Change                  | Focal          |
|                          |   | Hepatoblastoma                | Multiple       |
|                          |   | Hepatocellular Adenoma        | Multiple       |
|                          |   | Hepatocellular Carcinoma      | Multiple       |
|                          |   | Hypertrophy                   | Mild           |
|                          |   | Inflammation                  | Mild           |
|                          | [ Hepatoblastoma TGLs = 2-11 ]                |                               |                |
|                          | [ Hepatocellular Adenoma TGLs = 3,4-12+13 ]   |                               |                |
|                          | [ Hepatocellular Carcinoma TGLs = 1,5-10+14 ] |                               |                |
| * Nose                   | Olfactory Epi                                 | Accumulation, Hyaline Droplet | Minimal        |
|                          | Respirat Epith                                | Hyperplasia                   | Minimal        |
| * Preputial Gland        |   | Inflammation                  | Minimal        |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700148

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Prostate             |                             | Inflammation                     | Mild     |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Marked   |
|                        |                             | Inflammation                     | Moderate |
|                        | Epithelium                  | Ulcer                            | Mild     |
|                        | [ Hyperplasia TGLs = 6-15 ] |                                  |          |
| * Stomach, Glandular   | Epithelium                  | Hyperplasia                      | Mild     |
|                        |                             | Inflammation                     | Minimal  |
| * Thyroid Gland        | C Cell                      | Hyperplasia                      | Mild     |
| Tooth                  |                             | Dysplasia                        |          |
| * Urinary Bladder      |                             | Inflammation                     | Moderate |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 592

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                          |   |                              |                    |
|--------------------------|---|------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia                  | Minimal            |
| * Bone Marrow            |   | Hyperplasia                  | Moderate           |
| * Islets, Pancreatic     |   | Hyperplasia                  | Mild               |
| * Kidney                 |   | Mineralization               | Minimal            |
|                          |   | Nephropathy                  | Mild               |
| * Liver                  |   | Basophilic Focus             |                    |
|                          |   | Hepatocellular Carcinoma     | Multiple           |
|                          |   | Inflammation                 | Minimal            |
|                          |   | Necrosis                     | Mild               |
|                          |   | Vacuolization Cytoplasmic    | Minimal            |
|                          | [ Basophilic Focus TGLs = 1-10 ]              |                              |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 2,3-11+12 ] |                              |                    |
| * Lung                   |   | Alveolar/Bronchiolar Adenoma |                    |
|                          |   | Hepatocellular Carcinoma     | Metastatic (Liver) |
|                          | [ Alveolar/Bronchiolar Adenoma TGLs = 5-13 ]  |                              |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 4-3 ]       |                              |                    |
| * Lymph Node, Mandibular |   | Hyperplasia                  | Lymphoid, Mild     |
| * Nose                   | Respirat Epith                                | Hyperplasia                  | Minimal            |
|                          |   | Inflammation                 | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 47

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 592

**DOSE:** 0 mg/kg

**DISP:** Natural Death

**HISTO:** 0700149

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Spleen  
Tooth

Hematopoietic Cell Proliferation  
Dysplasia

Marked

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700150

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                 |
| * Preputial Gland         | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

**MISSING**

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

**OBSERVATIONS**

|                      |             |  |                      |
|----------------------|-------------|--|----------------------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia                                      | Minimal              |
|                      |             | Hypertrophy                                      | Minimal              |
| * Heart              |             | Cardiomyopathy                                   | Mild                 |
| * Islets, Pancreatic |             | Hyperplasia                                      | Minimal              |
| * Kidney             |             | Mineralization                                   | Minimal              |
|                      |             | Nephropathy                                      | Minimal              |
| * Liver              |             | Clear Cell Focus                                 |                      |
|                      |             | Eosinophilic Focus                               |                      |
|                      |             | Hepatocellular Adenoma                           | Multiple             |
|                      |             | Hepatocellular Carcinoma                         |                      |
|                      |             | Mixed Cell Focus                                 |                      |
|                      |             | Vacuolization Cytoplasmic                        | Mild                 |
|                      |             | [ Clear Cell Focus TGLs = 7,8-3+12+13+14+15 ]    |                      |
|                      |             | [ Eosinophilic Focus TGLs = 4,7,8-11+14+15 ]     |                      |
|                      |             | [ Hepatocellular Adenoma TGLs = 2,5,6-11+12+13 ] |                      |
|                      |             | [ Mixed Cell Focus TGLs = 1,3-10+11 ]            |                      |
| * Lung               | Alveolus    | Alveolar/Bronchiolar Carcinoma                   |                      |
|                      |             | Infiltration Cellular                            | Histiocyte, Moderate |
|                      |             | Inflammation                                     | Minimal              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700150

ORGAN AND ACCOUNTABLE SITE STATUS

Mineralization

Minimal

[ Alveolar/Bronchiolar Carcinoma TGLs = 9-3 ]

Hyperplasia

Mild

\* Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

\* Prostate

Hematopoietic Cell Proliferation

Mild

\* Spleen

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 400

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                            |                          |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                     | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                      | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum   | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Lung                   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland          | * Prostate               |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                     | * Stomach, Forestomach   |
| * Stomach, Glandular      | * Testes                    | Tooth                      | * Trachea                |
| * Urinary Bladder         |                             |                            |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |                |                                  |                  |
|--------------------------|----------------|----------------------------------|------------------|
| * Adrenal Cortex         | Subcapsular    | Hyperplasia                      | Minimal          |
| * Bone Marrow            |                | Hyperplasia                      | Mild             |
| * Intestine Small, Ileum | Epithelium     | Hyperplasia                      | Moderate         |
|                          |                | Inflammation                     | Moderate         |
| * Islets, Pancreatic     |                | Hyperplasia                      | Mild             |
| * Kidney                 |                | Mineralization                   | Minimal          |
| * Liver                  |                | Infiltration Cellular            | Lymphoid, Mild   |
|                          |                | Necrosis                         | Mild             |
| * Lymph Node, Mandibular |                | Hyperplasia                      | Lymphoid, Marked |
| * Lymph Node, Mesenteric |                | Hyperplasia                      | Lymphoid, Mild   |
| * Nose                   | Respirat Epith | Hyperplasia                      | Minimal          |
| * Preputial Gland        |                | Inflammation                     | Minimal          |
| * Spleen                 |                | Hematopoietic Cell Proliferation | Marked           |
| * Thymus                 |                | Atrophy                          | Moderate         |
| * Thyroid Gland          | Bilateral      | Ultimobranchial Cyst             |                  |

PRIMARY CAUSE OF DEATH - Intestine Small, Ileum Epithelium Hyperplasia

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 50

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700152

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                   |
| * Brain                   | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Lung                    | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland      |
| * Skin                    | * Stomach, Forestomach      | * Testes                 | * Thymus                 |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                          |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                            |  |                               |                   |
|----------------------------|--|-------------------------------|-------------------|
| * Bone Marrow              |  | Hyperplasia                   | Mild              |
| * Epididymis               |  | Inflammation                  | Mild              |
| * Intestine Small, Jejunum |  | Hyperplasia                   | Lymphoid, Mild    |
| * Kidney                   |  | Mineralization                | Minimal           |
|                            |  | Nephropathy                   | Minimal           |
| * Liver                    |  | Clear Cell Focus              |                   |
|                            |  | Eosinophilic Focus            |                   |
|                            |  | Hepatocellular Adenoma        | Multiple          |
|                            |  | Hepatocellular Carcinoma      |                   |
|                            |  | Inflammation                  | Minimal           |
|                            |  | Mixed Cell Focus              |                   |
|                            |  | Tension Lipidosis             |                   |
|                            | [ Clear Cell Focus TGLs = 6-14 ]                   |                               |                   |
|                            | [ Eosinophilic Focus TGLs = 6-14 ]                 |                               |                   |
|                            | [ Hepatocellular Adenoma TGLs = 1,3,4,5-10+12+13 ] |                               |                   |
|                            | [ Hepatocellular Carcinoma TGLs = 2-11 ]           |                               |                   |
|                            | [ Mixed Cell Focus TGLs = 6-14 ]                   |                               |                   |
| * Lymph Node, Mandibular   |  | Hyperplasia                   | Lymphoid, Minimal |
| * Nose                     | Olfactory Epi                                      | Accumulation, Hyaline Droplet | Minimal           |
|                            | Respirat Epith                                     | Hyperplasia                   | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700152

ORGAN AND ACCOUNTABLE SITE STATUS

|                      |               |                                  |                       |
|----------------------|---------------|----------------------------------|-----------------------|
|                      |               | Inflammation                     | Minimal               |
|                      | Olfactory Epi | Metaplasia                       | Respiratory, Moderate |
| * Pituitary Gland    | Pars Distalis | Hyperplasia                      | Minimal               |
| * Preputial Gland    |               | Inflammation                     | Minimal               |
| * Prostate           |               | Inflammation                     | Mild                  |
| * Salivary Glands    |               | Infiltration Cellular            | Lymphoid, Minimal     |
| * Seminal Vesicle    |               | Inflammation                     | Minimal               |
| * Spleen             |               | Hematopoietic Cell Proliferation | Mild                  |
| * Stomach, Glandular | Epithelium    | Hyperplasia                      | Mild                  |
| Tooth                |               | Dysplasia                        |                       |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Epididymis             |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                          |                     |
|----------------------|---|--------------------------|---------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia              | Minimal             |
| * Bone Marrow        |   | Hyperplasia              | Mild                |
| * Brain              |   | Hemorrhage               | Mild                |
| * Harderian Gland    |   | Carcinoma                |                     |
| * Heart              |   | Inflammation             | Minimal             |
| * Islets, Pancreatic |   | Hyperplasia              | Minimal             |
| * Kidney             |   | Mineralization           | Minimal             |
|                      |   | Nephropathy              | Minimal             |
| * Liver              |   | Basophilic Focus         |                     |
|                      |   | Eosinophilic Focus       |                     |
|                      |   | Hepatoblastoma           |                     |
|                      |   | Hepatocellular Adenoma   | Multiple            |
|                      |   | Hepatocellular Carcinoma | Multiple            |
|                      | Bile Duct                                     | Hyperplasia              | Mild                |
|                      |   | Inflammation             | Mild                |
|                      | [ Hepatoblastoma TGLs = 5-14 ]                |                          |                     |
|                      | [ Hepatocellular Adenoma TGLs = 3-12 ]        |                          |                     |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                          |                     |
| * Lung               |   | Hepatocellular Carcinoma | Metastatic (Liver)  |
|                      | Alveolus                                      | Infiltration Cellular    | Histiocyte, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700153

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                                  |          |
|-----------------------------|----------------|----------------------------------|----------|
| * Nose                      | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal  |
|                             | Respirat Epith | Hyperplasia                      | Mild     |
|                             |                | Inflammation                     | Minimal  |
| * Preputial Gland           |                | Inflammation                     | Minimal  |
| * Spleen                    |                | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis                   | Moderate |
|                             | Epithelium     | Hyperplasia                      | Moderate |
|                             |                | Inflammation                     | Moderate |
|                             | Epithelium     | Ulcer                            | Mild     |
| [ Hyperplasia TGLs = 6-13 ] |                |                                  |          |
| Tooth                       |                | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 4 - NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700154

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

**MISSING**

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

**OBSERVATIONS**

|                      |   |                                  |          |
|----------------------|---|----------------------------------|----------|
| * Bone Marrow        |   | Hyperplasia                      | Moderate |
| * Harderian Gland    |   | Carcinoma                        |          |
| * Islets, Pancreatic |   | Hyperplasia                      | Moderate |
| * Kidney             |   | Mineralization                   | Mild     |
|                      |   | Pigmentation                     | Mild     |
| * Liver              |   | Basophilic Focus                 |          |
|                      |   | Eosinophilic Focus               |          |
|                      |   | Hepatoblastoma                   |          |
|                      |   | Hepatocellular Adenoma           | Multiple |
|                      |   | Inflammation                     | Mild     |
|                      |   | Necrosis                         | Minimal  |
|                      | [ Hepatoblastoma TGLs = 2-10 ]              |                                  |          |
|                      | [ Hepatocellular Adenoma TGLs = 2,3-11+12 ] |                                  |          |
| * Nose               | Respirat Epith                              | Hyperplasia                      | Minimal  |
|                      |   | Inflammation                     | Minimal  |
| * Preputial Gland    |   | Inflammation                     | Minimal  |
| * Spleen             |   | Hematopoietic Cell Proliferation | Marked   |
| Tooth                |   | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 52

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 623

**DOSE:** 200 mg/kg

**DISP:** Natural Death

**HISTO:** 0700154

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: TGL 4 - NCL

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 520

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Testes                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                           |                   |
|--------------------------|--|---------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                            | Hyperplasia               | Minimal           |
| * Bone Marrow            |  | Hyperplasia               | Marked            |
| * Eye                    | Cornea                                 | Hyperplasia               | Squamous, Minimal |
|                          | Cornea                                 | Inflammation              | Minimal           |
| * Harderian Gland        |  | Carcinoma                 |                   |
|                          | [ Carcinoma TGLs = 1-9 ]               |                           |                   |
| * Islets, Pancreatic     |  | Hyperplasia               | Mild              |
| * Kidney                 |  | Mineralization            | Minimal           |
|                          |  | Nephropathy               | Minimal           |
| * Liver                  |  | Clear Cell Focus          |                   |
|                          |  | Eosinophilic Focus        |                   |
|                          |  | Hepatocellular Adenoma    | Multiple          |
|                          |  | Inflammation              | Minimal           |
|                          |  | Mixed Cell Focus          |                   |
|                          |  | Tension Lipidosis         |                   |
|                          |  | Vacuolization Cytoplasmic | Minimal           |
|                          | [ Eosinophilic Focus TGLs = 3-11 ]     |                           |                   |
|                          | [ Hepatocellular Adenoma TGLs = 2-10 ] |                           |                   |
| * Lymph Node, Mandibular |  | Hyperplasia               | Lymphoid, Mild    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 53

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 520

**DOSE:** 200 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700155

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                      |                |                                  |                |
|----------------------|----------------|----------------------------------|----------------|
| * Nose               | Respirat Epith | Hyperplasia                      | Minimal        |
| * Spleen             |                | Hematopoietic Cell Proliferation | Mild           |
| * Stomach, Glandular | Epithelium     | Hyperplasia                      | Minimal        |
| * Thymus             |                | Hyperplasia                      | Lymphoid, Mild |
| Tooth                |                | Dysplasia                        |                |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 510

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                    |
|----------------------|---|----------------------------------|--------------------|
| * Bone Marrow        |   | Hyperplasia                      | Moderate           |
| * Islets, Pancreatic |   | Hyperplasia                      | Mild               |
| * Kidney             |   | Accumulation, Hyaline Droplet    | Mild               |
|                      |   | Mineralization                   | Minimal            |
|                      |   | Nephropathy                      | Minimal            |
|                      |   | Pigmentation                     | Mild               |
| * Liver              |   | Eosinophilic Focus               |                    |
|                      |   | Hematopoietic Cell Proliferation | Minimal            |
|                      |   | Hepatoblastoma                   |                    |
|                      |   | Inflammation                     | Mild               |
|                      |   |                                  |                    |
|                      | [ Eosinophilic Focus TGLs = 2-11 ]              |                                  |                    |
|                      | [ Hepatoblastoma TGLs = 1-10 ]                  |                                  |                    |
| * Lung               |   | Hepatoblastoma                   | Metastatic (Liver) |
| Lymph Node           | Inguinal  | Hyperplasia                      | Lymphoid, Minimal  |
| * Nose               | Respirat Epith                                  | Hyperplasia                      | Minimal            |
| * Preputial Gland    |   | Inflammation                     | Minimal            |
| * Prostate           |   | Inflammation                     | Minimal            |
| * Spleen             |   | Hematopoietic Cell Proliferation | Marked             |
|                      | [ Hematopoietic Cell Proliferation TGLs = 3-4 ] |                                  |                    |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 54

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 510

**DOSE:** 200 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700156

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thymus  
Tooth

Hyperplasia  
Dysplasia

Lymphoid, Mild

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**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Bone                    | * Brain                     | * Epididymis             |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Testes                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|  |   |                                |                     |
|--|---|--------------------------------|---------------------|
| * Adrenal Cortex                               | Subcapsular   | Hyperplasia                    | Minimal             |
| Blood Vessel                                   |   | Inflammation                   | Mild                |
| Note: Inflammation associated with the pleura. |   |                                |                     |
| * Bone Marrow                                  |   | Hyperplasia                    | Moderate            |
| * Harderian Gland                              |   | Atrophy                        | Mild                |
| * Heart  |   | Cardiomyopathy                 | Minimal             |
| * Kidney                                       |   | Nephropathy                    | Minimal             |
| * Liver  |   | Eosinophilic Focus             |                     |
|  |   | Hepatocellular Adenoma         | Multiple            |
|  |   | Hepatocholangiocarcinoma       |                     |
|  |   | Inflammation                   | Mild                |
|  | [ Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13+14 ] |                                |                     |
|  | [ Hepatocholangiocarcinoma TGLs = 1-10 ]              |                                |                     |
| * Lung   |   | Alveolar/Bronchiolar Carcinoma |                     |
|  | Alveolus  | Infiltration Cellular          | Histiocyte, Minimal |
|  | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-15 ]        |                                |                     |
| Lymph Node                                     | Bronchial   | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung)   |
| * Nose   | Respirat Epith  | Hyperplasia                    | Minimal             |
| * Preputial Gland                              |   | Inflammation                   | Minimal             |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 55

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700157

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen

Hematopoietic Cell Proliferation

Marked

\* Thymus

Hyperplasia

Lymphoid, Minimal

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 615

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                          |  |                           |                    |
|--------------------------|--|---------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia               | Minimal            |
| * Bone Marrow            |  | Hyperplasia               | Mild               |
| * Epididymis             |  | Infiltration Cellular     | Lymphoid, Minimal  |
| * Islets, Pancreatic     |  | Hyperplasia               | Mild               |
| * Kidney                 |  | Mineralization            | Minimal            |
|                          |  | Nephropathy               | Minimal            |
| * Liver                  |  | Basophilic Focus          |                    |
|                          |  | Clear Cell Focus          |                    |
|                          |  | Eosinophilic Focus        |                    |
|                          |  | Hepatoblastoma            |                    |
|                          |  | Hepatocellular Adenoma    | Multiple           |
|                          |  | Hepatocholangiocarcinoma  | Multiple           |
|                          |  | Vacuolization Cytoplasmic | Minimal            |
|                          | [ Eosinophilic Focus TGLs = 5-12 ]               |                           |                    |
|                          | [ Hepatocellular Adenoma TGLs = 2,3,4-11+12+13 ] |                           |                    |
|                          | [ Hepatocholangiocarcinoma TGLs = 1-10 ]         |                           |                    |
| * Lung                   |  | Hepatocholangiocarcinoma  | Metastatic (Liver) |
|                          | [ Hepatocholangiocarcinoma TGLs = 4-13 ]         |                           |                    |
| * Lymph Node, Mandibular |  | Hyperplasia               | Lymphoid, Minimal  |
| * Nose                   | Respirat Epith                                   | Hyperplasia               | Minimal            |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 615

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700158

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Preputial Gland      |                             | Inflammation                     | Mild     |
| * Prostate             |                             | Inflammation                     | Minimal  |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Marked   |
|                        |                             | Inflammation                     | Moderate |
|                        | Epithelium                  | Ulcer                            | Moderate |
|                        | [ Hyperplasia TGLs = 7-14 ] |                                  |          |
|                        | [ Ulcer TGLs = 7-14 ]       |                                  |          |
| * Stomach, Glandular   | Epithelium                  | Hyperplasia                      | Minimal  |
| Tooth                  |                             | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

Animal Note: TGLs 6-13 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |                     |
|----------------------|--|----------------------------------|---------------------|
| * Adrenal Cortex     | Subcapsular                              | Hyperplasia                      | Minimal             |
| * Bone Marrow        |  | Hyperplasia                      | Moderate            |
| * Harderian Gland    |  | Hyperplasia                      | Mild                |
| * Heart              |  | Cardiomyopathy                   | Minimal             |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal             |
| * Kidney             |  | Nephropathy                      | Minimal             |
| * Liver              |  | Eosinophilic Focus               |                     |
|                      |  | Hematopoietic Cell Proliferation | Minimal             |
|                      |  | Hepatoblastoma                   | Multiple            |
|                      |  | Hepatocellular Adenoma           | Multiple            |
|                      |  | Hepatocellular Carcinoma         |                     |
|                      | [ Hepatoblastoma TGLs = 3,5,6-11+13+14 ] |                                  |                     |
|                      | [ Hepatocellular Adenoma TGLs = 4-12 ]   |                                  |                     |
|                      | [ Hepatocellular Carcinoma TGLs = 2-10 ] |                                  |                     |
| * Lung               |  | Alveolar/Bronchiolar Carcinoma   |                     |
|                      |  | Hepatoblastoma                   | Metastatic (Liver)  |
|                      |  | Hepatocellular Carcinoma         | Metastatic (Liver)  |
|                      | Alveolus                                 | Infiltration Cellular            | Histiocyte, Minimal |
| Lymph Node           | Bronchial                                | Hyperplasia                      | Lymphoid, Mild      |
| * Nose               | Olfactory Epi                            | Accumulation, Hyaline Droplet    | Moderate            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700159

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |   |                                  |          |
|------------------------|---|----------------------------------|----------|
| * Preputial Gland      |   | Inflammation                     | Minimal  |
| * Prostate             |   | Carcinoma                        |          |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked   |
|                        | [ Hematopoietic Cell Proliferation TGLs = 1-4 ] |                                  |          |
| * Stomach, Forestomach | Epithelium                                      | Hyperkeratosis                   | Mild     |
|                        | Epithelium                                      | Hyperplasia                      | Moderate |
|                        |   | Inflammation                     | Minimal  |
| * Thyroid Gland        | Follicle  | Hyperplasia                      | Minimal  |
| Tooth                  |   | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  | * Seminal Vesicle        |
| * Skin                     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |  |                          |                    |
|--------------------------|--|--------------------------|--------------------|
| * Bone Marrow            |  | Hyperplasia              | Mild               |
| * Islets, Pancreatic     |  | Hyperplasia              | Minimal            |
| * Kidney                 |  | Mineralization           | Minimal            |
|                          |  | Nephropathy              | Minimal            |
| * Liver                  |  | Basophilic Focus         |                    |
|                          |  | Hepatoblastoma           |                    |
|                          |  | Hepatocellular Adenoma   |                    |
|                          |  | Hepatocellular Carcinoma |                    |
|                          |  | Inflammation             | Mild               |
|                          |  | Mixed Cell Focus         |                    |
|                          |  | Necrosis                 | Mild               |
|                          | [ Hepatoblastoma TGLs = 3-12 ]           |                          |                    |
|                          | [ Hepatocellular Adenoma TGLs = 2-11 ]   |                          |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                          |                    |
|                          | [ Mixed Cell Focus TGLs = 3,4-12+13 ]    |                          |                    |
|                          | [ Necrosis TGLs = 3-12 ]                 |                          |                    |
| * Lymph Node, Mesenteric |  | Hyperplasia              | Lymphoid, Moderate |
|                          | [ Hyperplasia TGLs = 5-5 ]               |                          |                    |
| * Nose                   | Respirat Epith                           | Hyperplasia              | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700160

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                   |
|------------------------|-----------------------------|----------------------------------|-------------------|
| * Preputial Gland      |                             | Inflammation                     | Minimal           |
| * Salivary Glands      |                             | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Mild              |
|                        |                             | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate          |
|                        | Epithelium                  | Hyperplasia                      | Moderate          |
|                        | Epithelium                  | Inflammation                     | Mild              |
|                        |                             | Ulcer                            | Moderate          |
|                        | [ Hyperplasia TGLs = 6-14 ] |                                  |                   |
|                        | [ Ulcer TGLs = 6-14 ]       |                                  |                   |
| Tooth                  |                             | Dysplasia                        |                   |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                         |             |                                  |          |
|-------------------------|-------------|----------------------------------|----------|
| * Adrenal Cortex        | Subcapsular | Hyperplasia                      | Minimal  |
| * Bone Marrow           |             | Hyperplasia                      | Moderate |
| * Heart                 |             | Cardiomyopathy                   | Minimal  |
|                         |             | Inflammation                     | Mild     |
|                         |             | Thrombosis                       | Mild     |
| Note: Bacteria present. |             |                                  |          |
| * Islets, Pancreatic    |             | Hyperplasia                      | Minimal  |
| * Kidney                |             | Inflammation                     | Moderate |
|                         |             | Mineralization                   | Mild     |
|                         |             | Nephropathy                      | Minimal  |
|                         |             | Pigmentation                     | Moderate |
| Note: Bacteria present  |             |                                  |          |
| * Liver                 |             | Eosinophilic Focus               |          |
|                         |             | Hematopoietic Cell Proliferation | Minimal  |
|                         |             | Hepatoblastoma                   | Multiple |
|                         |             | Hepatocellular Adenoma           | Multiple |
|                         |             | Hepatocellular Carcinoma         | Multiple |
|                         |             | Inflammation                     | Mild     |
|                         |             | Necrosis                         | Moderate |

[ Hepatoblastoma TGLs = 2,5-11+14 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700161

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |   |                                  |                    |
|------------------------|---|----------------------------------|--------------------|
|                        | [ Hepatocellular Adenoma TGLs = 4,6-13+15 ] |                                  |                    |
|                        | [ Hepatocellular Carcinoma TGLs = 3-12 ]    |                                  |                    |
| * Lung                 |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose                 | Olfactory Epi                               | Accumulation, Hyaline Droplet    | Moderate           |
|                        | Respirat Epith                              | Hyperplasia                      | Minimal            |
| * Preputial Gland      |   | Inflammation                     | Mild               |
| * Prostate             |   | Inflammation                     | Moderate           |
| * Seminal Vesicle      |   | Inflammation                     | Moderate           |
| * Skin                 | Dermis                                      | Inflammation                     | Moderate           |
|                        | Subcut Tiss                                 | Inflammation                     | Mild               |
|                        | Epidermis                                   | Ulcer                            | Marked             |
|                        | [ Ulcer TGLs = 1-10 ]                       |                                  |                    |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked             |
| * Stomach, Forestomach | Epithelium                                  | Hyperkeratosis                   | Moderate           |
|                        | Epithelium                                  | Hyperplasia                      | Mild               |
|                        |   | Inflammation                     | Moderate           |
|                        | Epithelium                                  | Ulcer                            | Moderate           |
|                        | [ Ulcer TGLs = 7-16 ]                       |                                  |                    |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |  |                                  |                    |
|------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal            |
| * Bone Marrow          |  | Hyperplasia                      | Moderate           |
| * Heart                |  | Cardiomyopathy                   | Minimal            |
| * Islets, Pancreatic   |  | Hyperplasia                      | Mild               |
| * Kidney               |  | Mineralization                   | Minimal            |
|                        |  | Nephropathy                      | Minimal            |
| * Liver                |  | Eosinophilic Focus               |                    |
|                        |  | Hepatocellular Adenoma           | Multiple           |
|                        |  | Hepatocellular Carcinoma         |                    |
|                        |  | Hypertrophy                      | Mild               |
|                        |  | Inflammation                     | Minimal            |
|                        | [ Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13 ] |                                  |                    |
|                        | [ Hepatocellular Carcinoma TGLs = 1-10 ]           |                                  |                    |
| * Lung                 |  | Alveolar/Bronchiolar Adenoma     |                    |
| * Nose                 | Respirat Epith                                     | Hyperplasia                      | Mild               |
|                        |  | Inflammation                     | Minimal            |
| * Spleen               |  | Hematopoietic Cell Proliferation | Minimal            |
|                        |  | Hyperplasia                      | Lymphoid, Moderate |
| * Stomach, Forestomach | Epithelium   | Erosion                          | Mild               |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700162

ORGAN AND ACCOUNTABLE SITE STATUS

|       |                             |                |          |
|-------|-----------------------------|----------------|----------|
|       | Epithelium                  | Hyperkeratosis | Marked   |
|       | Epithelium                  | Hyperplasia    | Marked   |
|       |                             | Inflammation   | Moderate |
|       | Epithelium                  | Ulcer          | Mild     |
|       | [ Hyperplasia TGLs = 6-14 ] |                |          |
|       | [ Ulcer TGLs = 6-14 ]       |                |          |
| Tooth |                             | Dysplasia      |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 400

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |          |
|----------------------|--|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                            | Hyperplasia                      | Minimal  |
| * Bone Marrow        |  | Hyperplasia                      | Moderate |
| * Islets, Pancreatic |  | Hyperplasia                      | Moderate |
| * Kidney             |  | Mineralization                   | Minimal  |
|                      |  | Pigmentation                     | Moderate |
| * Liver              |  | Hematopoietic Cell Proliferation | Minimal  |
|                      |  | Hepatoblastoma                   |          |
|                      |  | Hepatocellular Adenoma           |          |
|                      |  | Necrosis                         | Moderate |
|                      |  | Vacuolization Cytoplasmic        | Mild     |
|                      |  |                                  |          |
|                      | [ Hepatoblastoma TGLs = 1-10 ]         |                                  |          |
|                      | [ Hepatocellular Adenoma TGLs = 2-11 ] |                                  |          |
| * Nose               | Respirat Epith                         | Hyperplasia                      | Minimal  |
| * Spleen             |  | Hematopoietic Cell Proliferation | Marked   |
| Urethra              | Bulboureth GI                          | Inflammation                     | Moderate |
|                      | [ Inflammation TGLs = 3-12 ]           |                                  |          |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Esophagus
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Pancreas
- \* Salivary Glands
- \* Testes
- Blood Vessel
- \* Eye
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Parathyroid Gland
- \* Seminal Vesicle
- \* Thyroid Gland
- \* Bone
- \* Gallbladder
- \* Intestine Small, Duodenum
- \* Lymph Node, Mandibular
- \* Pituitary Gland
- \* Skin
- \* Trachea
- \* Brain
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mesenteric
- \* Prostate
- \* Stomach, Glandular
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Bone Marrow
- \* Epididymis
- \* Harderian Gland
- \* Heart
- \* Kidney
- \* Liver
- \* Lung
- Lymph Node
- Inguinal
- Subcapsular
- Hyperplasia
- Hyperplasia
- Infiltration Cellular
- Infiltration Cellular
- Cardiomyopathy
- Mineralization
- Nephropathy
- Hemangiosarcoma
- Hematopoietic Cell Proliferation
- Hepatoblastoma
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Ito Cell Tumor Benign
- Necrosis
- Alveolar/Bronchiolar Adenoma
- Hyperplasia
- Minimal
- Marked
- Lymphoid, Minimal
- Lymphoid, Minimal
- Mild
- Minimal
- Minimal
- Multiple
- Mild
- Multiple
- Multiple
- Multiple
- Moderate
- Lymphoid, Minimal

[ Hemangiosarcoma TGLs = 4,7-3+10+11+12+13+14 ]

[ Hepatoblastoma TGLs = 2-10 ]

[ Hepatocellular Adenoma TGLs = 5,8-13+14 ]

[ Ito Cell Tumor Benign TGLs = 3-11 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700164

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |   |                                  |         |
|------------------------|---|----------------------------------|---------|
| * Nose                 | Olfactory Epi                           | Accumulation, Hyaline Droplet    | Minimal |
|                        | Respirat Epith                          | Hyperplasia                      | Minimal |
| * Preputial Gland      |   | Inflammation                     | Minimal |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked  |
| * Stomach, Forestomach |   | Squamous Cell Papilloma          |         |
|                        | [ Squamous Cell Papilloma TGLs = 9-14 ] |                                  |         |
| Tooth                  |   | Dysplasia                        |         |

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 632

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |                                  |                                  |          |
|------------------------|----------------------------------|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular                      | Hyperplasia                      | Mild     |
| * Bone Marrow          |                                  | Hyperplasia                      | Moderate |
| * Islets, Pancreatic   |                                  | Hyperplasia                      | Minimal  |
| * Kidney               |                                  | Mineralization                   | Mild     |
|                        |                                  | Nephropathy                      | Minimal  |
| * Liver                |                                  | Eosinophilic Focus               |          |
|                        |                                  | Mixed Cell Focus                 |          |
|                        |                                  | Vacuolization Cytoplasmic        | Mild     |
|                        | [ Mixed Cell Focus TGLs = 2-10 ] |                                  |          |
| * Preputial Gland      |                                  | Inflammation                     | Minimal  |
| * Spleen               |                                  | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                       | Hyperplasia                      | Mild     |
|                        |                                  | Inflammation                     | Minimal  |
| * Testes               |                                  | Mineralization                   | Mild     |
| Tooth                  |                                  | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 628

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700166

ORGAN AND ACCOUNTABLE SITE STATUS

|             |              |          |
|-------------|--------------|----------|
| Epidermis   | Hyperplasia  | Moderate |
| Dermis      | Inflammation | Moderate |
| Subcut Tiss | Inflammation | Mild     |
| Epidermis   | Ulcer        | Marked   |

[ Ulcer TGLs = 1,2-10+11 ]

\* Spleen  
Tooth

|                                  |          |
|----------------------------------|----------|
| Hematopoietic Cell Proliferation | Moderate |
| Dysplasia                        |          |

PRIMARY CAUSE OF DEATH

- Skin Epidermis Ulcer

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                           |                             |                          |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex         | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                  | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder            | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic     | * Lung                    | * Lymph Node, Mandibular    | * Pancreas               |
| * Parathyroid Gland      | * Pituitary Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle        | * Skin                    | * Stomach, Glandular        | * Testes                 |
| * Thymus                 | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |   |                                  |          |
|----------------------------|---|----------------------------------|----------|
| * Bone Marrow              |   | Hyperplasia                      | Moderate |
| * Intestine Small, Jejunum |   | Lymphoma Malignant               |          |
|                            | [ Lymphoma Malignant TGLs = 4-12 ]      |                                  |          |
| * Kidney                   |   | Mineralization                   | Minimal  |
|                            |   | Nephropathy                      | Mild     |
|                            |   | Pigmentation                     | Moderate |
| * Liver                    |   | Basophilic Focus                 |          |
|                            |   | Eosinophilic Focus               |          |
|                            |   | Hepatoblastoma                   |          |
|                            |   | Necrosis                         | Mild     |
|                            | [ Eosinophilic Focus TGLs = 3-11 ]      |                                  |          |
|                            | [ Hepatoblastoma TGLs = 2-10 ]          |                                  |          |
| * Lymph Node, Mesenteric   |   | Inflammation                     | Moderate |
|                            | [ Inflammation TGLs = 5-13 ]            |                                  |          |
| * Nose                     | Respirat Epith                          | Hyperplasia                      | Minimal  |
| * Preputial Gland          |   | Inflammation                     | Minimal  |
| * Spleen                   |   | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach     |   | Squamous Cell Papilloma          |          |
|                            | [ Squamous Cell Papilloma TGLs = 6-14 ] |                                  |          |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 65

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 687

**DOSE:** 200 mg/kg

**DISP:** Natural Death

**HISTO:** 0700167

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth

Dysplasia

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |                      |
|----------------------|--|----------------------------------|----------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                      | Minimal              |
| * Bone Marrow        |  | Hyperplasia                      | Mild                 |
| * Heart              |  | Cardiomyopathy                   | Minimal              |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal              |
| * Kidney             |  | Mineralization                   | Minimal              |
|                      |  | Nephropathy                      | Minimal              |
| * Liver              |  | Clear Cell Focus                 |                      |
|                      |  | Eosinophilic Focus               |                      |
|                      |  | Hepatocellular Adenoma           | Multiple             |
|                      |  | Hypertrophy                      | Moderate             |
|                      |  | Inflammation                     | Mild                 |
|                      | [ Eosinophilic Focus TGLs = 4,5,7-13+14+15 ]               |                                  |                      |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,3,4,6-10+11+12+13+14 ] |                                  |                      |
| * Nose               | Respirat Epith   | Hyperplasia                      | Mild                 |
|                      |  | Inflammation                     | Minimal              |
|                      | Glands   | Metaplasia                       | Respiratory, Minimal |
| * Preputial Gland    |  | Inflammation                     | Minimal              |
| * Spleen             |  | Hematopoietic Cell Proliferation | Minimal              |
|                      |  | Hyperplasia                      | Lymphoid, Mild       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700168

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ORGAN AND ACCOUNTABLE SITE STATUS

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\* Stomach, Forestomach

Epithelium

Erosion

Mild

Epithelium

Hyperkeratosis

Marked

Epithelium

Hyperplasia

Marked

Inflammation

Moderate

[ Hyperplasia TGLs = 8-16 ]

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Mammary Gland

INSUFFICIENT TISSUE

\* Thyroid Gland

OBSERVATIONS

|                      |             |                           |          |
|----------------------|-------------|---------------------------|----------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia               | Minimal  |
| * Bone Marrow        |             | Hyperplasia               | Mild     |
| * Islets, Pancreatic |             | Hyperplasia               | Mild     |
| * Kidney             |             | Mineralization            | Minimal  |
|                      |             | Nephropathy               | Mild     |
| * Liver              |             | Clear Cell Focus          |          |
|                      |             | Eosinophilic Focus        |          |
|                      |             | Erythrophagocytosis       | Minimal  |
|                      |             | Hepatocellular Adenoma    | Multiple |
|                      |             | Hepatocellular Carcinoma  |          |
|                      |             | Hypertrophy               | Moderate |
|                      |             | Inflammation              | Minimal  |
|                      |             | Mixed Cell Focus          |          |
|                      |             | Vacuolization Cytoplasmic | Minimal  |

[ Clear Cell Focus TGLs = 1-11 ]

[ Eosinophilic Focus TGLs = 1-11 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700169

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
|                          | [ Hepatocellular Adenoma TGLs = 1,3,4,5,6-11+12+13+14+15 ] |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 2-10 ]                   |                                  |                   |
| * Lung                   | Alveolar Epith   | Hyperplasia                      | Minimal           |
|                          |  | Mineralization                   | Minimal           |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Respirat Epith   | Hyperplasia                      | Mild              |
|                          |  | Inflammation                     | Minimal           |
| * Preputial Gland        |  | Inflammation                     | Minimal           |
| * Prostate               |  | Hyperplasia                      | Mild              |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate          |
|                          |  | Hyperplasia                      | Lymphoid, Minimal |
| Tooth                    |  | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| Blood Vessel               | * Bone                    | * Brain                     | * Esophagus              |
| * Eye                      | * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mesenteric    | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Stomach, Glandular      | * Testes                    | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                          |                |
|--------------------------|---|--------------------------|----------------|
| * Adrenal Cortex         | Subcapsular                                       | Adenoma                  |                |
| * Adrenal Medulla        |   | Hyperplasia              | Minimal        |
| * Bone Marrow            |   | Hyperplasia              | Moderate       |
| * Epididymis             |   | Inflammation             | Moderate       |
| * Heart                  |   | Cardiomyopathy           | Minimal        |
| * Islets, Pancreatic     |   | Hyperplasia              | Minimal        |
| * Kidney                 |   | Mineralization           | Minimal        |
|                          |   | Nephropathy              | Mild           |
| * Liver                  |   | Basophilic Focus         |                |
|                          |   | Clear Cell Focus         |                |
|                          |   | Eosinophilic Focus       |                |
|                          |   | Hepatocellular Adenoma   | Multiple       |
|                          |   | Hepatocellular Carcinoma | Multiple       |
|                          |   | Hypertrophy              | Mild           |
|                          |   | Inflammation             | Minimal        |
|                          | [ Hepatocellular Adenoma TGLs = 5-12 ]            |                          |                |
|                          | [ Hepatocellular Carcinoma TGLs = 1,4,2,3-10+11 ] |                          |                |
| * Lymph Node, Mandibular |   | Hyperplasia              | Lymphoid, Mild |
| Mesentery                | Fat   | Necrosis                 | Moderate       |
|                          | [ Necrosis TGLs = 6-13 ]                          |                          |                |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 68

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700170

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |                       |                                  |                   |
|------------------------|-----------------------|----------------------------------|-------------------|
| * Nose                 | Respirat Epith        | Hyperplasia                      | Minimal           |
|                        |                       | Inflammation                     | Minimal           |
| * Preputial Gland      |                       | Inflammation                     | Minimal           |
| * Prostate             |                       | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen               |                       | Hematopoietic Cell Proliferation | Mild              |
|                        |                       | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Forestomach | Epithelium            | Hyperkeratosis                   | Moderate          |
|                        | Epithelium            | Hyperplasia                      | Moderate          |
|                        |                       | Inflammation                     | Mild              |
|                        | Epithelium            | Ulcer                            | Moderate          |
|                        | [ Ulcer TGLs = 7-14 ] |                                  |                   |
| * Thymus               |                       | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland        | Follicular Cel        | Degeneration                     | Minimal           |
| Tooth                  |                       | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |                                |                        |                    |
|----------------------|--------------------------------|------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                    | Hyperplasia            | Minimal            |
| * Bone Marrow        |                                | Hyperplasia            | Moderate           |
| * Heart              |                                | Hemangiosarcoma        | Metastatic (Liver) |
|                      |                                | Hepatoblastoma         | Metastatic (Liver) |
| * Islets, Pancreatic |                                | Hyperplasia            | Minimal            |
| * Kidney             |                                | Hepatoblastoma         | Metastatic (Liver) |
|                      | Renal Tubule                   | Hyperplasia            | Moderate           |
|                      |                                | Mineralization         | Minimal            |
|                      | Renal Tubule                   | Necrosis               | Moderate           |
|                      |                                | Nephropathy            | Minimal            |
|                      | [ Hepatoblastoma TGLs = 2-11 ] |                        |                    |
|                      | [ Necrosis TGLs = 1,2-10+11 ]  |                        |                    |
| * Liver              |                                | Basophilic Focus       |                    |
|                      |                                | Clear Cell Focus       |                    |
|                      |                                | Eosinophilic Focus     |                    |
|                      |                                | Hemangiosarcoma        |                    |
|                      |                                | Hepatoblastoma         |                    |
|                      |                                | Hepatocellular Adenoma | Multiple           |
|                      |                                | Hypertrophy            | Moderate           |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700171

**ORGAN AND ACCOUNTABLE SITE STATUS**

Inflammation Mild  
 Mixed Cell Focus  
 Necrosis Mild  
 Vacuolization Cytoplasmic Minimal

[ Hemangiosarcoma TGLs = 12,13,14-17+18 ]  
 [ Hepatoblastoma TGLs = 8-15 ]  
 [ Hepatocellular Adenoma TGLs = 9,10,11-11+12+16 ]

\* Lung

Alveolus

Alveolar/Bronchiolar Carcinoma Multiple  
 Hepatoblastoma Metastatic (Liver)  
 Infiltration Cellular Histiocyte, Minimal

Note: Neoplastic cells extend to and infiltrates the mediastinum multifocally.

[ Alveolar/Bronchiolar Carcinoma TGLs = 3,5,6-10+12+13 ]  
 [ Hepatoblastoma TGLs = 4-12 ]

Lymph Node

Bronchial  
 Mediastinal

Hepatoblastoma Metastatic (Liver)  
 Hyperplasia Lymphoid, Mild

\* Nose

Olfactory Epi  
 Respirat Epith

Accumulation, Hyaline Droplet Minimal  
 Hyperplasia Minimal

\* Preputial Gland

Inflammation Minimal

\* Prostate

Hyperplasia Mild

Skeletal Muscle

Hepatoblastoma Metastatic (Liver)

[ Hepatoblastoma TGLs = 7-14 ]

\* Spleen

Hematopoietic Cell Proliferation Moderate

\* Stomach, Forestomach

Epithelium  
 Epithelium

Hyperkeratosis Marked  
 Hyperplasia Marked  
 Inflammation Moderate

[ Hyperplasia TGLs = 15-19 ]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Testes                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

|                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

|                          |  |                           |                    |
|--------------------------|--|---------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia               | Minimal            |
| * Bone Marrow            |  | Hyperplasia               | Mild               |
| * Heart                  |  | Cardiomyopathy            | Minimal            |
| * Islets, Pancreatic     |  | Hyperplasia               | Mild               |
| * Kidney                 |  | Mineralization            | Minimal            |
|                          |  | Nephropathy               | Minimal            |
| * Liver                  |  | Clear Cell Focus          |                    |
|                          |  | Eosinophilic Focus        |                    |
|                          |  | Hepatocellular Adenoma    | Multiple           |
|                          |  | Hepatocellular Carcinoma  | Multiple           |
|                          |  | Hypertrophy               | Mild               |
|                          |  | Inflammation              | Mild               |
|                          |  | Mixed Cell Focus          |                    |
|                          |  | Vacuolization Cytoplasmic | Mild               |
|                          | [ Hepatocellular Adenoma TGLs = 1,3,4-10+12+13 ] |                           |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 2,5-11+14 ]    |                           |                    |
| * Lymph Node, Mandibular |  | Hyperplasia               | Lymphoid, Minimal  |
| * Lymph Node, Mesenteric |  | Hyperplasia               | Lymphoid, Moderate |
|                          | [ Hyperplasia TGLs = 6-5 ]                       |                           |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700172

ORGAN AND ACCOUNTABLE SITE STATUS

|                   |                |                                  |                       |
|-------------------|----------------|----------------------------------|-----------------------|
| * Nose            | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal               |
|                   | Respirat Epith | Hyperplasia                      | Minimal               |
|                   | Olfactory Epi  | Metaplasia                       | Respiratory, Moderate |
| * Preputial Gland |                | Inflammation                     | Minimal               |
| * Spleen          |                | Hematopoietic Cell Proliferation | Moderate              |
|                   |                | Hyperplasia                      | Lymphoid, Minimal     |
| Tooth             |                | Dysplasia                        |                       |

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Harderian Gland        | * Intestine Large, Cecum   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Minimal            |
| * Bone Marrow            |  | Hyperplasia                      | Moderate           |
| * Heart                  |  | Cardiomyopathy                   | Minimal            |
| * Intestine Large, Colon | Epithelium   | Hyperplasia                      | Moderate           |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal            |
| * Kidney                 |  | Mineralization                   | Minimal            |
|                          |  | Nephropathy                      | Minimal            |
|                          |  | Pigmentation                     | Mild               |
| * Liver                  |  | Eosinophilic Focus               |                    |
|                          |  | Hematopoietic Cell Proliferation | Minimal            |
|                          |  | Hepatoblastoma                   | Multiple           |
|                          |  | Hepatocellular Adenoma           |                    |
|                          |  | Hepatocellular Carcinoma         | Multiple           |
|                          |  | Necrosis                         | Mild               |
|                          | [ Hepatoblastoma TGLs = 5,6-13+14 ]                |                                  |                    |
|                          | [ Hepatocellular Adenoma TGLs = 7-15 ]             |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 3,4,8-11+12+16 ] |                                  |                    |
| * Lung                   |  | Alveolar/Bronchiolar Adenoma     |                    |
|                          |  | Hepatoblastoma                   | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700173

ORGAN AND ACCOUNTABLE SITE STATUS

Alveolus

Infiltration Cellular  
 Inflammation

Histiocyte, Mild  
 Moderate

Note: Eosinophilic crystalline material present.

Note: Yellow pigment present in areas of inflammation

[ Alveolar/Bronchiolar Adenoma TGLs = 2-3 ]

[ Hepatoblastoma TGLs = 1-10 ]

[ Inflammation TGLs = 1-10 ]

\* Preputial Gland

Inflammation

Minimal

\* Spleen

Hematopoietic Cell Proliferation

Marked

\* Stomach, Forestomach

Epithelium

Hyperkeratosis

Moderate

Epithelium

Hyperplasia

Moderate

Inflammation

Mild

[ Hyperplasia TGLs = 9-10 ]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Brain                  |
| * Epididymis               | * Esophagus               | * Eye                       | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Stomach, Glandular      | * Testes                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                      |                                     |                          |          |
|----------------------|-------------------------------------|--------------------------|----------|
| * Adrenal Cortex     | Subcapsular                         | Hyperplasia              | Mild     |
| * Bone Marrow        |                                     | Hyperplasia              | Moderate |
| * Harderian Gland    |                                     | Adenoma                  |          |
|                      | [ Adenoma TGLs = 6-9 ]              |                          |          |
| * Heart              |                                     | Cardiomyopathy           | Minimal  |
| * Islets, Pancreatic |                                     | Hyperplasia              | Mild     |
| * Kidney             |                                     | Cyst                     | Minimal  |
|                      |                                     | Mineralization           | Mild     |
|                      |                                     | Nephropathy              | Minimal  |
| * Liver              |                                     | Basophilic Focus         |          |
|                      |                                     | Clear Cell Focus         |          |
|                      |                                     | Eosinophilic Focus       |          |
|                      |                                     | Hepatoblastoma           | Multiple |
|                      |                                     | Hepatocellular Adenoma   | Multiple |
|                      |                                     | Hepatocellular Carcinoma | Multiple |
|                      | Bile Duct                           | Hyperplasia              | Moderate |
|                      |                                     | Hypertrophy              | Mild     |
|                      |                                     | Inflammation             | Minimal  |
|                      |                                     | Mixed Cell Focus         |          |
|                      | [ Hepatoblastoma TGLs = 3,6-12+14 ] |                          |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700174

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
|                          | [ Hepatocellular Adenoma TGLs = 4-13 ]        |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,3-10+11 ] |                                  |                   |
| * Lung                   |   | Alveolar/Bronchiolar Carcinoma   |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Mild    |
| * Nose                   | Olfactory Epi                                 | Accumulation, Hyaline Droplet    | Moderate          |
|                          | Olfactory Epi                                 | Atrophy                          | Mild              |
|                          | Respirat Epith                                | Hyperplasia                      | Minimal           |
| * Preputial Gland        |   | Inflammation                     | Minimal           |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Mild              |
|                          |   | Lymphoma Malignant               |                   |
|                          | [ Lymphoma Malignant TGLs = 7-15 ]            |                                  |                   |
| * Stomach, Forestomach   | Epithelium                                    | Hyperkeratosis                   | Marked            |
|                          | Epithelium                                    | Hyperplasia                      | Marked            |
|                          |   | Inflammation                     | Moderate          |
|                          |   | Mineralization                   | Minimal           |
|                          | [ Hyperplasia TGLs = 8-16 ]                   |                                  |                   |
| * Thymus                 |   | Hyperplasia                      | Lymphoid, Minimal |
| Tooth                    |   | Dysplasia                        |                   |

Animal Note: TGLs 5-14 = NCL

Animal Note: TGLs 2-12 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |   |                                  |          |
|------------------------|---|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular                                   | Hyperplasia                      | Minimal  |
| * Bone Marrow          |   | Hyperplasia                      | Moderate |
| * Harderian Gland      |   | Hyperplasia                      | Minimal  |
| * Kidney               |   | Mineralization                   | Minimal  |
|                        |   | Nephropathy                      | Minimal  |
|                        |   | Pigmentation                     | Minimal  |
| * Liver                |   | Clear Cell Focus                 |          |
|                        |   | Eosinophilic Focus               |          |
|                        |   | Hepatoblastoma                   |          |
|                        |   | Hepatocellular Adenoma           | Multiple |
|                        |   | Hepatocellular Carcinoma         |          |
|                        | [ Hepatoblastoma TGLs = 1-11 ]                |                                  |          |
|                        | [ Hepatocellular Adenoma TGLs = 2,3-10+12 ]   |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 4,5-13+14 ] |                                  |          |
| Mesentery              | Fat   | Necrosis                         | Moderate |
|                        | [ Necrosis TGLs = UPL ]                       |                                  |          |
| * Preputial Gland      |   | Inflammation                     | Minimal  |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                                    | Hyperkeratosis                   | Moderate |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

---

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700175

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

Epithelium

Hyperplasia

Moderate

Inflammation

Mild

[ Hyperplasia TGLs = 6-15 ]

\* Thyroid Gland

Ultimobranchial Cyst

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                          |                   |
|----------------------|---|--------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia              | Minimal           |
| * Bone Marrow        |   | Hyperplasia              | Moderate          |
| * Heart              |   | Cardiomyopathy           | Minimal           |
| * Islets, Pancreatic |   | Hyperplasia              | Mild              |
| * Kidney             |   | Mineralization           | Minimal           |
|                      |   | Nephropathy              | Minimal           |
| * Liver              |   | Hepatoblastoma           |                   |
|                      |   | Hepatocellular Adenoma   | Multiple          |
|                      |   | Hepatocellular Carcinoma |                   |
|                      |   | Hypertrophy              | Mild              |
|                      |   | Inflammation             | Minimal           |
|                      | [ Hepatoblastoma TGLs = 1-10 ]                        |                          |                   |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,3,5-10+11+12+14 ] |                          |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 4-13 ]              |                          |                   |
| Lymph Node           | Inguinal  | Hyperplasia              | Lymphoid, Minimal |
| * Nose               | Respirat Epith  | Hyperplasia              | Mild              |
|                      |   | Inflammation             | Mild              |
|                      | Olfactory Epi   | Pigmentation             | Minimal           |
| * Preputial Gland    |   | Inflammation             | Minimal           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700176

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen

Hematopoietic Cell Proliferation

Minimal

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 601

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Preputial Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia                      | Minimal           |
| * Bone Marrow            |   | Hyperplasia                      | Moderate          |
| * Islets, Pancreatic     |   | Hyperplasia                      | Moderate          |
| * Kidney                 |   | Cyst                             | Minimal           |
|                          |   | Mineralization                   | Minimal           |
|                          |   | Nephropathy                      | Minimal           |
|                          |   | Pigmentation                     | Minimal           |
| * Liver                  |   | Basophilic Focus                 |                   |
|                          |   | Hepatoblastoma                   | Multiple          |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Necrosis                         | Moderate          |
|                          | [ Hepatoblastoma TGLs = 5,6-13+14 ]           |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 2,3,4-11+12 ] |                                  |                   |
| * Lung                   |   | Alveolar/Bronchiolar Adenoma     |                   |
|                          | [ Alveolar/Bronchiolar Adenoma TGLs = 1-10 ]  |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Respirat Epith                                | Hyperplasia                      | Mild              |
|                          |   | Inflammation                     | Minimal           |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Marked            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 75

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 601

**DOSE:** 200 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700177

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland  
Tooth

Ultimobranchial Cyst  
Dysplasia

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**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                               |          |
|----------------------|---|-------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                 | Hyperplasia                   | Minimal  |
| * Bone Marrow        |   | Hyperplasia                   | Moderate |
| * Heart              |   | Cardiomyopathy                | Minimal  |
| * Islets, Pancreatic |   | Hyperplasia                   | Mild     |
| * Kidney             |   | Mineralization                | Minimal  |
|                      |   | Nephropathy                   | Minimal  |
| * Liver              |   | Eosinophilic Focus            |          |
|                      |   | Hepatocellular Adenoma        | Multiple |
|                      |   | Hepatocellular Carcinoma      | Multiple |
|                      |   | Inflammation                  | Mild     |
|                      | [ Eosinophilic Focus TGLs = 4,5-13+14 ]     |                               |          |
|                      | [ Hepatocellular Adenoma TGLs = 2,3-11+12 ] |                               |          |
|                      | [ Hepatocellular Carcinoma TGLs = 1-10 ]    |                               |          |
| * Lung               | Alveolar Epith                              | Hyperplasia                   | Moderate |
| * Nose               | Olfactory Epi                               | Accumulation, Hyaline Droplet | Minimal  |
|                      | Olfactory Epi                               | Atrophy                       | Mild     |
|                      | Respirat Epith                              | Hyperplasia                   | Mild     |
|                      |   | Inflammation                  | Minimal  |
| * Preputial Gland    |   | Inflammation                  | Moderate |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 76

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 674

**DOSE:** 200 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700178

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                        |            |                                  |         |
|------------------------|------------|----------------------------------|---------|
| * Spleen               |            | Hematopoietic Cell Proliferation | Mild    |
| * Stomach, Forestomach | Epithelium | Hyperplasia                      | Minimal |
| Tooth                  |            | Dysplasia                        |         |

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 314

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung                   |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   | * Pancreas               |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands        |
| * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     | * Testes                 |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |             |                                  |                   |
|----------------------------|-------------|----------------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular | Hyperplasia                      | Minimal           |
| * Bone Marrow              |             | Hyperplasia                      | Moderate          |
| * Intestine Small, Jejunum |             | Hyperplasia                      | Lymphoid, Minimal |
| * Islets, Pancreatic       |             | Hyperplasia                      | Mild              |
| * Kidney                   |             | Nephropathy                      | Minimal           |
| * Liver                    |             | Inflammation                     | Minimal           |
|                            |             | Vacuolization Cytoplasmic        | Moderate          |
| Lymph Node                 | Inguinal    | Hyperplasia                      | Lymphoid, Minimal |
| * Preputial Gland          |             | Inflammation                     | Minimal           |
| * Spleen                   |             | Hematopoietic Cell Proliferation | Mild              |
| * Stomach, Forestomach     | Epithelium  | Hyperkeratosis                   | Minimal           |
|                            | Epithelium  | Hyperplasia                      | Mild              |
|                            |             | Inflammation                     | Minimal           |
|                            | Epithelium  | Ulcer                            | Mild              |
| Tooth                      |             | Dysplasia                        |                   |

PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Epithelium Ulcer

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Pancreas               |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Seminal Vesicle        |
| * Skin                    | * Testes                    | * Thymus                 | * Trachea                |
| * Urinary Bladder         |                             |                          |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |  |                                |                  |
|----------------------------|--|--------------------------------|------------------|
| * Adrenal Cortex           | Subcapsular  | Hyperplasia                    | Minimal          |
| * Bone Marrow              |  | Hyperplasia                    | Moderate         |
| * Intestine Small, Jejunum |  | Lymphoma Malignant             |                  |
|                            | [ Lymphoma Malignant TGLs = 8-16 ]                 |                                |                  |
| * Islets, Pancreatic       |  | Hyperplasia                    | Minimal          |
| * Kidney                   |  | Nephropathy                    | Mild             |
| * Liver                    |  | Basophilic Focus               |                  |
|                            |  | Eosinophilic Focus             |                  |
|                            |  | Hepatocellular Adenoma         | Multiple         |
|                            |  | Hepatocellular Carcinoma       | Multiple         |
|                            |  | Inflammation                   | Minimal          |
|                            | [ Hepatocellular Adenoma TGLs = 2,3,5-11+13 ]      |                                |                  |
|                            | [ Hepatocellular Carcinoma TGLs = 1,4,6-10+12+14 ] |                                |                  |
| * Lung                     |  | Alveolar/Bronchiolar Carcinoma |                  |
|                            | Alveolus   | Infiltration Cellular          | Histiocyte, Mild |
|                            | [ Alveolar/Bronchiolar Carcinoma TGLs = 7-15 ]     |                                |                  |
| Lymph Node                 | Inguinal   | Hyperplasia                    | Lymphoid, Mild   |
| * Lymph Node, Mandibular   |  | Hyperplasia                    | Lymphoid, Mild   |
| * Lymph Node, Mesenteric   |  | Lymphoma Malignant             |                  |
| * Nose                     | Olfactory Epi                                      | Accumulation, Hyaline Droplet  | Moderate         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700180

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Preputial Gland      |                             | Inflammation                     | Minimal  |
| * Prostate             |                             | Hyperplasia                      | Minimal  |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Marked   |
|                        | Epithelium                  | Hyperplasia                      | Marked   |
|                        |                             | Inflammation                     | Moderate |
|                        | Epithelium                  | Ulcer                            | Mild     |
|                        | [ Hyperplasia TGLs = 9-17 ] |                                  |          |
|                        | [ Ulcer TGLs = 9-17 ]       |                                  |          |
| * Stomach, Glandular   | Epithelium                  | Hyperplasia                      | Mild     |
| * Thyroid Gland        | C Cell                      | Hyperplasia                      | Minimal  |
| Tooth                  |                             | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 |
| * Seminal Vesicle         | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |             |                          |                  |
|----------------------|-------------|--------------------------|------------------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia              | Minimal          |
| * Bone Marrow        |             | Hyperplasia              | Moderate         |
| * Islets, Pancreatic |             | Hyperplasia              | Minimal          |
| * Kidney             |             | Cyst                     | Minimal          |
|                      |             | Metaplasia               | Osseous, Minimal |
|                      |             | Mineralization           | Minimal          |
|                      |             | Nephropathy              | Minimal          |
| * Liver              |             | Basophilic Focus         |                  |
|                      |             | Clear Cell Focus         |                  |
|                      |             | Eosinophilic Focus       |                  |
|                      |             | Hepatoblastoma           |                  |
|                      |             | Hepatocellular Adenoma   | Multiple         |
|                      |             | Hepatocellular Carcinoma |                  |
|                      |             | Hypertrophy              | Moderate         |
|                      |             | Inflammation             | Mild             |
|                      |             | Necrosis                 | Moderate         |

[ Hepatoblastoma TGLs = 6-14 ]

[ Hepatocellular Adenoma TGLs = 2,3,5-11+12+13 ]

[ Hepatocellular Carcinoma TGLs = 4-12 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700181

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |               |                                  |                   |
|-----------------------------|---------------|----------------------------------|-------------------|
| Lymph Node                  | Inguinal      | Hyperplasia                      | Lymphoid, Minimal |
| * Preputial Gland           |               | Inflammation                     | Minimal           |
| * Salivary Glands           |               | Infiltration Cellular            | Lymphoid, Minimal |
| * Skin                      |               | Cyst Epithelial Inclusion        |                   |
| [ Cyst Epithelial Inclusion | TGLs = 1-10 ] |                                  |                   |
| * Spleen                    |               | Hematopoietic Cell Proliferation | Moderate          |
| * Thyroid Gland             | C Cell        | Hyperplasia                      | Minimal           |
| Tooth                       |               | Dysplasia                        |                   |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                   |                |  |                    |
|-------------------|----------------|--|--------------------|
| * Adrenal Cortex  | Subcapsular    | Hyperplasia                                      | Mild               |
| * Bone Marrow     |                | Hyperplasia                                      | Mild               |
| * Heart           |                | Cardiomyopathy                                   | Minimal            |
| * Kidney          |                | Cyst   | Minimal            |
|                   |                | Infarct  | Minimal            |
|                   |                | Metaplasia                                       | Osseous, Mild      |
|                   |                | Mineralization                                   | Minimal            |
|                   |                | Nephropathy                                      | Minimal            |
| * Liver           |                | Clear Cell Focus                                 |                    |
|                   |                | Eosinophilic Focus                               |                    |
|                   |                | Hepatoblastoma                                   | Multiple           |
|                   |                | Hepatocellular Adenoma                           | Multiple           |
|                   |                | Inflammation                                     | Mild               |
|                   |                | [ Hepatoblastoma TGLs = 1,3-10+11 ]              |                    |
|                   |                | [ Hepatocellular Adenoma TGLs = 2,4,5-11+12+13 ] |                    |
| * Lung            |                | Hepatoblastoma                                   | Metastatic (Liver) |
| Lymph Node        | Inguinal       | Hyperplasia                                      | Lymphoid, Minimal  |
| * Nose            | Respirat Epith | Hyperplasia                                      | Minimal            |
| * Preputial Gland |                | Inflammation                                     | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700182

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Spleen               |                             | Angiectasis                      | Mild     |
|                        |                             | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Marked   |
|                        | Epithelium                  | Hyperplasia                      | Marked   |
|                        |                             | Inflammation                     | Moderate |
|                        | [ Hyperplasia TGLs = 6-14 ] |                                  |          |
| * Testes               |                             | Mineralization                   | Minimal  |
| Tooth                  |                             | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                                |                  |
|--------------------------|--|--------------------------------|------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                    | Minimal          |
| * Bone Marrow            |  | Hyperplasia                    | Mild             |
| * Islets, Pancreatic     |  | Hyperplasia                    | Minimal          |
| * Kidney                 |  | Mineralization                 | Minimal          |
|                          |  | Nephropathy                    | Minimal          |
| * Liver                  |  | Clear Cell Focus               |                  |
|                          |  | Eosinophilic Focus             |                  |
|                          |  | Hepatocellular Adenoma         | Multiple         |
|                          |  | Hepatocellular Carcinoma       | Multiple         |
|                          |  | Hypertrophy                    | Mild             |
|                          |  | Inflammation                   | Mild             |
|                          | [ Clear Cell Focus TGLs = 6-15 ]                 |                                |                  |
|                          | [ Eosinophilic Focus TGLs = 6-15 ]               |                                |                  |
|                          | [ Hepatocellular Adenoma TGLs = 1,4,5-10+13+14 ] |                                |                  |
|                          | [ Hepatocellular Carcinoma TGLs = 2,3-11+12 ]    |                                |                  |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma |                  |
|                          | Alveolus   | Infiltration Cellular          | Histiocyte, Mild |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 7-16 ]   |                                |                  |
| Lymph Node               | Bronchial  | Hyperplasia                    | Lymphoid, Mild   |
| * Lymph Node, Mandibular |  | Hyperplasia                    | Lymphoid, Mild   |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 81

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700183

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                          |                             |                                  |                |
|--------------------------|-----------------------------|----------------------------------|----------------|
| * Lymph Node, Mesenteric |                             | Hyperplasia                      | Lymphoid, Mild |
| * Nose                   | Olfactory Epi               | Accumulation, Hyaline Droplet    | Minimal        |
|                          | Respirat Epith              | Hyperplasia                      | Mild           |
| * Preputial Gland        |                             | Inflammation                     | Minimal        |
| * Spleen                 |                             | Hematopoietic Cell Proliferation | Mild           |
| * Stomach, Forestomach   | Epithelium                  | Hyperkeratosis                   | Moderate       |
|                          | Epithelium                  | Hyperplasia                      | Marked         |
|                          |                             | Inflammation                     | Mild           |
|                          | [ Hyperplasia TGLs = 8-17 ] |                                  |                |
| * Thyroid Gland          | C Cell                      | Hyperplasia                      | Minimal        |
| Tooth                    |                             | Dysplasia                        |                |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Seminal Vesicle        | * Skin                     | * Spleen                  | * Testes                    |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                          |                    |
|--------------------------|--|--------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia              | Minimal            |
| * Bone Marrow            |  | Hyperplasia              | Mild               |
| * Epididymis             |  | Infiltration Cellular    | Lymphoid, Minimal  |
| * Harderian Gland        |  | Adenoma                  |                    |
| * Kidney                 |  | Mineralization           | Minimal            |
|                          |  | Nephropathy              | Mild               |
| * Liver                  |  | Clear Cell Focus         |                    |
|                          |  | Erythrophagocytosis      | Mild               |
|                          |  | Hepatocellular Adenoma   | Multiple           |
|                          |  | Hepatocellular Carcinoma | Multiple           |
|                          |  | Hypertrophy              | Moderate           |
|                          |  | Inflammation             | Mild               |
|                          |  | Mixed Cell Focus         |                    |
|                          |  | Necrosis                 | Minimal            |
|                          | [ Hepatocellular Adenoma TGLs = 2,3,4-10+11+12 ] |                          |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1,5-10+13 ]    |                          |                    |
| * Lymph Node, Mesenteric |  | Hyperplasia              | Lymphoid, Moderate |
| Mesentery                | Fat  | Necrosis                 | Marked             |
|                          | [ Necrosis TGLs = 6-14 ]                         |                          |                    |
| * Nose                   | Respirat Epith                                   | Hyperplasia              | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700184

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |            |                       |                   |
|------------------------|------------|-----------------------|-------------------|
| * Preputial Gland      |            | Inflammation          | Minimal           |
| * Prostate             |            | Infiltration Cellular | Lymphoid, Minimal |
| * Salivary Glands      |            | Infiltration Cellular | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia           | Minimal           |
| * Stomach, Glandular   | Epithelium | Hyperplasia           | Moderate          |
|                        |            | Mineralization        | Minimal           |
| * Thymus               |            | Hyperplasia           | Lymphoid, Mild    |
| * Thyroid Gland        |            | Ultimobranchial Cyst  | Multiple          |
| Tooth                  |            | Dysplasia             |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |             |                          |          |
|----------------------|-------------|--------------------------|----------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia              | Minimal  |
| * Bone Marrow        |             | Hyperplasia              | Moderate |
| * Heart              |             | Cardiomyopathy           | Minimal  |
| * Islets, Pancreatic |             | Hyperplasia              | Minimal  |
| * Kidney             |             | Cyst                     | Minimal  |
|                      |             | Mineralization           | Minimal  |
|                      |             | Nephropathy              | Minimal  |
|                      |             | Pigmentation             | Mild     |
| * Liver              |             | Clear Cell Focus         |          |
|                      |             | Eosinophilic Focus       |          |
|                      |             | Hepatoblastoma           | Multiple |
|                      |             | Hepatocellular Adenoma   | Multiple |
|                      |             | Hepatocellular Carcinoma | Multiple |
|                      |             | Hypertrophy              | Mild     |
|                      |             | Inflammation             | Minimal  |
|                      |             | Mixed Cell Focus         |          |

[ Hepatoblastoma TGLs = 1-10 ]

[ Hepatocellular Adenoma TGLs = 2,4,5-11+13+14 ]

[ Hepatocellular Carcinoma TGLs = 3-12 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700185

ORGAN AND ACCOUNTABLE SITE STATUS

|                   |                |                                  |                   |
|-------------------|----------------|----------------------------------|-------------------|
| Lymph Node        | Inguinal       | Hyperplasia                      | Lymphoid, Minimal |
| * Nose            | Respirat Epith | Hyperplasia                      | Minimal           |
|                   |                | Inflammation                     | Minimal           |
| * Preputial Gland |                | Inflammation                     | Minimal           |
| * Salivary Glands |                | Hemangiosarcoma                  |                   |
| * Spleen          |                | Hematopoietic Cell Proliferation | Moderate          |
| * Thyroid Gland   | C Cell         | Hyperplasia                      | Minimal           |
| Tooth             |                | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                   |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal           |
| * Bone Marrow        |   | Hyperplasia                      | Moderate          |
| * Harderian Gland    |   | Hyperplasia                      | Mild              |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal           |
| * Kidney             |   | Inflammation                     | Mild              |
|                      |   | Mineralization                   | Minimal           |
|                      |   | Nephropathy                      | Mild              |
|                      |   | Pigmentation                     | Moderate          |
| * Liver              |   | Eosinophilic Focus               |                   |
|                      |   | Hematopoietic Cell Proliferation | Minimal           |
|                      |   | Hepatoblastoma                   | Multiple          |
|                      |   | Hepatocellular Adenoma           | Multiple          |
|                      |   | Hepatocellular Carcinoma         | Multiple          |
|                      | [ Eosinophilic Focus TGLs = 4-12 ]            |                                  |                   |
|                      | [ Hepatoblastoma TGLs = 2-10 ]                |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 6-14 ]        |                                  |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 3,5-11+13 ] |                                  |                   |
| Lymph Node           | Inguinal                                      | Hyperplasia                      | Lymphoid, Minimal |
| Mesentery            |   | Inflammation                     | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700186

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                |                                  |                       |
|------------------------|----------------|----------------------------------|-----------------------|
| * Nose                 | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild                  |
|                        | Respirat Epith | Hyperplasia                      | Minimal               |
|                        |                | Inflammation                     | Mild                  |
|                        | Olfactory Epi  | Metaplasia                       | Respiratory, Minimal  |
|                        | Glands         | Metaplasia                       | Respiratory, Moderate |
| * Preputial Gland      |                | Inflammation                     | Minimal               |
| * Prostate             |                | Inflammation                     | Moderate              |
| * Spleen               |                | Hematopoietic Cell Proliferation | Marked                |
| * Stomach, Forestomach |                | Cyst                             |                       |
| Tooth                  |                | Dysplasia                        |                       |
| * Urinary Bladder      |                | Inflammation                     | Moderate              |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                               |          |
|----------------------|---|-------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                 | Adenoma                       |          |
| * Bone Marrow        |   | Hyperplasia                   | Mild     |
| * Harderian Gland    |   | Carcinoma                     |          |
|                      | [ Carcinoma TGLs = 7-9 ]                    |                               |          |
| * Islets, Pancreatic |   | Hyperplasia                   | Mild     |
| * Kidney             |   | Mineralization                | Moderate |
|                      |   | Nephropathy                   | Minimal  |
| * Liver              |   | Eosinophilic Focus            |          |
|                      |   | Fatty Change                  | Focal    |
|                      |   | Hepatocellular Adenoma        | Multiple |
|                      |   | Mixed Cell Focus              |          |
|                      |   | Vacuolization Cytoplasmic     | Mild     |
|                      | [ Fatty Change TGLs = 3,9-11+14 ]           |                               |          |
|                      | [ Hepatocellular Adenoma TGLs = 4,8-12+14 ] |                               |          |
|                      | [ Mixed Cell Focus TGLs = 2-10 ]            |                               |          |
| * Nose               | Olfactory Epi                               | Accumulation, Hyaline Droplet | Minimal  |
|                      | Olfactory Epi                               | Atrophy                       | Mild     |
|                      | Respirat Epith                              | Hyperplasia                   | Mild     |
|                      |   | Inflammation                  | Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

---

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700187

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Preputial Gland

Cyst

Moderate

Inflammation

Minimal

[ Cyst TGLs = 1-8 ]

Tooth

Dysplasia

\* Urinary Bladder

Hemorrhage

Moderate

[ Hemorrhage TGLs = 5-4 ]

---

PRIMARY CAUSE OF DEATH - Urinary Bladder Hemorrhage

---



ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Epididymis
- \* Harderian Gland
- \* Intestine Small, Duodenum
- \* Pancreas
- \* Salivary Glands
- \* Stomach, Glandular
- \* Blood Vessel
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Pituitary Gland
- \* Seminal Vesicle
- \* Testes
- \* Bone
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Preputial Gland
- \* Skin
- \* Trachea
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Lymph Node, Mandibular
- \* Prostate
- \* Spleen
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mesenteric
- \* Mammary Gland
- \* Parathyroid Gland
- \* Thymus

OBSERVATIONS

- \* Adrenal Cortex
- \* Bone Marrow
- \* Heart
- \* Islets, Pancreatic
- \* Kidney
- \* Liver
- \* Lung
- \* Nose
- Subcapsular
- Hyperplasia
- Hyperplasia
- Cardiomyopathy
- Hyperplasia
- Mineralization
- Nephropathy
- Clear Cell Focus
- Eosinophilic Focus
- Hepatocellular Adenoma
- Hepatocellular Carcinoma
- Hypertrophy
- Inflammation
- Mixed Cell Focus
- Vacuolization Cytoplasmic
- Minimal
- Moderate
- Minimal
- Moderate
- Minimal
- Minimal
- Minimal
- Minimal
- Multiple
- Moderate
- Mild
- Minimal
- Minimal
- Minimal
- Minimal
- Metastatic (Liver)
- Minimal

[ Clear Cell Focus TGLs = 5-13 ]

[ Eosinophilic Focus TGLs = 3-11 ]

[ Hepatocellular Adenoma TGLs = 2,4-11+12 ]

[ Hepatocellular Carcinoma TGLs = 1-10 ]

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 86

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700188

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Stomach, Forestomach

Epithelium

Hyperkeratosis

Mild

Epithelium

Hyperplasia

Minimal

\* Thyroid Gland

Follicle

Cyst

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- |                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- |                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Bone Marrow            |  | Hyperplasia                      | Moderate          |
| * Heart                  |  | Cardiomyopathy                   | Minimal           |
| * Kidney                 |  | Infiltration Cellular            | Lymphoid, Mild    |
|                          |  | Metaplasia                       | Osseous, Minimal  |
|                          |  | Nephropathy                      | Minimal           |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         | Multiple          |
|                          |  | Inflammation                     | Mild              |
|                          | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ] |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ]    |                                  |                   |
| * Lung                   |  | Alveolar/Bronchiolar Adenoma     |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Mild    |
| * Nose                   | Olfactory Epi                                    | Accumulation, Hyaline Droplet    | Mild              |
|                          | Respirat Epith                                   | Hyperplasia                      | Minimal           |
| * Preputial Gland        |  | Inflammation                     | Minimal           |
| * Prostate               |  | Infiltration Cellular            | Lymphoid, Minimal |
| * Salivary Glands        |  | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Mild              |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 87

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700189

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Hyperplasia

Lymphoid, Mild

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 505

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| Lymph Node                  | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thyroid Gland          | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                  |  |                                  |                    |
|------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex | Subcapsular                                      | Hyperplasia                      | Minimal            |
| * Bone Marrow    |  | Hyperplasia                      | Moderate           |
| * Epididymis     |  | Hepatoblastoma                   | Metastatic (Liver) |
| * Kidney         |  | Mineralization                   | Minimal            |
|                  |  | Pigmentation                     | Minimal            |
| * Liver          |  | Clear Cell Focus                 |                    |
|                  |  | Eosinophilic Focus               |                    |
|                  |  | Fatty Change                     | Focal              |
|                  |  | Hematopoietic Cell Proliferation | Minimal            |
|                  |  | Hepatoblastoma                   |                    |
|                  |  | Hepatocellular Adenoma           | Multiple           |
|                  |  | Hypertrophy                      | Moderate           |
|                  |  | Inflammation                     | Minimal            |
|                  | [ Hepatoblastoma TGLs = 1-10 ]                   |                                  |                    |
|                  | [ Hepatocellular Adenoma TGLs = 2,3,4-11+12+13 ] |                                  |                    |
| * Lung           |  | Hepatoblastoma                   | Metastatic (Liver) |
| Mesentery        |  | Hepatoblastoma                   | Metastatic (Liver) |
|                  |  | Inflammation                     | Mild               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 505

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700190

ORGAN AND ACCOUNTABLE SITE STATUS

|                               |                |                                  |                |
|-------------------------------|----------------|----------------------------------|----------------|
|                               | Fat            | Necrosis                         | Mild           |
| [ Hepatoblastoma TGLs = UPL ] |                |                                  |                |
| * Nose                        | Respirat Epith | Hyperplasia                      | Minimal        |
|                               |                | Inflammation                     | Minimal        |
| Peritoneum                    |                | Inflammation                     | Moderate       |
| * Preputial Gland             |                | Inflammation                     | Minimal        |
| * Spleen                      |                | Hematopoietic Cell Proliferation | Marked         |
| * Thymus                      |                | Hyperplasia                      | Lymphoid, Mild |
|                               |                | Thymoma Malignant                |                |

Note: [WHO HUMAN CLASSIFICATION TYPE AB]

[ Thymoma Malignant TGLs = 5-14 ]

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Testes                    | * Thymus                 |
| * Thyroid Gland            | Tooth                     | * Trachea                   | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |               |                               |                    |
|----------------------|---------------|-------------------------------|--------------------|
| * Bone Marrow        |               | Hyperplasia                   | Moderate           |
| * Islets, Pancreatic |               | Hyperplasia                   | Mild               |
| * Kidney             |               | Nephropathy                   | Minimal            |
| * Liver              |               | Basophilic Focus              |                    |
|                      |               | Eosinophilic Focus            |                    |
|                      |               | Fatty Change                  | Focal              |
|                      |               | Hepatocellular Adenoma        |                    |
|                      |               | Hepatocellular Carcinoma      | Multiple           |
|                      |               | Hypertrophy                   | Moderate           |
|                      |               | Mixed Cell Focus              |                    |
|                      |               | Necrosis                      | Minimal            |
|                      |               |                               |                    |
|                      |               |                               |                    |
|                      |               |                               |                    |
|                      |               |                               |                    |
|                      |               |                               |                    |
|                      |               |                               |                    |
| * Lung               |               | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose               | Olfactory Epi | Accumulation, Hyaline Droplet | Moderate           |
| * Prostate           |               | Inflammation                  | Minimal            |

[ Basophilic Focus TGLs = 5-14 ]  
 [ Eosinophilic Focus TGLs = 4,5-13+14 ]  
 [ Hepatocellular Adenoma TGLs = 2-11 ]  
 [ Hepatocellular Carcinoma TGLs = 1,3-10+12 ]  
 [ Mixed Cell Focus TGLs = 5-14 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700191

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Moderate |
|                        |                             | Inflammation                     | Moderate |
|                        |                             | Mineralization                   | Minimal  |
|                        | Epithelium                  | Ulcer                            | Moderate |
|                        | [ Hyperplasia TGLs = 6-15 ] |                                  |          |
|                        | [ Ulcer TGLs = 6-15 ]       |                                  |          |
| * Stomach, Glandular   |                             | Mineralization                   | Mild     |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                           |                |
|--------------------------|---|---------------------------|----------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia               | Mild           |
| * Bone Marrow            |   | Hyperplasia               | Moderate       |
| * Harderian Gland        |   | Hyperplasia               | Minimal        |
| * Heart                  |   | Cardiomyopathy            | Minimal        |
| * Islets, Pancreatic     |   | Hyperplasia               | Minimal        |
| * Kidney                 |   | Mineralization            | Minimal        |
|                          |   | Nephropathy               | Minimal        |
| * Liver                  |   | Erythrophagocytosis       | Mild           |
|                          |   | Hemangiosarcoma           |                |
|                          |   | Hepatocellular Adenoma    |                |
|                          |   | Hepatocellular Carcinoma  | Multiple       |
|                          |   | Hypertrophy               | Mild           |
|                          |   | Inflammation              | Mild           |
|                          |   | Vacuolization Cytoplasmic | Minimal        |
|                          | [ Hemangiosarcoma TGLs = 5-13 ]                         |                           |                |
|                          | [ Hepatocellular Adenoma TGLs = 3-12 ]                  |                           |                |
|                          | [ Hepatocellular Carcinoma TGLs = 2,4,5,6-10+12+13+14 ] |                           |                |
| * Lymph Node, Mandibular |   | Hyperplasia               | Lymphoid, Mild |
| * Nose                   | Respirat Epith  | Hyperplasia               | Minimal        |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700192

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                                 |                                  |          |
|------------------------|---------------------------------|----------------------------------|----------|
| * Preputial Gland      |                                 | Inflammation                     | Minimal  |
| * Spleen               |                                 | Hemangiosarcoma                  |          |
|                        |                                 | Hematopoietic Cell Proliferation | Marked   |
|                        | [ Hemangiosarcoma TGLs = 1-11 ] |                                  |          |
| * Stomach, Forestomach | Epithelium                      | Hyperkeratosis                   | Moderate |
|                        | Epithelium                      | Hyperplasia                      | Moderate |
|                        |                                 | Inflammation                     | Mild     |
|                        | Epithelium                      | Ulcer                            | Mild     |
|                        | [ Ulcer TGLs = 7-15 ]           |                                  |          |
| Tooth                  |                                 | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |                     |  |                    |
|------------------------|---------------------|--|--------------------|
| * Adrenal Cortex       | Subcapsular         | Hyperplasia                              | Minimal            |
| * Kidney               |                     | Nephropathy                              | Moderate           |
| * Liver                |                     | Clear Cell Focus                         |                    |
|                        |                     | Eosinophilic Focus                       |                    |
|                        |                     | Hepatocellular Adenoma                   | Multiple           |
|                        |                     | Hepatocellular Carcinoma                 | Multiple           |
|                        |                     | [ Eosinophilic Focus TGLs = 6,7-12+13 ]  |                    |
|                        |                     | [ Hepatocellular Adenoma TGLs = 4-11 ]   |                    |
|                        |                     | [ Hepatocellular Carcinoma TGLs = 3-10 ] |                    |
| * Lung                 |                     | Hepatocellular Carcinoma                 | Metastatic (Liver) |
| * Nose                 | Respirat Epith      | Hyperplasia                              | Mild               |
| * Preputial Gland      |                     | Ectasia                                  | Marked             |
|                        |                     | [ Ectasia TGLs = 1-8 ]                   |                    |
| * Skin                 | Dermis, Subcut Tiss | Inflammation                             | Mild               |
| * Spleen               | Lymph Follic        | Atrophy                                  | Marked             |
|                        |                     | Hematopoietic Cell Proliferation         | Moderate           |
|                        |                     | [ Atrophy TGLs = 2-4 ]                   |                    |
| * Stomach, Forestomach | Epithelium          | Hyperkeratosis                           | Marked             |
|                        | Epithelium          | Hyperplasia                              | Marked             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 91

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 621

**DOSE:** 200 mg/kg

**DISP:** Natural Death

**HISTO:** 0700193

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hyperplasia TGLs = 8-14 ]  
Tooth

Inflammation

Mild

Dysplasia

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 5-11 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    |
| * Nose                   | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thyroid Gland             |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                          |                   |
|--------------------------|---|--------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia              | Minimal           |
| * Bone Marrow            |   | Hyperplasia              | Moderate          |
| * Harderian Gland        |   | Adenoma                  |                   |
| * Heart                  |   | Cardiomyopathy           | Minimal           |
| * Islets, Pancreatic     |   | Hyperplasia              | Minimal           |
| * Kidney                 |   | Infarct                  | Minimal           |
|                          |   | Nephropathy              | Mild              |
|                          |   | Pigmentation             | Minimal           |
| * Liver                  |   | Eosinophilic Focus       |                   |
|                          |   | Hepatoblastoma           | Multiple          |
|                          |   | Hepatocellular Adenoma   | Multiple          |
|                          |   | Hepatocellular Carcinoma | Multiple          |
|                          |   | Hypertrophy              | Moderate          |
|                          |   | Inflammation             | Minimal           |
|                          | [ Hepatoblastoma TGLs = 3-12 ]                |                          |                   |
|                          | [ Hepatocellular Adenoma TGLs = 4,5-13+14 ]   |                          |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                          |                   |
| * Lymph Node, Mesenteric |   | Hyperplasia              | Lymphoid, Minimal |
| * Preputial Gland        |   | Inflammation             | Minimal           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 92

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700194

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen

Hematopoietic Cell Proliferation

Moderate

\* Thymus

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Minimal            |
| * Bone Marrow            |  | Hyperplasia                      | Moderate           |
| * Epididymis             |  | Inflammation                     | Minimal            |
| * Harderian Gland        |  | Carcinoma                        |                    |
| * Islets, Pancreatic     |  | Hyperplasia                      | Moderate           |
| * Kidney                 |  | Mineralization                   | Minimal            |
|                          |  | Nephropathy                      | Minimal            |
|                          |  | Pigmentation                     | Minimal            |
| * Liver                  |  | Hepatoblastoma                   |                    |
|                          |  | Hepatocellular Adenoma           | Multiple           |
|                          |  | Hepatocellular Carcinoma         | Multiple           |
|                          |  | Inflammation                     | Minimal            |
|                          | [ Hepatoblastoma TGLs = 1-10 ]                     |                                  |                    |
|                          | [ Hepatocellular Adenoma TGLs = 3,4-12+13 ]        |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,5-10+11+14 ] |                                  |                    |
| * Lung                   |  | Hepatoblastoma                   | Metastatic (Liver) |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal  |
| * Preputial Gland        |  | Inflammation                     | Minimal            |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Marked             |
|                          |  | Hyperplasia                      | Lymphoid, Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700195

ORGAN AND ACCOUNTABLE SITE STATUS

|                               |            |                          |          |
|-------------------------------|------------|--------------------------|----------|
| * Stomach, Forestomach        | Epithelium | Hyperkeratosis           | Moderate |
|                               | Epithelium | Hyperplasia              | Marked   |
|                               |            | Inflammation             | Mild     |
| [ Hyperplasia TGLs = 6-15 ]   |            |                          |          |
| * Stomach, Glandular<br>Tooth | Epithelium | Hyperplasia<br>Dysplasia | Mild     |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                      |                |  |                    |
|----------------------|----------------|--|--------------------|
| * Bone Marrow        |                | Hyperplasia                                      | Moderate           |
| * Harderian Gland    |                | Fibrosis   | Mild               |
|                      |                | Hyperplasia                                      | Mild               |
|                      |                | Mineralization                                   | Mild               |
| * Heart              |                | Cardiomyopathy                                   | Mild               |
| * Islets, Pancreatic |                | Hyperplasia                                      | Minimal            |
| * Kidney             |                | Mineralization                                   | Mild               |
|                      |                | Nephropathy                                      | Mild               |
| * Liver              |                | Basophilic Focus                                 |                    |
|                      |                | Eosinophilic Focus                               |                    |
|                      |                | Hepatoblastoma                                   |                    |
|                      |                | Hepatocellular Adenoma                           | Multiple           |
|                      |                | Hepatocellular Carcinoma                         | Multiple           |
|                      |                | [ Hepatoblastoma TGLs = 3-11 ]                   |                    |
|                      |                | [ Hepatocellular Adenoma TGLs = 2,4,6-10+12+14 ] |                    |
|                      |                | [ Hepatocellular Carcinoma TGLs = 2,5-10+13 ]    |                    |
| * Lung               |                | Hepatocellular Carcinoma                         | Metastatic (Liver) |
| * Nose               | Olfactory Epi  | Accumulation, Hyaline Droplet                    | Moderate           |
|                      | Respirat Epith | Hyperplasia                                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700196

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Preputial Gland      |                             | Inflammation                     | Mild     |
|                        |                             | Ectasia                          | Moderate |
|                        |                             | Inflammation                     | Minimal  |
|                        | [ Ectasia TGLs = 1-8 ]      |                                  |          |
| * Seminal Vesicle      |                             | Inflammation                     | Mild     |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Mild     |
|                        | Epithelium                  | Hyperplasia                      | Moderate |
|                        |                             | Inflammation                     | Moderate |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |          |
| Tooth                  |                             | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                   |                |   |                   |
|-------------------|----------------|---|-------------------|
| * Adrenal Cortex  | Subcapsular    | Hyperplasia                                 | Minimal           |
| * Bone Marrow     |                | Hyperplasia                                 | Moderate          |
| * Heart           |                | Cardiomyopathy                              | Mild              |
| * Kidney          |                | Metaplasia                                  | Osseous, Minimal  |
|                   |                | Mineralization                              | Minimal           |
|                   |                | Nephropathy                                 | Minimal           |
|                   |                | Pigmentation                                | Minimal           |
| * Liver           |                | Clear Cell Focus                            |                   |
|                   |                | Eosinophilic Focus                          |                   |
|                   |                | Hepatoblastoma                              | Multiple          |
|                   |                | Hepatocellular Adenoma                      | Multiple          |
|                   |                | Inflammation                                | Minimal           |
|                   |                | [ Hepatoblastoma TGLs = 1,2,4-10+11+13 ]    |                   |
|                   |                | [ Hepatocellular Adenoma TGLs = 3,5-12+14 ] |                   |
| * Lung            |                | Alveolar/Bronchiolar Carcinoma              |                   |
| Lymph Node        | Inguinal       | Hyperplasia                                 | Lymphoid, Minimal |
| * Nose            | Respirat Epith | Hyperplasia                                 | Minimal           |
| * Preputial Gland |                | Inflammation                                | Moderate          |
| * Spleen          |                | Hematopoietic Cell Proliferation            | Moderate          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700197

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ORGAN AND ACCOUNTABLE SITE STATUS

---

\* Stomach, Forestomach

Epithelium

Hyperkeratosis

Moderate

Epithelium

Hyperplasia

Moderate

Inflammation

Mild

[ Hyperplasia TGLs = 6-15 ]

\* Thymus

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |          |
|----------------------|--|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                      | Minimal  |
| * Bone Marrow        |  | Hyperplasia                      | Mild     |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal  |
| * Kidney             |  | Mineralization                   | Minimal  |
| * Liver              |  | Basophilic Focus                 |          |
|                      |  | Eosinophilic Focus               |          |
|                      |  | Hepatocellular Adenoma           | Multiple |
|                      |  | Hepatocellular Carcinoma         | Multiple |
|                      |  | Necrosis                         | Moderate |
|                      | [ Eosinophilic Focus TGLs = 3,5-12+14 ]          |                                  |          |
|                      | [ Hepatocellular Adenoma TGLs = 2,6,7-11+15+16 ] |                                  |          |
|                      | [ Hepatocellular Carcinoma TGLs = 1,4-10+13 ]    |                                  |          |
| * Lung               |  | Alveolar/Bronchiolar Adenoma     |          |
|                      | [ Alveolar/Bronchiolar Adenoma TGLs = 8-17 ]     |                                  |          |
| * Preputial Gland    |  | Inflammation                     | Minimal  |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate |
| * Thymus             |  | Necrosis                         | Mild     |
| Tooth                |  | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Nose                      |
| * Parathyroid Gland      | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           | * Trachea                   |

MISSING

- \* Mammary Gland

OBSERVATIONS

|                              |                |   |          |
|------------------------------|----------------|---|----------|
| * Adrenal Cortex             | Subcapsular    | Hyperplasia   | Minimal  |
| * Bone Marrow                |                | Hyperplasia   | Moderate |
| * Epididymis                 |                | Inflammation  | Minimal  |
| * Heart                      | Artery         | Inflammation  | Mild     |
| Note: Periarteritis syndrome |                |   |          |
| * Islets, Pancreatic         |                | Hyperplasia   | Minimal  |
| * Kidney                     |                | Inflammation  | Minimal  |
|                              |                | Mineralization  | Minimal  |
|                              |                | Nephropathy   | Minimal  |
| * Liver                      |                | Clear Cell Focus  |          |
|                              |                | Eosinophilic Focus                                      |          |
|                              |                | Hepatocellular Adenoma                                  | Multiple |
|                              |                | Hypertrophy   | Marked   |
|                              |                | Inflammation  | Mild     |
|                              |                | Mixed Cell Focus  |          |
|                              |                | Vacuolization Cytoplasmic                               | Mild     |
|                              |                | [ Eosinophilic Focus TGLs = 4-12 ]                      |          |
|                              |                | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13 ] |          |
| * Lung                       |                | Alveolar/Bronchiolar Carcinoma                          |          |
|                              | Alveolar Epith | Hyperplasia   | Marked   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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**ANIMAL ID:** 97

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700199

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Alveolar/Bronchiolar Carcinoma TGLs = 6-14 ]

|                          |                                  |                   |
|--------------------------|----------------------------------|-------------------|
| * Lymph Node, Mandibular | Hyperplasia                      | Lymphoid, Minimal |
| * Pancreas               | Inflammation                     | Minimal           |
| * Spleen                 | Hematopoietic Cell Proliferation | Minimal           |
|                          | Hyperplasia                      | Lymphoid, Mild    |
| * Testes                 | Inflammation                     | Minimal           |
| Tooth                    | Dysplasia                        |                   |
| * Urinary Bladder        | Inflammation                     | Minimal           |

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**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700200

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | * Trachea                  |                           |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|   |                |                                  |                |
|---|----------------|----------------------------------|----------------|
| * Adrenal Cortex                            | Subcapsular    | Adenoma                          |                |
| * Bone Marrow                               |                | Hyperplasia                      | Moderate       |
| * Heart                                     |                | Inflammation                     | Minimal        |
| * Islets, Pancreatic                        |                | Hyperplasia                      | Minimal        |
| * Kidney                                    |                | Inflammation                     | Mild           |
|   |                | Nephropathy                      | Minimal        |
| * Liver                                     |                | Clear Cell Focus                 |                |
|   |                | Eosinophilic Focus               |                |
|   |                | Hepatoblastoma                   | Multiple       |
|   |                | Hepatocellular Adenoma           | Multiple       |
|   |                | Inflammation                     | Mild           |
|   |                | Necrosis                         | Minimal        |
|   |                |                                  |                |
|   |                |                                  |                |
|   |                |                                  |                |
| [ Hepatoblastoma TGLs = 3,5,6-11+13+14 ]    |                |                                  |                |
| [ Hepatocellular Adenoma TGLs = 2,6-10+14 ] |                |                                  |                |
| * Lymph Node, Mandibular                    |                | Hyperplasia                      | Lymphoid, Mild |
| * Nose                                      | Respirat Epith | Hyperplasia                      | Minimal        |
| * Preputial Gland                           |                | Inflammation                     | Minimal        |
| * Prostate                                  |                | Hemangiosarcoma                  |                |
|   |                |                                  |                |
| [ Hemangiosarcoma TGLs = 1-8 ]              |                |                                  |                |
| * Spleen                                    |                | Hematopoietic Cell Proliferation | Moderate       |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 98

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700200

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |            |                 |                   |
|------------------------|------------|-----------------|-------------------|
| * Stomach, Forestomach | Epithelium | Hyperplasia     | Lymphoid, Minimal |
|                        | Epithelium | Hyperkeratosis  | Minimal           |
|                        |            | Hyperplasia     | Mild              |
|                        |            | Inflammation    | Minimal           |
| * Testes               |            | Mineralization  | Minimal           |
| Tooth                  |            | Dysplasia       |                   |
| * Urinary Bladder      |            | Hemangiosarcoma |                   |

Animal Note: TGL 4 - NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                  |  |                          |                      |
|------------------|--|--------------------------|----------------------|
| * Adrenal Cortex | Subcapsular  | Hyperplasia              | Minimal              |
| * Bone Marrow    |  | Hyperplasia              | Moderate             |
| * Epididymis     |  | Infiltration Cellular    | Lymphoid, Minimal    |
| * Heart          |  | Cardiomyopathy           | Minimal              |
| * Kidney         |  | Mineralization           | Minimal              |
|                  |  | Nephropathy              | Minimal              |
| * Liver          |  | Clear Cell Focus         |                      |
|                  |  | Eosinophilic Focus       |                      |
|                  |  | Hepatoblastoma           |                      |
|                  |  | Hepatocellular Adenoma   | Multiple             |
|                  |  | Hepatocellular Carcinoma | Multiple             |
|                  |  | Inflammation             | Minimal              |
|                  | [ Hepatoblastoma TGLs = 3-12 ]                     |                          |                      |
|                  | [ Hepatocellular Adenoma TGLs = 4-13 ]             |                          |                      |
|                  | [ Hepatocellular Carcinoma TGLs = 1,2,5-10+11+14 ] |                          |                      |
| * Lung           |  | Hepatocellular Carcinoma | Metastatic (Liver)   |
| * Nose           | Respirat Epith                                     | Hyperplasia              | Mild                 |
|                  |  | Inflammation             | Minimal              |
|                  | Olfactory Epi                                      | Metaplasia               | Respiratory, Minimal |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 99

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700201

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                   |        |                                  |                      |
|-------------------|--------|----------------------------------|----------------------|
| * Preputial Gland | Glands | Metaplasia                       | Respiratory, Minimal |
| * Spleen          |        | Inflammation                     | Minimal              |
| Tooth             |        | Hematopoietic Cell Proliferation | Moderate             |
|                   |        | Dysplasia                        |                      |

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TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700202

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |        |                                  |                |
|------------------------|--------|----------------------------------|----------------|
| * Preputial Gland      |        | Ectasia                          | Marked         |
|                        |        | Inflammation                     | Minimal        |
| [ Ectasia TGLs = 1-8 ] |        |                                  |                |
| * Spleen               |        | Hematopoietic Cell Proliferation | Minimal        |
|                        |        | Hyperplasia                      | Lymphoid, Mild |
| * Thymus               |        | Hyperplasia                      | Lymphoid, Mild |
| * Thyroid Gland        | C Cell | Hyperplasia                      | Minimal        |
| Tooth                  |        | Dysplasia                        |                |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 639

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Pancreas               | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

|               |                          |                 |                     |
|---------------|--------------------------|-----------------|---------------------|
| * Gallbladder | * Lymph Node, Mesenteric | * Mammary Gland | * Parathyroid Gland |
|---------------|--------------------------|-----------------|---------------------|

OBSERVATIONS

|                      |  |                                  |          |
|----------------------|--|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                      | Minimal  |
| * Bone Marrow        |  | Hyperplasia                      | Mild     |
| * Islets, Pancreatic |  | Hyperplasia                      | Mild     |
| * Kidney             |  | Mineralization                   | Minimal  |
|                      |  | Nephropathy                      | Minimal  |
|                      |  | Pigmentation                     | Moderate |
| * Liver              |  | Clear Cell Focus                 |          |
|                      |  | Hepatoblastoma                   | Multiple |
|                      |  | Hepatocellular Adenoma           | Multiple |
|                      |  | Hepatocellular Carcinoma         | Multiple |
|                      |  | Hypertrophy                      | Mild     |
|                      | [ Hepatoblastoma TGLs = 1,3,5-10+12+14 ]           |                                  |          |
|                      | [ Hepatocellular Adenoma TGLs = 2-11 ]             |                                  |          |
|                      | [ Hepatocellular Carcinoma TGLs = 1,4,5-10+13+14 ] |                                  |          |
| * Nose               | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Mild     |
|                      | Respirat Epith                                     | Hyperplasia                      | Minimal  |
| * Preputial Gland    |  | Inflammation                     | Minimal  |
| * Spleen             |  | Hematopoietic Cell Proliferation | Marked   |
| Tooth                |  | Dysplasia                        |          |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 101

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 639

**DOSE:** 600 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700203

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatoblastoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 308

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700204

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Nose                      | * Parathyroid Gland      | * Pituitary Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Bone Marrow     |  | Hyperplasia                      | Moderate          |
| * Harderian Gland |  | Adenoma                          |                   |
| * Liver           |  | Hepatocellular Adenoma           |                   |
|                   |  | Hypertrophy                      | Moderate          |
|                   | [ Hepatocellular Adenoma TGLs = 2-11 ] |                                  |                   |
|                   | Lymph Node Inguinal                    | Hyperplasia                      | Lymphoid, Minimal |
| * Pancreas        |  | Atrophy                          | Moderate          |
|                   |  | Cyst                             | Marked            |
|                   | [ Cyst TGLs = 1-10 ]                   |                                  |                   |
| * Preputial Gland |  | Inflammation                     | Minimal           |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus          |  | Hyperplasia                      | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH - Pancreas Cyst

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Epididymis              |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thyroid Gland          | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |                |                           |                   |
|--|----------------|---------------------------|-------------------|
| * Adrenal Cortex   | Subcapsular    | Hyperplasia               | Minimal           |
| * Bone Marrow  |                | Atrophy                   | Moderate          |
| * Brain  |                | Neuroblastoma             |                   |
| Note: Neoplasm effaced the pituitary gland.<br>[ Neuroblastoma TGLs = 2-11 ] |                |                           |                   |
| * Islets, Pancreatic   |                | Hyperplasia               | Minimal           |
| * Kidney   |                | Mineralization            | Minimal           |
| * Liver  |                | Clear Cell Focus          |                   |
|  |                | Hepatocellular Adenoma    |                   |
|  |                | Hypertrophy               | Moderate          |
|  |                | Mixed Cell Focus          |                   |
|  |                | Vacuolization Cytoplasmic | Mild              |
| [ Clear Cell Focus TGLs = 1-10 ]<br>[ Hepatocellular Adenoma TGLs = 1-10 ]   |                |                           |                   |
| Lymph Node   | Bronchial      | Hyperplasia               | Lymphoid, Minimal |
| * Lymph Node, Mesenteric   |                | Hyperplasia               | Lymphoid, Mild    |
| * Nose   | Respirat Epith | Hyperplasia               | Minimal           |
| * Preputial Gland  |                | Inflammation              | Minimal           |
| * Prostate   |                | Hyperplasia               | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 453

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700205

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |            |                                  |                |
|------------------------|------------|----------------------------------|----------------|
| * Spleen               |            | Hematopoietic Cell Proliferation | Mild           |
| * Stomach, Forestomach | Epithelium | Hyperkeratosis                   | Moderate       |
|                        | Epithelium | Hyperplasia                      | Moderate       |
|                        |            | Inflammation                     | Moderate       |
| * Thymus               |            | Hyperplasia                      | Lymphoid, Mild |

PRIMARY CAUSE OF DEATH - Brain Neuroblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 575

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Brain                  |
| * Epididymis               | * Esophagus               | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    | * Nose                   |
| * Parathyroid Gland        | * Pituitary Gland         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Testes                  | * Thymus                    | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                          |                    |
|--------------------------|--|--------------------------|--------------------|
| * Adrenal Cortex         |  | Hepatoblastoma           | Metastatic (Liver) |
| * Bone Marrow            |  | Hyperplasia              | Mild               |
| * Eye                    | Cornea                                   | Hyperplasia              | Squamous, Moderate |
|                          | Cornea                                   | Inflammation             | Moderate           |
|                          | [ Hyperplasia TGLs = 2-9 ]               |                          |                    |
| * Harderian Gland        |  | Carcinoma                |                    |
|                          | [ Carcinoma TGLs = 1-9 ]                 |                          |                    |
| * Heart                  |  | Cardiomyopathy           | Minimal            |
| * Islets, Pancreatic     |  | Hyperplasia              | Mild               |
| * Kidney                 |  | Cyst                     | Minimal            |
|                          |  | Mineralization           | Minimal            |
|                          |  | Nephropathy              | Minimal            |
| * Liver                  |  | Basophilic Focus         |                    |
|                          |  | Eosinophilic Focus       |                    |
|                          |  | Hepatoblastoma           | Multiple           |
|                          |  | Hepatocellular Carcinoma | Multiple           |
|                          | [ Hepatoblastoma TGLs = 4,5,6-11+12+14 ] |                          |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 7-13 ] |                          |                    |
| * Lymph Node, Mesenteric |  | Hepatoblastoma           | Metastatic (Liver) |
|                          | [ Hepatoblastoma TGLs = 9-15 ]           |                          |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 575

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700206

ORGAN AND ACCOUNTABLE SITE STATUS

|   |                                  |                    |
|---|----------------------------------|--------------------|
| Mesentery<br>[ Hepatoblastoma TGLs = 3-10 ] | Hepatoblastoma                   | Metastatic (Liver) |
| * Pancreas                                  | Hepatoblastoma                   | Metastatic (Liver) |
| Peritoneum                                  | Inflammation                     | Moderate           |
| * Preputial Gland                           | Inflammation                     | Minimal            |
| * Prostate                                  | Inflammation                     | Minimal            |
| * Salivary Glands                           | Infiltration Cellular            | Lymphoid, Minimal  |
| * Seminal Vesicle                           | Hepatoblastoma                   | Metastatic (Liver) |
| * Spleen                                    | Hematopoietic Cell Proliferation | Minimal            |
| Tooth                                       | Dysplasia                        |                    |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 8-14 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                      |  |                                  |                    |
|----------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                            | Hyperplasia                      | Minimal            |
| * Bone Marrow        |  | Hyperplasia                      | Mild               |
| * Islets, Pancreatic |  | Hyperplasia                      | Moderate           |
| * Kidney             |  | Mineralization                   | Minimal            |
|                      |  | Nephropathy                      | Minimal            |
|                      |  | Pigmentation                     | Moderate           |
| * Liver              |  | Eosinophilic Focus               |                    |
|                      |  | Hematopoietic Cell Proliferation | Mild               |
|                      |  | Hepatoblastoma                   | Multiple           |
|                      |  | Hepatocellular Adenoma           |                    |
|                      |  | Hepatocellular Carcinoma         |                    |
|                      |  | Inflammation                     | Mild               |
|                      |  | Necrosis                         | Minimal            |
|                      | [ Hepatoblastoma TGLs = 1,2-10+11 ]    |                                  |                    |
|                      | [ Hepatocellular Adenoma TGLs = 4-12 ] |                                  |                    |
| * Lung               |  | Hepatoblastoma                   | Metastatic (Liver) |
| * Nose               | Olfactory Epi                          | Accumulation, Hyaline Droplet    | Minimal            |
|                      | Olfactory Epi                          | Pigmentation                     | Minimal            |
| * Preputial Gland    |  | Inflammation                     | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 105

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 632

**DOSE:** 600 mg/kg

**DISP:** Natural Death

**HISTO:** 0700207

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen

Hematopoietic Cell Proliferation

Moderate

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**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

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Animal Note: TLGs 3-11 = NCL

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TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |                |  |                    |
|----------------------|----------------|--|--------------------|
| * Adrenal Cortex     | Subcapsular    | Hyperplasia  | Minimal            |
| * Bone Marrow        |                | Hyperplasia  | Moderate           |
| * Heart              |                | Cardiomyopathy                                     | Minimal            |
| * Islets, Pancreatic |                | Hyperplasia  | Mild               |
| * Kidney             |                | Cyst   | Minimal            |
|                      |                | Mineralization                                     | Minimal            |
|                      |                | Nephropathy  | Minimal            |
|                      |                | Pigmentation                                       | Minimal            |
| * Liver              |                | Eosinophilic Focus                                 |                    |
|                      |                | Hepatoblastoma                                     | Multiple           |
|                      |                | Hepatocellular Adenoma                             | Multiple           |
|                      |                | Hepatocellular Carcinoma                           | Multiple           |
|                      |                | Hypertrophy  | Moderate           |
|                      |                | Inflammation                                       | Mild               |
|                      |                | [ Hepatoblastoma TGLs = 3,5-11+13 ]                |                    |
|                      |                | [ Hepatocellular Adenoma TGLs = 8-16 ]             |                    |
|                      |                | [ Hepatocellular Carcinoma TGLs = 2,4,5-10+12+15 ] |                    |
| * Lung               |                | Hepatoblastoma                                     | Metastatic (Liver) |
| * Nose               | Respirat Epith | Hyperplasia  | Minimal            |
| * Preputial Gland    |                | Ectasia  | Moderate           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700208

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |            |                                  |                   |
|-----------------------------|------------|----------------------------------|-------------------|
| [ Ectasia TGLs = 1-8 ]      |            | Inflammation                     | Mild              |
| * Salivary Glands           |            | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen                    |            | Hematopoietic Cell Proliferation | Mild              |
| * Stomach, Forestomach      | Epithelium | Hyperkeratosis                   | Moderate          |
|                             | Epithelium | Hyperplasia                      | Marked            |
|                             |            | Inflammation                     | Moderate          |
| [ Hyperplasia TGLs = 6-14 ] |            |                                  |                   |
| * Thymus                    |            | Hyperplasia                      | Lymphoid, Minimal |
| Tooth                       |            | Dysplasia                        |                   |

Animal Note: TGL 7 - NCL



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                      | Minimal           |
| * Bone Marrow            |   | Hyperplasia                      | Moderate          |
| * Heart                  |   | Cardiomyopathy                   | Minimal           |
| * Islets, Pancreatic     |   | Hyperplasia                      | Mild              |
| * Kidney                 |   | Mineralization                   | Minimal           |
|                          |   | Nephropathy                      | Minimal           |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Hepatocellular Carcinoma         | Multiple          |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5-10+11+12+13 ] |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mesenteric |   | Hyperplasia                      | Lymphoid, Mild    |
| * Nose                   | Olfactory Epi   | Accumulation, Hyaline Droplet    | Minimal           |
|                          | Respirat Epith  | Hyperplasia                      | Minimal           |
| * Preputial Gland        |   | Inflammation                     | Minimal           |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Mild              |
|                          |   | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach   | Epithelium  | Hyperkeratosis                   | Marked            |
|                          | Epithelium  | Hyperplasia                      | Marked            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700209

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ORGAN AND ACCOUNTABLE SITE STATUS

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|       |               |               |              |          |
|-------|---------------|---------------|--------------|----------|
|       |               | Epithelium    | Inflammation | Moderate |
|       | [ Hyperplasia | TGLs = 6-14 ] | Ulcer        | Minimal  |
| Tooth |               |               | Dysplasia    |          |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 572

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Brain                     | * Epididymis             |
| * Esophagus                | * Gallbladder             | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |                          |                                  |                              |
|----------------------|--------------------------|----------------------------------|------------------------------|
| * Adrenal Cortex     | Subcapsular              | Hyperplasia                      | Minimal                      |
| * Bone               | Turbinate                | Carcinoma                        | Metastatic (Harderian Gland) |
|                      | [ Carcinoma TGLs = 1-1 ] |                                  |                              |
| * Bone Marrow        |                          | Hyperplasia                      | Marked                       |
| * Eye                |                          | Cataract                         | Moderate                     |
|                      | Cornea                   | Hyperplasia                      | Squamous, Moderate           |
|                      | Cornea                   | Inflammation                     | Moderate                     |
| * Harderian Gland    |                          | Carcinoma                        |                              |
| * Islets, Pancreatic |                          | Hyperplasia                      | Moderate                     |
| * Kidney             |                          | Metaplasia                       | Osseous, Mild                |
|                      |                          | Mineralization                   | Minimal                      |
|                      |                          | Nephropathy                      | Minimal                      |
| * Liver              |                          | Eosinophilic Focus               |                              |
|                      |                          | Hematopoietic Cell Proliferation | Minimal                      |
|                      |                          | Hepatoblastoma                   |                              |
|                      |                          | Hepatocellular Adenoma           | Multiple                     |
|                      |                          | Hepatocellular Carcinoma         |                              |
|                      |                          | Hypertrophy                      | Moderate                     |
|                      |                          | Inflammation                     | Mild                         |
|                      |                          | Mixed Cell Focus                 |                              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 572

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700210

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |   |                                  |                              |
|--------------------------|---|----------------------------------|------------------------------|
|                          |   | Necrosis                         | Minimal                      |
|                          |   | Vacuolization Cytoplasmic        | Mild                         |
|                          | [ Eosinophilic Focus TGLs = 5-12 ]            |                                  |                              |
|                          | [ Hepatoblastoma TGLs = 4-12 ]                |                                  |                              |
|                          | [ Hepatocellular Adenoma TGLs = 2,6,7-10+13 ] |                                  |                              |
|                          | [ Hepatocellular Carcinoma TGLs = 3-11 ]      |                                  |                              |
| * Lung                   |   | Carcinoma                        | Metastatic (Harderian Gland) |
|                          | [ Carcinoma TGLs = 9-14 ]                     |                                  |                              |
| * Lymph Node, Mandibular |   | Carcinoma                        | Metastatic (Harderian Gland) |
|                          |   | Hyperplasia                      | Lymphoid, Mild               |
|                          | [ Carcinoma TGLs = 2-10 ]                     |                                  |                              |
| * Nose                   | Olfactory Epi                                 | Accumulation, Hyaline Droplet    | Marked                       |
|                          |   | Inflammation                     | Mild                         |
| * Preputial Gland        |   | Inflammation                     | Minimal                      |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate                     |
|                          |   | Hyperplasia                      | Lymphoid, Minimal            |
| Tooth                    |   | Dysplasia                        |                              |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Bone Turbinate Carcinoma Harderian Gland

Animal Note: TGL 8 - NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                      |   |                                  |          |
|----------------------|---|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal  |
| * Bone Marrow        |   | Hyperplasia                      | Moderate |
| * Heart              |   | Cardiomyopathy                   | Minimal  |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal  |
| * Kidney             |   | Mineralization                   | Minimal  |
|                      |   | Nephropathy                      | Minimal  |
|                      |   | Pigmentation                     | Moderate |
| * Liver              |   | Hepatoblastoma                   | Multiple |
|                      |   | Hepatocellular Carcinoma         | Multiple |
|                      |   | Hypertrophy                      | Moderate |
|                      |   | Inflammation                     | Mild     |
|                      | [ Hepatoblastoma TGLs = 1,4-11+13 ]           |                                  |          |
|                      | [ Hepatocellular Carcinoma TGLs = 2,3-10+12 ] |                                  |          |
| * Nose               | Respirat Epith                                | Hyperplasia                      | Minimal  |
| * Preputial Gland    |   | Inflammation                     | Minimal  |
| * Spleen             |   | Hematopoietic Cell Proliferation | Marked   |
| Tooth                |   | Dysplasia                        |          |

Animal Note: TGLs 5-13 = NCL

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 531

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thymus                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |          |
|----------------------|--|----------------------------------|----------|
| * Bone Marrow        |  | Hyperplasia                      | Mild     |
| * Heart              |  | Cardiomyopathy                   | Minimal  |
| * Islets, Pancreatic |  | Hyperplasia                      | Mild     |
| * Kidney             |  | Mineralization                   | Minimal  |
|                      |  | Nephropathy                      | Minimal  |
|                      |  | Pigmentation                     | Moderate |
| * Liver              |  | Eosinophilic Focus               |          |
|                      |  | Hepatoblastoma                   |          |
|                      |  | Hepatocellular Adenoma           | Multiple |
|                      |  | Inflammation                     | Mild     |
|                      |  | Vacuolization Cytoplasmic        | Minimal  |
|                      | [ Hepatoblastoma TGLs = 2-11 ]         |                                  |          |
|                      | [ Hepatocellular Adenoma TGLs = 1-10 ] |                                  |          |
| * Nose               | Respirat Epith                         | Hyperplasia                      | Minimal  |
| * Preputial Gland    |  | Inflammation                     | Minimal  |
| * Spleen             |  | Hematopoietic Cell Proliferation | Marked   |
| Tooth                |  | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 721

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | Tooth                       | * Trachea                | * Urinary Bladder          |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                      |  |                          |                     |
|----------------------|--|--------------------------|---------------------|
| * Adrenal Cortex     | Subcapsular                                | Hyperplasia              | Minimal             |
| * Bone Marrow        |  | Hyperplasia              | Mild                |
| * Islets, Pancreatic |  | Hyperplasia              | Mild                |
| * Kidney             |  | Cyst                     | Minimal             |
|                      |  | Mineralization           | Minimal             |
|                      |  | Nephropathy              | Minimal             |
|                      |  | Pigmentation             | Moderate            |
| * Liver              |  | Hepatoblastoma           | Multiple            |
|                      |  | Hepatocellular Carcinoma |                     |
|                      |  | Hypertrophy              | Moderate            |
|                      |  | Inflammation             | Mild                |
|                      |  | Necrosis                 | Moderate            |
|                      | [ Hepatoblastoma TGLs = 1,2,8-10+11+14 ]   |                          |                     |
|                      | [ Hepatocellular Carcinoma TGLs = 2,3-12 ] |                          |                     |
| * Lung               |  | Hepatoblastoma           | Metastatic (Liver)  |
|                      | Alveolus                                   | Infiltration Cellular    | Histiocyte, Minimal |
|                      | [ Hepatoblastoma TGLs = 5,6,7-13 ]         |                          |                     |
| * Nose               | Respirat Epith                             | Hyperplasia              | Minimal             |
|                      |  | Inflammation             | Minimal             |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 111

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 721

**DOSE:** 600 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700213

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Preputial Gland

Inflammation

Minimal

\* Spleen

Hematopoietic Cell Proliferation

Marked

**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

Animal Note: TGLs 4 = NCL



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          | * Prostate                |
| * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       | * Testes                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                      |   |                          |                      |
|----------------------|---|--------------------------|----------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia              | Minimal              |
| * Bone Marrow        |   | Hyperplasia              | Moderate             |
| * Heart              |   | Cardiomyopathy           | Minimal              |
| * Islets, Pancreatic |   | Hyperplasia              | Moderate             |
| * Kidney             |   | Mineralization           | Minimal              |
|                      |   | Nephropathy              | Minimal              |
| * Liver              |   | Eosinophilic Focus       |                      |
|                      |   | Hepatoblastoma           |                      |
|                      |   | Hepatocellular Adenoma   | Multiple             |
|                      |   | Hepatocellular Carcinoma | Multiple             |
|                      |   | Hypertrophy              | Moderate             |
|                      |   | Inflammation             | Mild                 |
|                      |   | Mixed Cell Focus         |                      |
|                      | [ Hepatoblastoma TGLs = 3-12 ]                |                          |                      |
|                      | [ Hepatocellular Adenoma TGLs = 4,5-13+14 ]   |                          |                      |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                          |                      |
| * Lung               |   | Hepatoblastoma           | Metastatic (Liver)   |
| * Nose               | Respirat Epith<br>Glands                      | Hyperplasia              | Minimal              |
|                      |   | Metaplasia               | Respiratory, Minimal |
| * Preputial Gland    |   | Inflammation             | Minimal              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700214

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                       |                                  |                   |
|------------------------|-----------------------|----------------------------------|-------------------|
| * Salivary Glands      |                       | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen               |                       | Hematopoietic Cell Proliferation | Mild              |
| * Stomach, Forestomach | Epithelium            | Hyperkeratosis                   | Moderate          |
|                        | Epithelium            | Hyperplasia                      | Marked            |
|                        |                       | Inflammation                     | Moderate          |
|                        | Epithelium            | Ulcer                            | Mild              |
|                        | [ Ulcer TGLs = 6-14 ] |                                  |                   |
| * Thymus               |                       | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland        | Follicle              | Hyperplasia                      | Minimal           |
| Tooth                  |                       | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 586

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                               |                     |
|----------------------|---|-------------------------------|---------------------|
| * Bone Marrow        |   | Hyperplasia                   | Moderate            |
| * Heart              |   | Cardiomyopathy                | Mild                |
| * Islets, Pancreatic |   | Hyperplasia                   | Mild                |
| * Kidney             |   | Mineralization                | Minimal             |
|                      |   | Nephropathy                   | Minimal             |
| * Liver              |   | Eosinophilic Focus            |                     |
|                      |   | Hepatocellular Adenoma        | Multiple            |
|                      |   | Hepatocellular Carcinoma      | Multiple            |
|                      |   | Inflammation                  | Moderate            |
|                      |   | Necrosis                      | Minimal             |
|                      | [ Eosinophilic Focus TGLs = 9-15 ]                      |                               |                     |
|                      | [ Hepatocellular Adenoma TGLs = 8,10-10+14 ]            |                               |                     |
|                      | [ Hepatocellular Carcinoma TGLs = 6,7-12+13 ]           |                               |                     |
| * Lung               |   | Hepatocellular Carcinoma      | Metastatic (Liver)  |
|                      | Alveolus  | Infiltration Cellular         | Histiocyte, Minimal |
|                      | [ Hepatocellular Carcinoma TGLs = 2,3,4,5,11-10+11+16 ] |                               |                     |
| * Nose               |   | Accumulation, Hyaline Droplet | Mild                |
|                      | Olfactory Epi   | Hyperplasia                   | Minimal             |
|                      | Respirat Epith  | Inflammation                  | Minimal             |
| * Preputial Gland    |   |                               |                     |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 113

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 586

**DOSE:** 600 mg/kg

**DISP:** Natural Death

**HISTO:** 0700215

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Spleen  
Tooth

Hematopoietic Cell Proliferation  
Dysplasia

Marked

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**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | Blood Vessel              | * Bone                      |
| * Brain                  | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | Tooth                       |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                      |                                  |                     |
|----------------------|----------------------------------|---------------------|
| * Bone Marrow        | Hyperplasia                      | Moderate            |
| * Epididymis         | Inflammation                     | Minimal             |
| * Harderian Gland    | Hyperplasia                      | Minimal             |
| * Heart              | Cardiomyopathy                   | Minimal             |
| * Islets, Pancreatic | Hyperplasia                      | Mild                |
| * Kidney             | Mineralization                   | Minimal             |
|                      | Nephropathy                      | Mild                |
|                      | Pigmentation                     | Moderate            |
| * Liver              | Basophilic Focus                 |                     |
|                      | Eosinophilic Focus               |                     |
|                      | Hematopoietic Cell Proliferation | Minimal             |
|                      | Hepatoblastoma                   | Multiple            |
|                      | Hepatocellular Carcinoma         |                     |
|                      | Hypertrophy                      | Moderate            |
|                      | Inflammation                     | Mild                |
|                      |                                  |                     |
|                      | Hepatoblastoma                   | Metastatic (Liver)  |
| * Lung               | Infiltration Cellular            | Histiocyte, Minimal |
|                      | Alveolus                         |                     |

[ Hepatoblastoma TGLs = 1,2,5-10+11+13 ]

[ Hepatocellular Carcinoma TGLs = 4-12 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 582

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700216

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                   |                |                                  |                      |
|-------------------|----------------|----------------------------------|----------------------|
| Lymph Node        | Mediastinal    | Inflammation                     | Minimal              |
| Mesentery         |                | Infiltration Cellular            | Histiocyte, Moderate |
| * Nose            | Respirat Epith | Inflammation                     | Mild                 |
| Peritoneum        |                | Hyperplasia                      | Minimal              |
| * Preputial Gland |                | Inflammation                     | Mild                 |
| * Prostate        |                | Inflammation                     | Minimal              |
| * Spleen          |                | Inflammation                     | Mild                 |
|                   |                | Hematopoietic Cell Proliferation | Marked               |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

Animal Note: TGLs 3-11 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 611

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                           |          |
|----------------------|---|---------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia               | Minimal  |
| * Bone Marrow        |   | Hyperplasia               | Mild     |
| * Heart              |   | Cardiomyopathy            | Minimal  |
|                      |   | Mineralization            | Minimal  |
| * Islets, Pancreatic |   | Hyperplasia               | Mild     |
| * Kidney             | Pelvis  | Cyst                      | Minimal  |
|                      |   | Dilatation                | Moderate |
|                      |   | Mineralization            | Minimal  |
|                      |   | Nephropathy               | Minimal  |
|                      |   | Pigmentation              | Minimal  |
|                      | [ Dilatation TGLs = 5-4 ]                     |                           |          |
| * Liver              |   | Hepatoblastoma            | Multiple |
|                      |   | Hepatocellular Carcinoma  | Multiple |
|                      |   | Hypertrophy               | Moderate |
|                      |   | Inflammation              | Mild     |
|                      |   | Necrosis                  | Mild     |
|                      |   | Vacuolization Cytoplasmic | Mild     |
|                      | [ Hepatoblastoma TGLs = 1,2-10+11 ]           |                           |          |
|                      | [ Hepatocellular Carcinoma TGLs = 3,4-12+13 ] |                           |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 611

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700217

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Lung                 |  | Alveolar/Bronchiolar Adenoma     |          |
|                        | [ Alveolar/Bronchiolar Adenoma TGLs = 6-14 ] |                                  |          |
| * Preputial Gland      |  | Inflammation                     | Minimal  |
| * Prostate             |  | Inflammation                     | Mild     |
| * Spleen               |  | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                                   | Hyperkeratosis                   | Marked   |
|                        | Epithelium                                   | Hyperplasia                      | Marked   |
|                        | Epithelium                                   | Inflammation                     | Moderate |
|                        | [ Ulcer TGLs = 7-15 ]                        | Ulcer                            | Mild     |
| Tooth                  |  | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 477

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   | * Thyroid Gland           |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |                                |                                  |                    |
|--------------------------|--------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                    | Hyperplasia                      | Minimal            |
| * Bone Marrow            |                                | Hyperplasia                      | Moderate           |
| * Harderian Gland        |                                | Hepatoblastoma                   | Metastatic (Liver) |
| * Islets, Pancreatic     |                                | Hyperplasia                      | Moderate           |
| * Kidney                 |                                | Nephropathy                      | Minimal            |
|                          |                                | Pigmentation                     | Moderate           |
| * Liver                  |                                | Basophilic Focus                 |                    |
|                          |                                | Clear Cell Focus                 |                    |
|                          |                                | Eosinophilic Focus               |                    |
|                          |                                | Hematopoietic Cell Proliferation | Minimal            |
|                          |                                | Hepatoblastoma                   |                    |
|                          |                                | Hypertrophy                      | Moderate           |
|                          | [ Hepatoblastoma TGLs = 1-10 ] |                                  |                    |
| Lymph Node               | Inguinal                       | Hyperplasia                      | Lymphoid, Minimal  |
| * Lymph Node, Mandibular |                                | Hyperplasia                      | Lymphoid, Mild     |
| * Nose                   | Respirat Epith                 | Hyperplasia                      | Minimal            |
| * Preputial Gland        |                                | Inflammation                     | Minimal            |
| * Spleen                 |                                | Hematopoietic Cell Proliferation | Marked             |
| * Thymus                 |                                | Hyperplasia                      | Lymphoid, Mild     |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 116

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 477

**DOSE:** 600 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700218

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

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TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                      |  |                          |                    |
|----------------------|--|--------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                                    | Hyperplasia              | Minimal            |
| * Bone Marrow        |  | Hyperplasia              | Mild               |
| * Epididymis         |  | Infiltration Cellular    | Lymphoid, Minimal  |
| * Islets, Pancreatic |  | Hyperplasia              | Minimal            |
| * Kidney             |  | Nephropathy              | Minimal            |
| * Liver              |  | Hepatoblastoma           | Multiple           |
|                      |  | Hepatocellular Adenoma   | Multiple           |
|                      |  | Hepatocellular Carcinoma | Multiple           |
|                      | Hepatocyte                                     | Hyperplasia              | Moderate           |
|                      |  | Hypertrophy              | Moderate           |
|                      |  | Necrosis                 | Mild               |
|                      | [ Hepatoblastoma TGLs = 2-10 ]                 |                          |                    |
|                      | [ Hepatocellular Adenoma TGLs = 4-11 ]         |                          |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 3,6-11+13 ]  |                          |                    |
|                      | [ Hyperplasia TGLs = 5-12 ]                    |                          |                    |
| * Lung               |  | Hepatocellular Carcinoma | Metastatic (Liver) |
|                      | Alveolar Epith                                 | Hyperplasia              | Marked             |
|                      | [ Hepatocellular Carcinoma TGLs = 9,10-10+12 ] |                          |                    |
| * Nose               | Respirat Epith                                 | Hyperplasia              | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700219

ORGAN AND ACCOUNTABLE SITE STATUS

|                            |               |                                  |          |
|----------------------------|---------------|----------------------------------|----------|
| * Preputial Gland          | Olfactory Epi | Pigmentation                     | Minimal  |
| * Seminal Vesicle          |               | Inflammation                     | Moderate |
| [ Dilatation TGLs = 1-7 ]  |               | Dilatation                       | Marked   |
| * Skin                     | Dermis        | Fibrosis                         | Marked   |
|                            | Epidermis     | Hyperplasia                      | Marked   |
|                            | Dermis        | Inflammation                     | Moderate |
|                            | Epidermis     | Ulcer                            | Moderate |
| [ Ulcer TGLs = 7,8-14+15 ] |               |                                  |          |
| * Spleen                   |               | Hematopoietic Cell Proliferation | Marked   |
| Tooth                      |               | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                           |                          |                            |
|--------------------------|---------------------------|--------------------------|----------------------------|
| * Adrenal Medulla        | Blood Vessel              | * Bone                   | * Brain                    |
| * Epididymis             | * Esophagus               | * Gallbladder            | * Intestine Large, Cecum   |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                   | * Lymph Node, Mesenteric  | * Pancreas               | * Pituitary Gland          |
| * Prostate               | * Salivary Glands         | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach   | * Stomach, Glandular      | * Testes                 | * Thyroid Gland            |
| * Trachea                | * Urinary Bladder         |                          |                            |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|   |             |                          |          |
|---|-------------|--------------------------|----------|
| * Adrenal Cortex  | Subcapsular | Hyperplasia              | Minimal  |
| * Bone Marrow   |             | Hyperplasia              | Moderate |
| * Eye   |             | Atrophy                  | Marked   |
| Note: Lesion compatible with phthisis bulbi<br>[ Atrophy TGLs = 2-9 ] |             |                          |          |
| * Harderian Gland   |             | Adenoma                  |          |
| [ Adenoma TGLs = 1-9 ]  |             |                          |          |
| * Heart   |             | Cardiomyopathy           | Minimal  |
| * Intestine Small, Duodenum   |             | Carcinoma                |          |
| [ Carcinoma TGLs = 8-14 ]   |             |                          |          |
| * Islets, Pancreatic  |             | Hyperplasia              | Mild     |
| * Kidney  |             | Mineralization           | Mild     |
|   |             | Nephropathy              | Mild     |
|   |             | Pigmentation             | Mild     |
| * Liver   |             | Eosinophilic Focus       |          |
|   |             | Hepatoblastoma           |          |
|   |             | Hepatocellular Adenoma   | Multiple |
|   |             | Hepatocellular Carcinoma | Multiple |
|   |             | Inflammation             | Minimal  |
| [ Hepatoblastoma TGLs = 4-11 ]  |             |                          |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700220

ORGAN AND ACCOUNTABLE SITE STATUS

[ Hepatocellular Adenoma TGLs = 4,6,7-11+13+14 ]

[ Hepatocellular Carcinoma TGLs = 3,5-10+12 ]

|                          |                |                                  |                   |
|--------------------------|----------------|----------------------------------|-------------------|
| * Lymph Node, Mandibular |                | Hyperplasia                      | Lymphoid, Mild    |
| * Nose                   | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild              |
|                          | Respirat Epith | Hyperplasia                      | Minimal           |
| * Preputial Gland        |                | Inflammation                     | Minimal           |
| * Spleen                 |                | Hematopoietic Cell Proliferation | Marked            |
| * Thymus                 |                | Hyperplasia                      | Lymphoid, Minimal |
| Tooth                    |                | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

**ANIMAL ID:** 119

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 698

**DOSE:** 600 mg/kg

**DISP:** Natural Death

**HISTO:** 0700221

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                      |  |                          |                  |
|----------------------|--|--------------------------|------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia              | Minimal          |
| * Bone Marrow        |  | Hyperplasia              | Moderate         |
| * Harderian Gland    |  | Carcinoma                |                  |
|                      | [ Carcinoma TGLs = 4-9 ]                           |                          |                  |
| * Islets, Pancreatic |  | Hyperplasia              | Mild             |
| * Kidney             |  | Cyst                     | Minimal          |
|                      |  | Metaplasia               | Osseous, Minimal |
|                      |  | Nephropathy              | Minimal          |
| * Liver              |  | Eosinophilic Focus       |                  |
|                      |  | Hepatoblastoma           | Multiple         |
|                      |  | Hepatocellular Adenoma   | Multiple         |
|                      |  | Hepatocellular Carcinoma | Multiple         |
|                      |  | Hypertrophy              | Moderate         |
|                      |  | Inflammation             | Mild             |
|                      |  | Necrosis                 | Mild             |
|                      | [ Eosinophilic Focus TGLs = 1-10 ]                 |                          |                  |
|                      | [ Hepatoblastoma TGLs = 2,6-11+14 ]                |                          |                  |
|                      | [ Hepatocellular Adenoma TGLs = 3,6-03+12 ]        |                          |                  |
|                      | [ Hepatocellular Carcinoma TGLs = 3,4,5-12+13+14 ] |                          |                  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700221

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |                             |                                  |                      |
|--------------------------|-----------------------------|----------------------------------|----------------------|
| * Lymph Node, Mandibular |                             | Infiltration Cellular            | Histiocyte, Moderate |
| * Nose                   | Respirat Epith              | Hyperplasia                      | Minimal              |
|                          |                             | Inflammation                     | Mild                 |
| * Preputial Gland        |                             | Inflammation                     | Minimal              |
| * Spleen                 |                             | Hematopoietic Cell Proliferation | Marked               |
| * Stomach, Forestomach   | Epithelium                  | Hyperkeratosis                   | Moderate             |
|                          | Epithelium                  | Hyperplasia                      | Mild                 |
|                          |                             | Inflammation                     | Mild                 |
|                          | [ Hyperplasia TGLs = 8-15 ] |                                  |                      |
| Tooth                    |                             | Dysplasia                        |                      |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 629

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Prostate                |
| * Seminal Vesicle           | * Skin                   | * Testes                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                          |   |                                  |                    |
|--------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                      | Minimal            |
| * Bone Marrow            |   | Hyperplasia                      | Moderate           |
| * Islets, Pancreatic     |   | Hyperplasia                      | Minimal            |
| * Kidney                 |   | Mineralization                   | Minimal            |
|                          |   | Nephropathy                      | Minimal            |
|                          |   | Pigmentation                     | Moderate           |
| * Liver                  |   | Hepatoblastoma                   | Multiple           |
|                          |   | Hepatocellular Carcinoma         | Multiple           |
|                          |   | Hypertrophy                      | Moderate           |
|                          |   | Inflammation                     | Mild               |
|                          | [ Hepatoblastoma TGLs = 1,4-10+13 ]                   |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 2,3,5-11+12+13+14 ] |                                  |                    |
| * Lung                   |   | Hepatoblastoma                   | Metastatic (Liver) |
|                          |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Mild     |
| * Nose                   | Respirat Epith  | Hyperplasia                      | Minimal            |
| * Preputial Gland        |   | Inflammation                     | Minimal            |
| * Salivary Glands        |   | Infiltration Cellular            | Lymphoid, Minimal  |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate           |
| * Stomach, Forestomach   | Epithelium  | Hyperkeratosis                   | Marked             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 629

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700222

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |            |              |                   |
|-----------------------------|------------|--------------|-------------------|
|                             | Epithelium | Hyperplasia  | Marked            |
|                             |            | Inflammation | Marked            |
|                             | Epithelium | Ulcer        | Mild              |
| [ Hyperplasia TGLs = 6-15 ] |            |              |                   |
| * Stomach, Glandular        | Epithelium | Hyperplasia  | Moderate          |
| * Thymus                    |            | Hyperplasia  | Lymphoid, Minimal |
| Tooth                       |            | Dysplasia    |                   |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 490

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                          |                           |                             |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel             | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus              | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Lung                   | * Lymph Node, Mesenteric  | * Nose                      |
| * Pancreas               | * Parathyroid Gland      | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle        | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                 | * Thyroid Gland           | Tooth                       |
| * Trachea                | * Urinary Bladder        |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |                          |                           |                   |
|----------------------------|--------------------------|---------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular              | Hyperplasia               | Minimal           |
| * Bone Marrow              |                          | Hyperplasia               | Moderate          |
| * Eye                      | Cornea                   | Hyperplasia               | Squamous, Mild    |
|                            | Cornea                   | Inflammation              | Mild              |
| * Harderian Gland          |                          | Carcinoma                 |                   |
|                            | [ Carcinoma TGLs = 1-9 ] |                           |                   |
| * Intestine Small, Jejunum |                          | Hyperplasia               | Lymphoid, Minimal |
| * Islets, Pancreatic       |                          | Hyperplasia               | Mild              |
| * Kidney                   |                          | Nephropathy               | Minimal           |
| * Liver                    |                          | Clear Cell Focus          |                   |
|                            |                          | Eosinophilic Focus        |                   |
|                            |                          | Erythrophagocytosis       | Mild              |
|                            |                          | Hepatocellular Adenoma    | Multiple          |
|                            |                          | Hepatocellular Carcinoma  |                   |
|                            |                          | Hypertrophy               | Marked            |
|                            |                          | Inflammation              | Minimal           |
|                            |                          | Mixed Cell Focus          |                   |
|                            |                          | Necrosis                  | Minimal           |
|                            |                          | Vacuolization Cytoplasmic | Moderate          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 490

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700223

ORGAN AND ACCOUNTABLE SITE STATUS

[ Clear Cell Focus TGLs = 3-4+5 ]  
[ Eosinophilic Focus TGLs = 3-11 ]  
[ Hepatocellular Carcinoma TGLs = 2,3-10+11 ]  
[ Mixed Cell Focus TGLs = 3-5+11 ]

|                          |                                  |                |
|--------------------------|----------------------------------|----------------|
| * Lymph Node, Mandibular | Hyperplasia                      | Lymphoid, Mild |
| * Preputial Gland        | Inflammation                     | Minimal        |
| * Spleen                 | Hematopoietic Cell Proliferation | Moderate       |
| * Thymus                 | Hyperplasia                      | Lymphoid, Mild |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Esophagus               | * Eye                       | * Gallbladder            | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung                   |
| * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland        |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                   |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Trachea                |
| * Urinary Bladder         |                             |                          |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |   |                          |                   |
|----------------------------|---|--------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular   | Hyperplasia              | Minimal           |
| * Bone Marrow              |   | Hyperplasia              | Moderate          |
| * Epididymis               |   | Infiltration Cellular    | Lymphoid, Minimal |
| * Harderian Gland          |   | Hyperplasia              | Mild              |
| * Heart                    |   | Cardiomyopathy           | Minimal           |
| * Intestine Large, Cecum   |   | Hyperplasia              | Lymphoid, Minimal |
| * Intestine Small, Jejunum |   | Hyperplasia              | Lymphoid, Mild    |
| * Islets, Pancreatic       |   | Hyperplasia              | Mild              |
| * Kidney                   |   | Nephropathy              | Minimal           |
| * Liver                    |   | Clear Cell Focus         |                   |
|                            |   | Eosinophilic Focus       |                   |
|                            |   | Erythrophagocytosis      | Mild              |
|                            |   | Hepatocellular Carcinoma | Multiple          |
|                            |   | Hypertrophy              | Moderate          |
|                            |   | Inflammation             | Mild              |
|                            |   | Mixed Cell Focus         |                   |
|                            | [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5-10+11+12+13 ] |                          |                   |
| * Lymph Node, Mandibular   |   | Hyperplasia              | Lymphoid, Mild    |
| * Nose                     | Respirat Epith  | Hyperplasia              | Minimal           |
| * Preputial Gland          |   | Inflammation             | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700224

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                          |                                  |                   |
|------------------------|--------------------------|----------------------------------|-------------------|
| * Spleen               |                          | Hematopoietic Cell Proliferation | Moderate          |
|                        |                          | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium               | Hyperplasia                      | Mild              |
| * Thyroid Gland        | C Cell                   | Carcinoma                        |                   |
|                        | [ Carcinoma TGLs = 6-3 ] |                                  |                   |
| Tooth                  |                          | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Moderate |
| * Bone Marrow          |  | Hyperplasia                      | Moderate |
| * Islets, Pancreatic   |  | Hyperplasia                      | Mild     |
| * Kidney               |  | Mineralization                   | Mild     |
|                        |  | Nephropathy                      | Minimal  |
|                        |  | Pigmentation                     | Mild     |
| * Liver                |  | Eosinophilic Focus               |          |
|                        |  | Hepatoblastoma                   | Multiple |
|                        |  | Hepatocellular Carcinoma         | Multiple |
|                        |  | Inflammation                     | Mild     |
|                        |  | Necrosis                         | Moderate |
|                        |  | Vacuolization Cytoplasmic        | Minimal  |
|                        | [ Hepatoblastoma TGLs = 2,4-11+13 ]                  |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 1,3,5,6-10+12+14 ] |                                  |          |
|                        | [ Necrosis TGLs = 5-10+11+12+13+14 ]                 |                                  |          |
| * Pituitary Gland      | Pars Distalis  | Hyperplasia                      | Mild     |
| * Preputial Gland      |  | Inflammation                     | Minimal  |
| * Spleen               |  | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Mild     |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 123

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** 600 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700225

**ORGAN AND ACCOUNTABLE SITE STATUS**

|       |            |                          |      |
|-------|------------|--------------------------|------|
| Tooth | Epithelium | Hyperplasia<br>Dysplasia | Mild |
|-------|------------|--------------------------|------|

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

Animal Note: TGLs 7 = NCL



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Testes                    | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                        |                      |
|--------------------------|---|------------------------|----------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia            | Minimal              |
| * Bone Marrow            |   | Hyperplasia            | Moderate             |
| * Heart                  |   | Cardiomyopathy         | Minimal              |
| * Islets, Pancreatic     |   | Hyperplasia            | Minimal              |
| * Kidney                 |   | Mineralization         | Minimal              |
|                          |   | Nephropathy            | Minimal              |
| * Liver                  |   | Eosinophilic Focus     |                      |
|                          |   | Erythrophagocytosis    | Minimal              |
|                          |   | Hepatocellular Adenoma | Multiple             |
|                          |   | Hypertrophy            | Mild                 |
|                          |   | Inflammation           | Minimal              |
|                          |   | Mixed Cell Focus       |                      |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13 ] |                        |                      |
|                          | Lymph Node  | Hyperplasia            | Lymphoid, Mild       |
| * Lymph Node, Mandibular | Inguinal  | Hyperplasia            | Lymphoid, Mild       |
| * Nose                   | Respirat Epith  | Hyperplasia            | Minimal              |
|                          | Glands  | Metaplasia             | Respiratory, Minimal |
| * Preputial Gland        |   | Ectasia                | Moderate             |
|                          |   | Inflammation           | Minimal              |

[ Ectasia TGLs = 6-8 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700226

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                   |
|------------------------|-----------------------------|----------------------------------|-------------------|
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate          |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Marked            |
|                        | Epithelium                  | Hyperplasia                      | Marked            |
|                        |                             | Inflammation                     | Marked            |
|                        |                             | Mineralization                   | Mild              |
|                        | Epithelium                  | Ulcer                            | Mild              |
|                        | [ Hyperplasia TGLs = 7-14 ] |                                  |                   |
| * Stomach, Glandular   | Epithelium                  | Hyperplasia                      | Mild              |
|                        |                             | Mineralization                   | Mild              |
| * Thymus               |                             | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland        | Follicular Cel              | Adenoma                          |                   |
|                        | Follicle                    | Hyperplasia                      | Mild              |
| Tooth                  |                             | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 672

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                    |
|----------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow        |   | Hyperplasia                      | Moderate           |
| * Islets, Pancreatic |   | Hyperplasia                      | Mild               |
| * Kidney             |   | Mineralization                   | Minimal            |
|                      |   | Nephropathy                      | Minimal            |
|                      |   | Pigmentation                     | Moderate           |
| * Liver              |   | Eosinophilic Focus               |                    |
|                      |   | Hematopoietic Cell Proliferation | Minimal            |
|                      |   | Hepatoblastoma                   | Multiple           |
|                      |   | Hepatocellular Carcinoma         | Multiple           |
|                      | Bile Duct                                     | Hyperplasia                      | Minimal            |
|                      |   | Inflammation                     | Mild               |
|                      | [ Hepatoblastoma TGLs = 1,3,4-10+12 ]         |                                  |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 2,5-11+13 ] |                                  |                    |
| * Lung               |   | Hepatoblastoma                   | Metastatic (Liver) |
|                      | Alveolus                                      | Infiltration Cellular            | Histiocyte, Mild   |
|                      |   | Pigmentation                     | Minimal            |
|                      | [ Hepatoblastoma TGLs = 6,7,8,9-14+15+16 ]    |                                  |                    |
| Lymph Node           | Inguinal                                      | Hyperplasia                      | Lymphoid, Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 125

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 672

**DOSE:** 600 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700227

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                   |                |                                  |         |
|-------------------|----------------|----------------------------------|---------|
| * Nose            | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild    |
|                   | Respirat Epith | Hyperplasia                      | Minimal |
| * Preputial Gland |                | Inflammation                     | Minimal |
| * Spleen          |                | Hematopoietic Cell Proliferation | Marked  |
| * Thyroid Gland   |                | Cyst                             |         |
| Tooth             |                | Dysplasia                        |         |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 184

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Nose                   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Prostate               |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach   |
| * Stomach, Glandular      | * Testes                    | * Thyroid Gland          | Tooth                    |
| * Trachea                 | * Urinary Bladder           |                          |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |  |                                  |                   |
|----------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular                                  | Hyperplasia                      | Minimal           |
| * Bone Marrow              |  | Hyperplasia                      | Moderate          |
| * Intestine Small, Jejunum |  | Hyperplasia                      | Lymphoid, Minimal |
| * Liver                    |  | Clear Cell Focus                 |                   |
|                            |  | Necrosis                         | Minimal           |
|                            |  | Vacuolization Cytoplasmic        | Moderate          |
|                            | [ Vacuolization Cytoplasmic TGLs = 1-3+4+5 ] |                                  |                   |
| * Lymph Node, Mesenteric   |  | Hyperplasia                      | Lymphoid, Mild    |
| * Preputial Gland          |  | Inflammation                     | Minimal           |
| * Spleen                   |  | Hematopoietic Cell Proliferation | Mild              |
| * Thymus                   |  | Hyperplasia                      | Lymphoid, Mild    |

PRIMARY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                   | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                    | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Nose                   | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate               | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Forestomach   | * Stomach, Glandular      |
| * Testes                    | * Thyroid Gland          | * Trachea                | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |             |                           |                   |
|----------------------------|-------------|---------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular | Hyperplasia               | Minimal           |
| * Bone Marrow              |             | Hyperplasia               | Moderate          |
| * Heart                    |             | Cardiomyopathy            | Minimal           |
| * Intestine Small, Jejunum |             | Hyperplasia               | Lymphoid, Minimal |
| * Islets, Pancreatic       |             | Hyperplasia               | Minimal           |
| * Kidney                   |             | Mineralization            | Minimal           |
|                            |             | Nephropathy               | Minimal           |
| * Liver                    |             | Clear Cell Focus          |                   |
|                            |             | Erythrophagocytosis       | Minimal           |
|                            |             | Hepatoblastoma            |                   |
|                            |             | Hepatocellular Adenoma    |                   |
|                            |             | Hepatocellular Carcinoma  | Multiple          |
|                            |             | Hypertrophy               | Moderate          |
|                            |             | Inflammation              | Minimal           |
|                            |             | Vacuolization Cytoplasmic | Mild              |

[ Hepatoblastoma TGLs = 1-10 ]

[ Hepatocellular Adenoma TGLs = 6-15 ]

[ Hepatocellular Carcinoma TGLs = 2,3,4,5-11+12+13+14 ]

\* Lung Alveolar/Bronchiolar Carcinoma

[ Alveolar/Bronchiolar Carcinoma TGLs = 7-16 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 127

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700229

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                          |          |                                  |                   |
|--------------------------|----------|----------------------------------|-------------------|
| Lymph Node               | Inguinal | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mandibular |          | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mesenteric |          | Hyperplasia                      | Lymphoid, Minimal |
| * Preputial Gland        |          | Inflammation                     | Minimal           |
| * Spleen                 |          | Hematopoietic Cell Proliferation | Mild              |
| * Thymus                 |          | Hyperplasia                      | Lymphoid, Minimal |
| Tooth                    |          | Dysplasia                        |                   |

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700230

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Thyroid Gland           |
| * Trachea                   | * Urinary Bladder        |                            |                           |

**MISSING**

\* Mammary Gland

**INSUFFICIENT TISSUE**

\* Prostate

**OBSERVATIONS**

|                      |             |                          |                  |
|----------------------|-------------|--------------------------|------------------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia              | Minimal          |
| * Bone Marrow        |             | Hyperplasia              | Mild             |
| * Harderian Gland    |             | Hyperplasia              | Minimal          |
| * Islets, Pancreatic |             | Hyperplasia              | Minimal          |
| * Kidney             |             | Metaplasia               | Osseous, Minimal |
|                      |             | Nephropathy              | Minimal          |
|                      |             | Pigmentation             | Moderate         |
| * Liver              |             | Eosinophilic Focus       |                  |
|                      |             | Hepatoblastoma           | Multiple         |
|                      |             | Hepatocellular Adenoma   | Multiple         |
|                      |             | Hepatocellular Carcinoma | Multiple         |
|                      |             | Hypertrophy              | Moderate         |
|                      |             | Inflammation             | Mild             |

[ Hepatoblastoma TGLs = 1,4-10+12 ]

[ Hepatocellular Adenoma TGLs = 4-12 ]

[ Hepatocellular Carcinoma TGLs = 2,3,6-11+12+14 ]

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700230

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                                  |                   |
|-----------------------------|----------------|----------------------------------|-------------------|
| Lymph Node                  | Inguinal       | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                      | Respirat Epith | Hyperplasia                      | Minimal           |
| * Preputial Gland           |                | Inflammation                     | Minimal           |
| * Spleen                    |                | Hematopoietic Cell Proliferation | Marked            |
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis                   | Marked            |
|                             | Epithelium     | Hyperplasia                      | Marked            |
|                             |                | Inflammation                     | Moderate          |
|                             | Epithelium     | Ulcer                            | Minimal           |
| [ Hyperplasia TGLs = 5-13 ] |                |                                  |                   |
| Tooth                       |                | Dysplasia                        |                   |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Prostate                |
| * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       | * Testes                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                           |                    |
|--------------------------|---|---------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia               | Minimal            |
| * Bone Marrow            |   | Hyperplasia               | Moderate           |
| * Heart                  |   | Cardiomyopathy            | Minimal            |
| * Islets, Pancreatic     |   | Hyperplasia               | Mild               |
| * Kidney                 |   | Infiltration Cellular     | Lymphoid, Mild     |
|                          |   | Mineralization            | Minimal            |
|                          |   | Nephropathy               | Minimal            |
| * Liver                  |   | Clear Cell Focus          |                    |
|                          |   | Eosinophilic Focus        |                    |
|                          |   | Hepatoblastoma            | Multiple           |
|                          |   | Hepatocellular Adenoma    | Multiple           |
|                          |   | Hepatocellular Carcinoma  | Multiple           |
|                          |   | Hypertrophy               | Moderate           |
|                          |   | Inflammation              | Mild               |
|                          |   | Vacuolization Cytoplasmic | Minimal            |
|                          | [ Hepatoblastoma TGLs = 2,4-11+13 ]           |                           |                    |
|                          | [ Hepatocellular Adenoma TGLs = 6-14 ]        |                           |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1,3-10+12 ] |                           |                    |
| * Lung                   |   | Hepatoblastoma            | Metastatic (Liver) |
| * Lymph Node, Mandibular |   | Hyperplasia               | Lymphoid, Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700231

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                   |
|------------------------|-----------------------------|----------------------------------|-------------------|
| * Nose                 | Olfactory Epi               | Accumulation, Hyaline Droplet    | Moderate          |
|                        | Respirat Epith              | Hyperplasia                      | Minimal           |
| * Preputial Gland      |                             | Inflammation                     | Mild              |
| * Salivary Glands      |                             | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate          |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate          |
|                        | Epithelium                  | Hyperplasia                      | Marked            |
|                        |                             | Inflammation                     | Marked            |
|                        | Epithelium                  | Ulcer                            | Mild              |
|                        | [ Hyperplasia TGLs = 6-15 ] |                                  |                   |
| * Thymus               |                             | Hyperplasia                      | Lymphoid, Mild    |
| Tooth                  |                             | Dysplasia                        |                   |

Animal Note: TGLs 5 = NCL



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700232

ORGAN AND ACCOUNTABLE SITE STATUS

|                                  |                |                                  |                   |
|----------------------------------|----------------|----------------------------------|-------------------|
| [ Alveolar/Bronchiolar Carcinoma | TGLs = 7-3 ]   |                                  |                   |
| Lymph Node                       | Inguinal       | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mandibular         |                | Hyperplasia                      | Lymphoid, Mild    |
| * Nose                           | Respirat Epith | Hyperplasia                      | Minimal           |
| * Preputial Gland                |                | Ectasia                          | Marked            |
|                                  |                | Inflammation                     | Minimal           |
| [ Ectasia                        | TGLs = 6-8 ]   |                                  |                   |
| * Seminal Vesicle                |                | Hyperplasia                      | Minimal           |
| * Spleen                         |                | Hematopoietic Cell Proliferation | Mild              |
|                                  |                | Hyperplasia                      | Lymphoid, Mild    |
| * Testes                         | Interstit Cell | Adenoma                          |                   |
| [ Adenoma                        | TGLs = 8-7 ]   |                                  |                   |
| * Thymus                         |                | Hyperplasia                      | Lymphoid, Minimal |
| Tooth                            |                | Dysplasia                        |                   |



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700233

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Preputial Gland      | Respirat Epith              | Hyperplasia                      | Minimal  |
| * Spleen               |                             | Inflammation                     | Minimal  |
| * Stomach, Forestomach |                             | Hematopoietic Cell Proliferation | Marked   |
|                        | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Marked   |
|                        |                             | Inflammation                     | Mild     |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |          |
| Tooth                  |                             | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Glandular      | * Testes                    | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                      | Minimal           |
|                          |  | Hypertrophy                      | Minimal           |
| * Bone Marrow            |  | Hyperplasia                      | Mild              |
| * Islets, Pancreatic     |  | Hyperplasia                      | Mild              |
| * Kidney                 |  | Mineralization                   | Minimal           |
|                          |  | Nephropathy                      | Minimal           |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         | Multiple          |
|                          |  | Inflammation                     | Mild              |
|                          |  | Mixed Cell Focus                 |                   |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,5-10+11+14 ] |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 3,4-12+13 ]    |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Mild    |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Olfactory Epi                                    | Accumulation, Hyaline Droplet    | Minimal           |
|                          | Respirat Epith                                   | Hyperplasia                      | Mild              |
| * Preputial Gland        |  | Inflammation                     | Minimal           |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Mild              |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700234

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |            |   |  |
|------------------------|------------|---|--|
| * Stomach, Forestomach | Epithelium | Hyperplasia<br>Hyperplasia<br>Infiltration Cellular | Lymphoid, Mild<br>Minimal<br>Mast Cell, Moderate |
| * Thymus               |            | Hyperplasia   | Lymphoid, Mild                                   |
| Tooth                  |            | Dysplasia   |  |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 572

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                   | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                    | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Kidney                 | * Lung                    |
| * Lymph Node, Mandibular    | * Pancreas               | * Parathyroid Gland      | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle        | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                 | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|   |                |                                  |                    |
|---|----------------|----------------------------------|--------------------|
| * Adrenal Cortex                                      | Subcapsular    | Hyperplasia                      | Minimal            |
| * Bone Marrow   |                | Hyperplasia                      | Moderate           |
| * Heart   |                | Cardiomyopathy                   | Minimal            |
| * Intestine Small, Jejunum                            |                | Inflammation                     | Marked             |
| [ Inflammation TGLs = 5-14 ]                          |                |                                  |                    |
| * Islets, Pancreatic                                  |                | Hyperplasia                      | Minimal            |
| * Liver   |                | Eosinophilic Focus               |                    |
|   |                | Hematopoietic Cell Proliferation | Minimal            |
|   |                | Hepatocellular Adenoma           | Multiple           |
|   |                | Hepatocellular Carcinoma         | Multiple           |
|   |                | Inflammation                     | Mild               |
|   |                | Necrosis                         | Mild               |
| [ Hepatocellular Adenoma TGLs = 3-12 ]                |                |                                  |                    |
| [ Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12+15 ] |                |                                  |                    |
| * Lymph Node, Mesenteric                              |                | Hyperplasia                      | Lymphoid, Moderate |
|   |                | Inflammation                     | Moderate           |
| [ Inflammation TGLs = 4-13 ]                          |                |                                  |                    |
| Mesentery   |                | Inflammation                     | Mild               |
| * Nose  | Respirat Epith | Hyperplasia                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 133

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 572

**DOSE:** 600 mg/kg

**DISP:** Natural Death

**HISTO:** 0700235

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                   |                |                                  |         |
|-------------------|----------------|----------------------------------|---------|
| * Preputial Gland |                | Inflammation                     | Minimal |
| * Spleen          |                | Hematopoietic Cell Proliferation | Marked  |
| * Thyroid Gland   | Follicle       | Hyperplasia                      | Minimal |
|                   | Follicular Cel | Hypertrophy                      | Mild    |
| Tooth             |                | Dysplasia                        |         |

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

Animal Note: TGL 6 - NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                           |                             |                          |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla        | Blood Vessel              | * Bone                      | * Brain                  |
| * Esophagus              | * Eye                     | * Gallbladder               | * Harderian Gland        |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric  | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland        | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                   | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland          | * Trachea                 | * Urinary Bladder           |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |   |                                  |                    |
|----------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow              |   | Hyperplasia                      | Marked             |
| * Epididymis               |   | Infiltration Cellular            | Lymphoid, Minimal  |
| * Heart                    |   | Cardiomyopathy                   | Minimal            |
| * Intestine Large, Cecum   |   | Hyperplasia                      | Lymphoid, Mild     |
| * Intestine Small, Jejunum |   | Carcinoma                        |                    |
|                            | [ Carcinoma TGLs = 7-15 ]                     |                                  |                    |
| * Islets, Pancreatic       |   | Hyperplasia                      | Moderate           |
| * Kidney                   |   | Cyst                             | Minimal            |
|                            |   | Mineralization                   | Minimal            |
|                            |   | Nephropathy                      | Minimal            |
| * Liver                    |   | Basophilic Focus                 |                    |
|                            |   | Eosinophilic Focus               |                    |
|                            |   | Hematopoietic Cell Proliferation | Mild               |
|                            |   | Hepatoblastoma                   | Multiple           |
|                            |   | Hepatocellular Carcinoma         | Multiple           |
|                            |   | Inflammation                     | Mild               |
|                            | [ Hepatoblastoma TGLs = 1,3,5-10+12+13 ]      |                                  |                    |
|                            | [ Hepatocellular Carcinoma TGLs = 2,6-11+14 ] |                                  |                    |
| * Lung                     |   | Hepatocellular Carcinoma         | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700236

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                       |                             |
|------------------------|-----------------------------|---------------------------------------|-----------------------------|
|                        | Alveolus                    | Infiltration Cellular<br>Inflammation | Histiocyte, Minimal<br>Mild |
| * Nose                 | Respirat Epith              | Hyperplasia                           | Minimal                     |
| * Preputial Gland      |                             | Inflammation                          | Minimal                     |
| * Spleen               |                             | Hematopoietic Cell Proliferation      | Marked                      |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                        | Moderate                    |
|                        | Epithelium                  | Hyperplasia                           | Moderate                    |
|                        |                             | Inflammation                          | Minimal                     |
|                        | [ Hyperplasia TGLs = 8-16 ] |                                       |                             |
| Tooth                  |                             | Dysplasia                             |                             |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

Animal Note: TGLs 4 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                            |                          |                           |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel               | * Bone                   | * Brain                   |
| * Epididymis                | * Esophagus                | * Eye                    | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland          | * Prostate               | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                     | * Stomach, Glandular     | * Testes                  |
| * Thymus                    | * Trachea                  | * Urinary Bladder        |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |             |                                |                    |
|--------------------------|-------------|--------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular | Hyperplasia                    | Minimal            |
| * Bone Marrow            |             | Hyperplasia                    | Moderate           |
| * Heart                  |             | Cardiomyopathy                 | Minimal            |
| * Intestine Small, Ileum | Epithelium  | Hyperplasia                    | Mild               |
|                          |             | Inflammation                   | Mild               |
| * Islets, Pancreatic     |             | Hyperplasia                    | Mild               |
| * Kidney                 |             | Mineralization                 | Minimal            |
|                          |             | Nephropathy                    | Minimal            |
|                          |             | Pigmentation                   | Minimal            |
| * Liver                  |             | Clear Cell Focus               |                    |
|                          |             | Eosinophilic Focus             |                    |
|                          |             | Erythrophagocytosis            | Minimal            |
|                          |             | Hepatoblastoma                 | Multiple           |
|                          |             | Hepatocellular Carcinoma       | Multiple           |
|                          |             | Hypertrophy                    | Moderate           |
|                          |             | Inflammation                   | Mild               |
|                          |             | Alveolar/Bronchiolar Carcinoma |                    |
|                          |             | Hepatocellular Carcinoma       | Metastatic (Liver) |

[ Hepatoblastoma TGLs = 3,4,7-11+12+14 ]

[ Hepatocellular Carcinoma TGLs = 5-13 ]

\* Lung

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700237

ORGAN AND ACCOUNTABLE SITE STATUS

|   |   |                                       |                                |
|---|---|---------------------------------------|--------------------------------|
|   | Alveolus                                      | Infiltration Cellular<br>Inflammation | Histiocyte, Minimal<br>Minimal |
|   | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-3 ] |                                       |                                |
|   | Lymph Node                                    | Hyperplasia                           | Lymphoid, Minimal              |
| * | Lymph Node, Mandibular                        | Hyperplasia                           | Lymphoid, Minimal              |
| * | Nose  | Accumulation, Hyaline Droplet         | Mild                           |
|   | Olfactory Epi                                 | Hyperplasia                           | Minimal                        |
| * | Preputial Gland                               | Inflammation                          | Mild                           |
| * | Spleen  | Hematopoietic Cell Proliferation      | Moderate                       |
|   | [ Lymphoma Malignant TGLs = 1-10 ]            |                                       |                                |
| * | Stomach, Forestomach                          | Hyperkeratosis                        | Marked                         |
|   | Epithelium                                    | Hyperplasia                           | Marked                         |
|   | Epithelium                                    | Inflammation                          | Mild                           |
| * | Thyroid Gland                                 | Adenoma                               |                                |
|   | Follicular Cel                                | Hyperplasia                           | Minimal                        |
|   | Follicular Cel                                | Hypertrophy                           |                                |
|   | Tooth   | Dysplasia                             |                                |

Animal Note: TGLs 2-11 = NCL

Animal Note: TGLs 8-15 = NCL

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 527

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

- \* Mammary Gland

OBSERVATIONS

|                          |   |                                  |                    |
|--------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                     | Hyperplasia                      | Minimal            |
| * Bone Marrow            |   | Hyperplasia                      | Moderate           |
| * Heart                  |   | Cardiomyopathy                   | Minimal            |
| * Kidney                 |   | Inflammation                     | Minimal            |
|                          |   | Nephropathy                      | Minimal            |
|                          |   | Pigmentation                     | Mild               |
| * Liver                  |   | Hematopoietic Cell Proliferation | Minimal            |
|                          |   | Hepatoblastoma                   |                    |
|                          |   | Hypertrophy                      | Marked             |
|                          |   | Inflammation                     | Minimal            |
|                          |   | Necrosis                         | Mild               |
|                          | Vein  | Thrombosis                       |                    |
|                          |   | Vacuolization Cytoplasmic        | Moderate           |
|                          | [ Hepatoblastoma TGLs = 3-10 ]                  |                                  |                    |
| * Lung                   |   | Hepatoblastoma                   | Metastatic (Liver) |
| * Lymph Node, Mesenteric |   | Hyperplasia                      | Lymphoid, Minimal  |
| * Preputial Gland        |   | Inflammation                     | Minimal            |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Marked             |
|                          | [ Hematopoietic Cell Proliferation TGLs = 2-4 ] |                                  |                    |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 136

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 527

**DOSE:** 600 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700238

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                    |
|----------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow        |   | Hyperplasia                      | Mild               |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal            |
| * Kidney             |   | Mineralization                   | Minimal            |
|                      |   | Nephropathy                      | Mild               |
|                      |   | Pigmentation                     | Moderate           |
| * Liver              |   | Eosinophilic Focus               |                    |
|                      |   | Hematopoietic Cell Proliferation | Minimal            |
|                      |   | Hepatoblastoma                   | Multiple           |
|                      |   | Hepatocellular Carcinoma         |                    |
|                      |   | Hypertrophy                      | Moderate           |
|                      |   | Inflammation                     | Mild               |
|                      | [ Hepatoblastoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 5-14 ]      |                                  |                    |
| * Lung               |   | Hepatoblastoma                   | Metastatic (Liver) |
|                      |   | Inflammation                     | Minimal            |
| Lymph Node           | Inguinal                                      | Hyperplasia                      | Lymphoid, Minimal  |
| * Nose               | Respirat Epith                                | Hyperplasia                      | Minimal            |
| * Preputial Gland    |   | Inflammation                     | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 137

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700239

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Spleen  
Tooth

Hematopoietic Cell Proliferation  
Dysplasia

Marked

---



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700240

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                |                                  |                   |
|------------------------|----------------|----------------------------------|-------------------|
| * Nose                 | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild              |
|                        | Respirat Epith | Hyperplasia                      | Minimal           |
| * Preputial Gland      |                | Inflammation                     | Mild              |
| * Spleen               |                | Hematopoietic Cell Proliferation | Moderate          |
| * Stomach, Forestomach | Epithelium     | Hyperkeratosis                   | Minimal           |
|                        | Epithelium     | Hyperplasia                      | Minimal           |
| * Thymus               |                | Hyperplasia                      | Lymphoid, Minimal |
| Tooth                  |                | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Epididymis              |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |             |                          |          |
|----------------------|-------------|--------------------------|----------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia              | Minimal  |
|                      |             | Hypertrophy              | Minimal  |
| * Bone               |             | Hyperplasia              | Minimal  |
| * Bone Marrow        |             | Hyperplasia              | Moderate |
| * Islets, Pancreatic |             | Hyperplasia              | Mild     |
| * Kidney             |             | Mineralization           | Minimal  |
|                      |             | Nephropathy              | Minimal  |
|                      |             | Pigmentation             | Mild     |
| * Liver              |             | Clear Cell Focus         |          |
|                      |             | Eosinophilic Focus       |          |
|                      |             | Erythrophagocytosis      | Minimal  |
|                      |             | Hepatoblastoma           | Multiple |
|                      |             | Hepatocellular Adenoma   | Multiple |
|                      |             | Hepatocellular Carcinoma |          |
|                      |             | Hypertrophy              | Moderate |
|                      |             | Inflammation             | Mild     |
|                      |             | Mixed Cell Focus         |          |

[ Hepatoblastoma TGLs = 1,2,3,5-10+11+12+14 ]

[ Hepatocellular Carcinoma TGLs = 4-13 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700241

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |   |                                  |                     |
|------------------------|---|----------------------------------|---------------------|
| * Lung                 |   | Alveolar/Bronchiolar Adenoma     |                     |
|                        |   | Hepatoblastoma                   | Metastatic (Liver)  |
|                        | Alveolus                                | Infiltration Cellular            | Histiocyte, Minimal |
| Lymph Node             | Inguinal                                | Hyperplasia                      | Lymphoid, Minimal   |
| * Nose                 | Respirat Epith                          | Hyperplasia                      | Minimal             |
| * Preputial Gland      |   | Inflammation                     | Minimal             |
| * Prostate             |   | Infiltration Cellular            | Lymphoid, Minimal   |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked              |
| * Stomach, Forestomach |   | Squamous Cell Papilloma          |                     |
|                        | [ Squamous Cell Papilloma TGLs = 6-15 ] |                                  |                     |
| Tooth                  |   | Dysplasia                        |                     |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 700

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |   |                                  |                   |
|------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular                                     | Hyperplasia                      | Minimal           |
| * Bone Marrow          |   | Hyperplasia                      | Moderate          |
| * Heart                |   | Cardiomyopathy                   | Minimal           |
| * Kidney               |   | Pigmentation                     | Mild              |
| * Liver                |   | Hepatoblastoma                   | Multiple          |
|                        |   | Hepatocellular Adenoma           |                   |
|                        |   | Hepatocellular Carcinoma         | Multiple          |
|                        |   | Inflammation                     | Mild              |
|                        |   | Necrosis                         | Mild              |
|                        | [ Hepatoblastoma TGLs = 1,2-10+11 ]             |                                  |                   |
|                        | [ Hepatocellular Adenoma TGLs = 2-11 ]          |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 3,4,5-12+13 ] |                                  |                   |
| Lymph Node             | Inguinal  | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                 | Respirat Epith                                  | Hyperplasia                      | Minimal           |
| * Preputial Gland      |   | Inflammation                     | Minimal           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked            |
| * Stomach, Forestomach | Epithelium                                      | Hyperkeratosis                   | Marked            |
|                        | Epithelium                                      | Hyperplasia                      | Marked            |
|                        |   | Inflammation                     | Moderate          |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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**ANIMAL ID:** 140

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 700

**DOSE:** 600 mg/kg

**DISP:** Natural Death

**HISTO:** 0700242

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|       |                             |           |          |
|-------|-----------------------------|-----------|----------|
|       | Epithelium                  | Ulcer     | Moderate |
|       | [ Hyperplasia TGLs = 6-14 ] |           |          |
|       | [ Ulcer TGLs = 6-14 ]       |           |          |
| Tooth |                             | Dysplasia |          |

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**PRIMARY CAUSE OF DEATH** - Liver Hepatoblastoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 7

DOSE: 600 mg/kg

DISP: Accidentally Killed

HISTO: 0700243

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Nose                   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Preputial Gland        |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thyroid Gland          |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                          |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                            |          |                                  |                   |
|----------------------------|----------|----------------------------------|-------------------|
| * Bone                     | Vertebra | Fracture                         |                   |
| [ Fracture TGLs = 1-10 ]   |          |                                  |                   |
| * Bone Marrow              |          | Hyperplasia                      | Moderate          |
| * Intestine Small, Jejunum |          | Hyperplasia                      | Lymphoid, Minimal |
| * Liver                    |          | Eosinophilic Focus               |                   |
|                            |          | Inflammation                     | Minimal           |
| * Lymph Node, Mesenteric   |          | Hyperplasia                      | Lymphoid, Mild    |
| Peripheral Nerve           | Spinal   | Hemorrhage                       | Moderate          |
| Skeletal Muscle            |          | Hemorrhage                       | Moderate          |
| * Spleen                   |          | Hematopoietic Cell Proliferation | Mild              |
| * Thymus                   |          | Hyperplasia                      | Lymphoid, Mild    |

PRIMARY CAUSE OF DEATH

- Bone Vertebra Fracture



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700244

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-14 ] |                                  |                    |
|                          | [ Hepatoblastoma TGLs = 6-14 ]                 |                                  |                    |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Moderate |
| * Nose                   | Respirat Epith                                 | Hyperplasia                      | Minimal            |
| * Preputial Gland        |  | Inflammation                     | Minimal            |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate           |
| * Stomach, Forestomach   | Epithelium                                     | Hyperkeratosis                   | Marked             |
|                          | Epithelium                                     | Hyperplasia                      | Marked             |
|                          |  | Inflammation                     | Moderate           |
|                          | [ Hyperplasia TGLs = 7-15 ]                    |                                  |                    |
| * Stomach, Glandular     | Epithelium                                     | Hyperplasia                      | Mild               |
| * Thyroid Gland          | Follicle                                       | Hyperplasia                      | Minimal            |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Testes                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                          |                     |
|----------------------|--|--------------------------|---------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia              | Minimal             |
| * Bone Marrow        |  | Hyperplasia              | Minimal             |
| * Heart              |  | Cardiomyopathy           | Minimal             |
| * Islets, Pancreatic |  | Hyperplasia              | Minimal             |
| * Kidney             |  | Mineralization           | Minimal             |
|                      |  | Nephropathy              | Minimal             |
|                      |  | Pigmentation             | Mild                |
| * Liver              |  | Eosinophilic Focus       |                     |
|                      |  | Hepatoblastoma           |                     |
|                      |  | Hepatocellular Adenoma   | Multiple            |
|                      |  | Hepatocellular Carcinoma | Multiple            |
|                      |  | Hypertrophy              | Marked              |
|                      |  | Inflammation             | Mild                |
|                      | [ Hepatoblastoma TGLs = 1-11 ]                     |                          |                     |
|                      | [ Hepatocellular Adenoma TGLs = 3,4,5-10+13+14 ]   |                          |                     |
|                      | [ Hepatocellular Carcinoma TGLs = 2,3,4-10+12+13 ] |                          |                     |
| * Lung               | Alveolus   | Infiltration Cellular    | Histiocyte, Minimal |
| Lymph Node           | Inguinal   | Hyperplasia              | Lymphoid, Minimal   |
| * Nose               | Respirat Epith                                     | Hyperplasia              | Minimal             |
| * Preputial Gland    |  | Inflammation             | Minimal             |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 143

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700245

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |            |                                  |                   |
|------------------------|------------|----------------------------------|-------------------|
| * Prostate             |            | Inflammation                     | Minimal           |
| * Spleen               |            | Hematopoietic Cell Proliferation | Mild              |
|                        |            | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium | Hyperkeratosis                   | Minimal           |
|                        | Epithelium | Hyperplasia                      | Minimal           |
| * Stomach, Glandular   | Epithelium | Hyperplasia                      | Minimal           |
| * Thymus               |            | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland        |            | Ultimobranchial Cyst             |                   |
| Tooth                  |            | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 705

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Stomach, Glandular        |
| * Testes                 | * Thymus                   | * Thyroid Gland           | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                      |             |                                  |          |
|----------------------|-------------|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia                      | Minimal  |
| * Bone Marrow        |             | Hyperplasia                      | Moderate |
| * Heart              |             | Cardiomyopathy                   | Minimal  |
|                      |             | Mineralization                   | Minimal  |
| * Islets, Pancreatic |             | Hyperplasia                      | Mild     |
| * Kidney             |             | Mineralization                   | Minimal  |
|                      |             | Nephropathy                      | Minimal  |
|                      |             | Pigmentation                     | Mild     |
| * Liver              |             | Eosinophilic Focus               |          |
|                      |             | Hematopoietic Cell Proliferation | Minimal  |
|                      |             | Hepatoblastoma                   | Multiple |
|                      |             | Hepatocellular Adenoma           | Multiple |
|                      |             | Inflammation                     | Mild     |
|                      |             | Mixed Cell Focus                 |          |
|                      |             | Necrosis                         | Mild     |
|                      |             | Vacuolization Cytoplasmic        | Minimal  |

[ Hepatoblastoma TGLs = 1,2,3,4,5,6-10+11+12+13+14+15 ]

[ Hepatocellular Adenoma TGLs = 6,7-15+16 ]

[ Mixed Cell Focus TGLs = 6-15 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 705

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700246

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                    |
|------------------------|-----------------------------|----------------------------------|--------------------|
| * Lung                 |                             | Hepatoblastoma                   | Metastatic (Liver) |
| * Nose                 | Olfactory Epi               | Accumulation, Hyaline Droplet    | Minimal            |
|                        | Respirat Epith              | Hyperplasia                      | Minimal            |
| * Preputial Gland      |                             | Inflammation                     | Minimal            |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked             |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Minimal            |
|                        | Epithelium                  | Hyperplasia                      | Mild               |
|                        |                             | Inflammation                     | Minimal            |
|                        | [ Hyperplasia TGLs = 8-17 ] |                                  |                    |
| Tooth                  |                             | Dysplasia                        |                    |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

**ANIMAL ID:** 145

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 727

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700247

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Testes                  |
| * Thymus                    | * Trachea                | * Urinary Bladder          |                           |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                          |   |                              |                    |
|--------------------------|---|------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia                  | Minimal            |
| * Bone Marrow            |   | Hyperplasia                  | Mild               |
| * Heart                  |   | Cardiomyopathy               | Mild               |
| * Islets, Pancreatic     |   | Hyperplasia                  | Minimal            |
| * Kidney                 |   | Mineralization               | Mild               |
|                          |   | Nephropathy                  | Moderate           |
|                          |   | Pigmentation                 | Moderate           |
| * Liver                  |   | Clear Cell Focus             |                    |
|                          |   | Eosinophilic Focus           |                    |
|                          |   | Erythrophagocytosis          | Minimal            |
|                          |   | Hepatoblastoma               | Multiple           |
|                          |   | Hepatocellular Carcinoma     | Multiple           |
|                          |   | Hypertrophy                  | Minimal            |
|                          |   | Inflammation                 | Minimal            |
|                          | [ Hepatoblastoma TGLs = 1,2,3-10+11+12 ]      |                              |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 4,5-13+14 ] |                              |                    |
| * Lung                   |   | Alveolar/Bronchiolar Adenoma |                    |
|                          |   | Hepatoblastoma               | Metastatic (Liver) |
|                          |   | Hepatocellular Carcinoma     | Metastatic (Liver) |
| * Lymph Node, Mandibular |   | Hyperplasia                  | Lymphoid, Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700247

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |  |  |  |
|------------------------|--|--|--|
| * Nose                 | Olfactory Epi<br>Respirat Epith                        | Accumulation, Hyaline Droplet<br>Hyperplasia<br>Inflammation | Mild<br>Minimal<br>Minimal               |
| * Preputial Gland      |  | Inflammation   | Minimal                                  |
| * Spleen               |  | Hematopoietic Cell Proliferation                             | Marked                                   |
| * Stomach, Forestomach | Epithelium<br>Epithelium<br>Epithelium                 | Erosion<br>Hyperkeratosis<br>Hyperplasia<br>Inflammation     | Marked<br>Moderate<br>Marked<br>Moderate |
|                        | [ Erosion TGLs = 6-15 ]<br>[ Hyperplasia TGLs = 6-15 ] |  |  |
| * Stomach, Glandular   | Epithelium   | Hyperplasia  | Minimal                                  |
| * Thyroid Gland        | Follicle   | Hyperplasia  | Minimal                                  |
| Tooth                  |  | Dysplasia  |  |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |             |                          |                  |
|----------------------|-------------|--------------------------|------------------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia              | Minimal          |
| * Bone Marrow        |             | Hemangioma               |                  |
|                      |             | Hyperplasia              | Mild             |
| * Heart              |             | Cardiomyopathy           | Minimal          |
| * Islets, Pancreatic |             | Hyperplasia              | Mild             |
| * Kidney             |             | Cyst                     | Minimal          |
|                      |             | Metaplasia               | Osseous, Minimal |
|                      |             | Mineralization           | Minimal          |
|                      |             | Nephropathy              | Minimal          |
|                      |             | Pigmentation             | Minimal          |
| * Liver              |             | Eosinophilic Focus       |                  |
|                      |             | Erythrophagocytosis      | Minimal          |
|                      |             | Hepatoblastoma           |                  |
|                      |             | Hepatocellular Adenoma   | Multiple         |
|                      |             | Hepatocellular Carcinoma | Multiple         |
|                      |             | Hypertrophy              | Marked           |
|                      |             | Inflammation             | Mild             |
|                      |             | Mixed Cell Focus         |                  |

[ Hepatoblastoma TGLs = 2-10 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700248

ORGAN AND ACCOUNTABLE SITE STATUS

|                            |                         |                                  |          |
|----------------------------|-------------------------|----------------------------------|----------|
| [ Hepatocellular Adenoma   | TGLs = 4,5,6-12+13+14 ] |                                  |          |
| [ Hepatocellular Carcinoma | TGLs = 3-11 ]           |                                  |          |
| * Preputial Gland          |                         | Ectasia                          | Moderate |
|                            |                         | Inflammation                     | Minimal  |
| [ Ectasia                  | TGLs = 1-8 ]            |                                  |          |
| * Spleen                   |                         | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach     | Epithelium              | Hyperkeratosis                   | Marked   |
|                            | Epithelium              | Hyperplasia                      | Moderate |
|                            |                         | Inflammation                     | Moderate |
|                            | Epithelium              | Ulcer                            | Moderate |
| [ Ulcer                    | TGLs = 7-15 ]           |                                  |          |
| Tooth                      |                         | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Minimal           |
| * Bone Marrow            |  | Hyperplasia                      | Mild              |
| * Heart                  |  | Cardiomyopathy                   | Minimal           |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal           |
| * Kidney                 |  | Cyst                             | Minimal           |
|                          |  | Mineralization                   | Minimal           |
|                          |  | Nephropathy                      | Minimal           |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Hematopoietic Cell Proliferation | Minimal           |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         |                   |
|                          |  | Hypertrophy                      | Mild              |
|                          |  | Inflammation                     | Minimal           |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |                   |
| Lymph Node               | Inguinal   | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Mild    |
| * Preputial Gland        |  | Ectasia                          | Moderate          |
|                          |  | Inflammation                     | Mild              |
|                          | [ Ectasia TGLs = 6-8 ]                                     |                                  |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700249

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                |
|------------------------|-----------------------------|----------------------------------|----------------|
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked         |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate       |
|                        | Epithelium                  | Hyperplasia                      | Marked         |
|                        |                             | Inflammation                     | Moderate       |
|                        | Epithelium                  | Ulcer                            | Mild           |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |                |
|                        | [ Ulcer TGLs = 7-15 ]       |                                  |                |
| * Thymus               |                             | Hyperplasia                      | Lymphoid, Mild |
| * Thyroid Gland        | Follicle                    | Hyperplasia                      | Minimal        |
| Tooth                  |                             | Dysplasia                        |                |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

**ANIMAL ID:** 148

**TRT#:** 5  
**DOSE:** 600 mg/kg

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 681  
**HISTO:** 0700250

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Testes                    | * Thymus                 | * Thyroid Gland            |
| * Trachea                 | * Urinary Bladder           |                          |                            |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                      |                |  |          |
|----------------------|----------------|--|----------|
| * Adrenal Cortex     | Subcapsular    | Adenoma                                  |          |
| * Bone Marrow        |                | Hyperplasia                              | Moderate |
| * Islets, Pancreatic |                | Hyperplasia                              | Minimal  |
| * Kidney             |                | Mineralization                           | Minimal  |
|                      |                | Nephropathy                              | Minimal  |
|                      |                | Pigmentation                             | Moderate |
| * Liver              |                | Hepatoblastoma                           | Multiple |
|                      |                | Hepatocellular Adenoma                   |          |
|                      |                | Hepatocellular Carcinoma                 | Multiple |
|                      |                | Hypertrophy                              | Moderate |
|                      |                | Inflammation                             | Mild     |
|                      |                | Necrosis                                 | Moderate |
|                      |                | Vacuolization Cytoplasmic                | Mild     |
|                      |                | [ Hepatoblastoma TGLs = 1,2-10+11 ]      |          |
|                      |                | [ Hepatocellular Adenoma TGLs = 3-12 ]   |          |
|                      |                | [ Hepatocellular Carcinoma TGLs = 5-14 ] |          |
|                      |                | [ Necrosis TGLs = 4-13 ]                 |          |
| * Lung               |                | Alveolar/Bronchiolar Adenoma             |          |
| * Nose               | Respirat Epith | Hyperplasia                              | Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700250

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |            |                                  |         |
|-----------------------------|------------|----------------------------------|---------|
| * Preputial Gland           |            | Inflammation                     | Mild    |
| * Spleen                    |            | Hematopoietic Cell Proliferation | Marked  |
| * Stomach, Forestomach      | Epithelium | Hyperplasia                      | Marked  |
| [ Hyperplasia TGLs = 6-15 ] |            |                                  |         |
| * Stomach, Glandular        | Epithelium | Hyperplasia                      | Mild    |
|                             |            | Inflammation                     | Minimal |
| Tooth                       |            | Dysplasia                        |         |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Testes                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                |                    |
|----------------------|---|--------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia                    | Minimal            |
|                      |   | Hypertrophy                    | Moderate           |
| * Bone Marrow        |   | Hyperplasia                    | Moderate           |
| * Harderian Gland    |   | Infiltration Cellular          | Lymphoid, Minimal  |
| * Heart              |   | Cardiomyopathy                 | Minimal            |
| * Islets, Pancreatic |   | Hyperplasia                    | Mild               |
| * Kidney             |   | Mineralization                 | Minimal            |
|                      |   | Nephropathy                    | Minimal            |
| * Liver              |   | Basophilic Focus               |                    |
|                      |   | Clear Cell Focus               |                    |
|                      |   | Eosinophilic Focus             |                    |
|                      |   | Erythrophagocytosis            | Minimal            |
|                      |   | Hepatocellular Adenoma         | Multiple           |
|                      |   | Hepatocellular Carcinoma       | Multiple           |
|                      |   | Hypertrophy                    | Marked             |
|                      |   | Inflammation                   | Minimal            |
|                      | [ Hepatocellular Adenoma TGLs = 1-10 ]                  |                                |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 2,3,4,5-11+12+13+14 ] |                                |                    |
| * Lung               |   | Alveolar/Bronchiolar Carcinoma |                    |
|                      |   | Hepatocellular Carcinoma       | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700251

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                                  |                |                                       |                             |
|----------------------------------|----------------|---------------------------------------|-----------------------------|
|                                  | Alveolus       | Infiltration Cellular<br>Inflammation | Histiocyte, Minimal<br>Mild |
| [ Alveolar/Bronchiolar Carcinoma | TGLs = 6-3 ]   |                                       |                             |
| Lymph Node                       | Inguinal       | Hyperplasia                           | Lymphoid, Mild              |
| * Nose                           | Respirat Epith | Hyperplasia                           | Minimal                     |
| * Preputial Gland                |                | Inflammation                          | Minimal                     |
| * Spleen                         |                | Hematopoietic Cell Proliferation      | Mild                        |
| * Stomach, Forestomach           | Epithelium     | Hyperkeratosis                        | Marked                      |
|                                  | Epithelium     | Hyperplasia                           | Marked                      |
|                                  |                | Inflammation                          | Moderate                    |
|                                  | Epithelium     | Ulcer                                 | Moderate                    |
| [ Hyperplasia TGLs = 7-15 ]      |                |                                       |                             |
| [ Ulcer TGLs = 7-15 ]            |                |                                       |                             |
| * Stomach, Glandular             | Epithelium     | Hyperplasia                           | Mild                        |
| * Thymus                         |                | Hyperplasia                           | Lymphoid, Minimal           |
| Tooth                            |                | Dysplasia                             |                             |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 665

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                  |  |                               |                    |
|------------------|--|-------------------------------|--------------------|
| * Adrenal Cortex | Subcapsular  | Hyperplasia                   | Minimal            |
| * Bone Marrow    |  | Hyperplasia                   | Moderate           |
| * Kidney         |  | Mineralization                | Minimal            |
|                  |  | Nephropathy                   | Minimal            |
|                  |  | Pigmentation                  | Mild               |
| * Liver          |  | Hepatoblastoma                | Multiple           |
|                  |  | Hepatocellular Adenoma        |                    |
|                  |  | Hepatocellular Carcinoma      | Multiple           |
|                  |  | Hypertrophy                   | Mild               |
|                  |  | Inflammation                  | Minimal            |
|                  |  | Necrosis                      | Moderate           |
|                  | [ Hepatoblastoma TGLs = 1-10 ]                     |                               |                    |
|                  | [ Hepatocellular Adenoma TGLs = 4-13 ]             |                               |                    |
|                  | [ Hepatocellular Carcinoma TGLs = 2,3,5-11+12+14 ] |                               |                    |
| * Lung           |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| Lymph Node       | Inguinal   | Hyperplasia                   | Lymphoid, Minimal  |
| * Nose           | Olfactory Epi                                      | Accumulation, Hyaline Droplet | Minimal            |
|                  | Respirat Epith                                     | Hyperplasia                   | Minimal            |
|                  |  | Inflammation                  | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 665

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700252

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
|                        | Olfactory Epi               | Pigmentation                     | Minimal  |
| * Preputial Gland      |                             | Inflammation                     | Minimal  |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Moderate |
|                        |                             | Inflammation                     | Moderate |
|                        | Epithelium                  | Ulcer                            | Mild     |
|                        | [ Hyperplasia TGLs = 6-15 ] |                                  |          |
|                        | [ Ulcer TGLs = 6-15 ]       |                                  |          |
| * Thyroid Gland        | Follicle                    | Hyperplasia                      | Minimal  |
| Tooth                  |                             | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 597

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Prostate                 | * Salivary Glands         | * Seminal Vesicle           | * Skin                   |
| * Stomach, Glandular       | * Testes                  | * Thymus                    | Tooth                    |
| * Trachea                  | * Urinary Bladder         |                             |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Bone Marrow          |  | Hyperplasia                      | Mild     |
| * Kidney               |  | Mineralization                   | Minimal  |
|                        |  | Pigmentation                     | Moderate |
| * Liver                |  | Hepatoblastoma                   | Multiple |
|                        |  | Hepatocellular Carcinoma         |          |
|                        |  | Inflammation                     | Mild     |
|                        |  | Necrosis                         | Mild     |
|                        | [ Hepatoblastoma TGLs = 1,3,4-10+12+13 ] |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 1-11 ] |                                  |          |
| * Nose                 | Respirat Epith                           | Hyperplasia                      | Minimal  |
| * Preputial Gland      |  | Inflammation                     | Minimal  |
| * Spleen               |  | Hematopoietic Cell Proliferation | Mild     |
| * Stomach, Forestomach | Epithelium                               | Hyperkeratosis                   | Moderate |
|                        | Epithelium                               | Hyperplasia                      | Moderate |
|                        |  | Inflammation                     | Mild     |
|                        | [ Hyperplasia TGLs = 6-14 ]              |                                  |          |
| * Thyroid Gland        | Follicle                                 | Hyperplasia                      | Minimal  |
|                        | Follicular Cel                           | Hypertrophy                      | Minimal  |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 151

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 597

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700253

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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Animal Note: TGL 2 - NCL

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

|                   |                 |          |
|-------------------|-----------------|----------|
| * Adrenal Medulla | * Mammary Gland | * Thymus |
|-------------------|-----------------|----------|

OBSERVATIONS

|                        |   |                                  |          |
|------------------------|---|----------------------------------|----------|
| * Bone Marrow          |   | Hyperplasia                      | Moderate |
| * Heart                |   | Cardiomyopathy                   | Minimal  |
| * Islets, Pancreatic   |   | Hyperplasia                      | Minimal  |
| * Kidney               |   | Mineralization                   | Minimal  |
|                        |   | Pigmentation                     | Moderate |
| * Liver                |   | Eosinophilic Focus               |          |
|                        |   | Hepatoblastoma                   | Multiple |
|                        |   | Hepatocellular Adenoma           | Multiple |
|                        |   | Hepatocellular Carcinoma         | Multiple |
|                        |   | Necrosis                         | Moderate |
|                        | [ Hepatoblastoma TGLs = 2,3,6-11+12+13 ]      |                                  |          |
|                        | [ Hepatocellular Adenoma TGLs = 2-11 ]        |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 1,5-10+14 ] |                                  |          |
| * Nose                 | Respirat Epith                                | Hyperplasia                      | Minimal  |
| * Preputial Gland      |   | Inflammation                     | Minimal  |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                                    | Hyperkeratosis                   | Moderate |
|                        | Epithelium                                    | Hyperplasia                      | Moderate |
|                        |   | Inflammation                     | Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700254

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |              |          |
|-----------------------------|----------------|--------------|----------|
| [ Hyperplasia TGLs = 7-15 ] | Epithelium     | Ulcer        | Moderate |
| * Testes                    |                | Inflammation | Minimal  |
| * Thyroid Gland             | Follicular Cel | Hypertrophy  | Minimal  |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

Animal Note: TGLs 4-13 = NCL



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 681

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Epididymis                | * Esophagus              | * Eye                      |
| * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Bone Marrow          |  | Hyperplasia                      | Moderate |
| * Heart                |  | Cardiomyopathy                   | Minimal  |
| * Islets, Pancreatic   |  | Hyperplasia                      | Mild     |
| * Kidney               |  | Nephropathy                      | Minimal  |
| * Liver                |  | Eosinophilic Focus               |          |
|                        |  | Hepatocellular Adenoma           | Multiple |
|                        |  | Hepatocellular Carcinoma         | Multiple |
|                        |  | Inflammation                     | Mild     |
|                        |  | Necrosis                         | Moderate |
|                        | [ Hepatocellular Adenoma TGLs = 2,3,4-11+12+13 ] |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 1,5-10+14 ]    |                                  |          |
| * Nose                 | Respirat Epith                                   | Hyperplasia                      | Minimal  |
|                        | Olfactory Epi                                    | Hyperplasia                      | Moderate |
| * Preputial Gland      |  | Inflammation                     | Minimal  |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                                       | Hyperkeratosis                   | Marked   |
|                        | Epithelium                                       | Hyperplasia                      | Marked   |
|                        |  | Inflammation                     | Mild     |
|                        | Epithelium                                       | Ulcer                            | Minimal  |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 153

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 681

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700255

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 6-14 ]

\* Thyroid Gland  
Tooth

Follicular Cel

Hypertrophy  
Dysplasia

Minimal

---

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 443

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nose                    | * Pancreas                  | * Pituitary Gland        | * Preputial Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|  |             |                                  |                |
|--|-------------|----------------------------------|----------------|
| * Adrenal Cortex                       | Subcapsular | Hyperplasia                      | Minimal        |
| * Bone Marrow                          |             | Hyperplasia                      | Moderate       |
| * Kidney                               |             | Nephropathy                      | Mild           |
| * Liver                                |             | Eosinophilic Focus               |                |
|  |             | Hepatocellular Adenoma           |                |
|  |             | Hypertrophy                      | Marked         |
|  |             | Tension Lipidosis                |                |
|  |             | Vacuolization Cytoplasmic        | Mild           |
| [ Hepatocellular Adenoma TGLs = 1-10 ] |             |                                  |                |
| * Spleen                               |             | Hematopoietic Cell Proliferation | Minimal        |
|  |             | Hyperplasia                      | Lymphoid, Mild |
| * Stomach, Forestomach                 | Epithelium  | Hyperkeratosis                   | Moderate       |
|  | Epithelium  | Hyperplasia                      | Moderate       |
|  |             | Inflammation                     | Moderate       |
|  | Epithelium  | Ulcer                            | Moderate       |
| [ Ulcer TGLs = 2-11 ]                  |             |                                  |                |
| * Testes                               |             | Inflammation                     | Moderate       |
|  |             | Mineralization                   | Mild           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 154

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 443

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700256

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Epithelium Ulcer

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 641

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Brain                  |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Trachea                 |                             |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |                        |                          |          |
|----------------------|------------------------|--------------------------|----------|
| * Adrenal Cortex     | Subcapsular            | Hyperplasia              | Minimal  |
| * Bone Marrow        |                        | Hyperplasia              | Mild     |
| * Epididymis         |                        | Inflammation             | Mild     |
| * Harderian Gland    |                        | Adenoma                  |          |
|                      | [ Adenoma TGLs = 1-9 ] |                          |          |
| * Heart              |                        | Cardiomyopathy           | Mild     |
| * Islets, Pancreatic |                        | Hyperplasia              | Minimal  |
| * Kidney             |                        | Inflammation             | Mild     |
|                      |                        | Mineralization           | Minimal  |
|                      |                        | Nephropathy              | Mild     |
|                      |                        |                          |          |
|                      |                        | Basophilic Focus         |          |
|                      |                        | Eosinophilic Focus       |          |
|                      |                        | Hemangiosarcoma          |          |
|                      |                        | Hepatoblastoma           |          |
|                      |                        | Hepatocellular Adenoma   | Multiple |
|                      |                        | Hepatocellular Carcinoma | Multiple |
|                      |                        | Hypertrophy              | Moderate |
|                      |                        | Inflammation             | Moderate |
|                      |                        | Necrosis                 | Mild     |

Note: Bacteria present.

\* Liver

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 641

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700257

ORGAN AND ACCOUNTABLE SITE STATUS

Vacuolization Cytoplasmic

Minimal

[ Hemangiosarcoma TGLs = 4,5,7-10+11+13 ]

[ Hepatocellular Adenoma TGLs = 6,7-12+13 ]

[ Hepatocellular Carcinoma TGLs = 5,4-10+11 ]

\* Lung

Alveolar/Bronchiolar Carcinoma

Hepatocellular Carcinoma

Metastatic (Liver)

[ Alveolar/Bronchiolar Carcinoma TGLs = 3-3 ]

Lymph Node

Bronchial

Hyperplasia

Lymphoid, Minimal

Inguinal

Hyperplasia

Lymphoid, Minimal

Mesentery

Inflammation

Mild

\* Preputial Gland

Ectasia

Moderate

Inflammation

Minimal

[ Ectasia TGLs = 2-8 ]

\* Prostate

Inflammation

Moderate

\* Spleen

Hemangiosarcoma

Hematopoietic Cell Proliferation

Moderate

\* Stomach, Forestomach

Epithelium

Hyperkeratosis

Mild

Epithelium

Hyperplasia

Moderate

Inflammation

Mild

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

Tooth

Dysplasia

\* Urinary Bladder

Inflammation

Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Preputial Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Testes                 | * Thymus                   | * Thyroid Gland           |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                    |
|----------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow        |   | Hyperplasia                      | Moderate           |
| * Heart              |   | Cardiomyopathy                   | Mild               |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal            |
| * Kidney             |   | Mineralization                   | Minimal            |
|                      |   | Nephropathy                      | Minimal            |
| * Liver              |   | Eosinophilic Focus               |                    |
|                      |   | Hemangiosarcoma                  |                    |
|                      |   | Hematopoietic Cell Proliferation | Minimal            |
|                      |   | Hepatoblastoma                   | Multiple           |
|                      |   | Hepatocellular Adenoma           | Multiple           |
|                      |   | Hepatocellular Carcinoma         | Multiple           |
|                      |   | Hypertrophy                      | Moderate           |
|                      |   | Inflammation                     | Minimal            |
|                      |   | Mixed Cell Focus                 |                    |
|                      | [ Hepatoblastoma TGLs = 1,4-11+13 ]           |                                  |                    |
|                      | [ Hepatocellular Adenoma TGLs = 2-10 ]        |                                  |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 3,5-12+14 ] |                                  |                    |
| * Lung               |   | Hepatocellular Carcinoma         | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700258

ORGAN AND ACCOUNTABLE SITE STATUS

|   |                |                                  |          |
|---|----------------|----------------------------------|----------|
| [ Hepatocellular Carcinoma TGLs = 6-3 ] |                |                                  |          |
| * Nose                                  | Respirat Epith | Hyperplasia                      | Minimal  |
|   |                | Inflammation                     | Minimal  |
| * Spleen                                |                | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach                  | Epithelium     | Hyperkeratosis                   | Moderate |
|   | Epithelium     | Hyperplasia                      | Marked   |
|   |                | Inflammation                     | Moderate |
|   | Epithelium     | Ulcer                            | Moderate |
| [ Hyperplasia TGLs = 7-15 ]             |                |                                  |          |
| * Stomach, Glandular                    | Epithelium     | Hyperplasia                      | Minimal  |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                   |   |                                  |                    |
|-------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Minimal            |
| * Bone Marrow     |   | Hyperplasia                      | Moderate           |
| * Harderian Gland |   | Hyperplasia                      | Mild               |
| * Kidney          |   | Mineralization                   | Minimal            |
|                   |   | Nephropathy                      | Minimal            |
| * Liver           |   | Clear Cell Focus                 |                    |
|                   |   | Eosinophilic Focus               |                    |
|                   |   | Erythrophagocytosis              | Mild               |
|                   |   | Hematopoietic Cell Proliferation | Minimal            |
|                   |   | Hepatoblastoma                   | Metastatic (Liver) |
|                   |   | Hepatocellular Adenoma           | Multiple           |
|                   |   | Hepatocellular Carcinoma         | Multiple           |
|                   |   | Hypertrophy                      | Moderate           |
|                   |   | Inflammation                     | Mild               |
|                   |   | Vacuolization Cytoplasmic        | Minimal            |
|                   | [ Hepatocellular Adenoma TGLs = 3-12 ]                  |                                  |                    |
|                   | [ Hepatocellular Carcinoma TGLs = 1,2,4,5-10+11+13+14 ] |                                  |                    |
| Lymph Node        | Inguinal  | Hyperplasia                      | Lymphoid, Mild     |
| * Nose            | Respirat Epith  | Hyperplasia                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700259

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                   |
|------------------------|-----------------------------|----------------------------------|-------------------|
|                        | Olfactory Epi               | Pigmentation                     | Minimal           |
| * Preputial Gland      |                             | Inflammation                     | Minimal           |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate          |
|                        |                             | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate          |
|                        | Epithelium                  | Hyperplasia                      | Marked            |
|                        |                             | Inflammation                     | Moderate          |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |                   |
| * Thyroid Gland        | C Cell                      | Carcinoma                        |                   |
|                        | Follicular Cel              | Hypertrophy                      | Minimal           |
|                        | [ Carcinoma TGLs = 6-3 ]    |                                  |                   |
| Tooth                  |                             | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Trachea                | * Urinary Bladder          |                           |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Minimal           |
| * Bone Marrow            |  | Hyperplasia                      | Minimal           |
| * Heart                  |  | Cardiomyopathy                   | Minimal           |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal           |
| * Kidney                 |  | Cyst                             | Minimal           |
|                          |  | Mineralization                   | Minimal           |
|                          |  | Nephropathy                      | Minimal           |
| * Liver                  |  | Clear Cell Focus                 |                   |
|                          |  | Eosinophilic Focus               |                   |
|                          |  | Erythrophagocytosis              | Minimal           |
|                          |  | Hematopoietic Cell Proliferation | Minimal           |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         | Multiple          |
|                          |  | Hypertrophy                      | Marked            |
|                          |  | Inflammation                     | Mild              |
|                          |  | Vacuolization Cytoplasmic        | Minimal           |
|                          | [ Hepatocellular Adenoma TGLs = 4,5-13+14 ]        |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12 ] |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700260

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                |                                  |                   |
|------------------------|----------------|----------------------------------|-------------------|
|                        | Respirat Epith | Hyperplasia                      | Minimal           |
|                        |                | Inflammation                     | Minimal           |
| * Preputial Gland      |                | Inflammation                     | Minimal           |
| * Spleen               |                | Hematopoietic Cell Proliferation | Mild              |
|                        |                | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium     | Hyperkeratosis                   | Mild              |
|                        | Epithelium     | Hyperplasia                      | Moderate          |
|                        |                | Inflammation                     | Moderate          |
|                        | Epithelium     | Ulcer                            | Mild              |
| [ Ulcer TGLs = 6-15 ]  |                |                                  |                   |
| * Thymus               |                | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland        | Follicular Cel | Adenoma                          |                   |
|                        | Follicle       | Hyperplasia                      | Minimal           |
|                        | Follicular Cel | Hypertrophy                      | Minimal           |
| Tooth                  |                | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700261

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Epididymis                |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Testes                   | * Trachea                 | * Urinary Bladder           |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                   |   |                                  |                   |
|-------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Minimal           |
| * Bone Marrow     |   | Hyperplasia                      | Mild              |
| * Brain           |   | Infiltration Cellular            | Lymphoid, Minimal |
| * Heart           |   | Cardiomyopathy                   | Minimal           |
| * Kidney          |   | Mineralization                   | Minimal           |
|                   |   | Nephropathy                      | Mild              |
|                   |   | Pigmentation                     | Moderate          |
| * Liver           |   | Eosinophilic Focus               |                   |
|                   |   | Hematopoietic Cell Proliferation | Minimal           |
|                   |   | Hepatoblastoma                   |                   |
|                   |   | Hepatocellular Adenoma           | Multiple          |
|                   |   | Hepatocellular Carcinoma         | Multiple          |
|                   |   | Hypertrophy                      | Moderate          |
|                   |   | Inflammation                     | Mild              |
|                   | [ Hepatoblastoma TGLs = 3-12 ]                          |                                  |                   |
|                   | [ Hepatocellular Adenoma TGLs = 4-13 ]                  |                                  |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 1,2,3,5-10+11+12+14 ] |                                  |                   |
| * Nose            | Respirat Epith  | Hyperplasia                      | Minimal           |
|                   | Olfactory Epi   | Pigmentation                     | Minimal           |
| * Preputial Gland |   | Inflammation                     | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700261

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                |                                  |                   |
|------------------------|----------------|----------------------------------|-------------------|
| * Spleen               |                | Hematopoietic Cell Proliferation | Moderate          |
| * Stomach, Forestomach | Epithelium     | Hyperkeratosis                   | Mild              |
|                        | Epithelium     | Hyperplasia                      | Mild              |
|                        |                | Inflammation                     | Minimal           |
| * Stomach, Glandular   |                | Inflammation                     | Minimal           |
| * Thymus               |                | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland        | Follicle       | Hyperplasia                      | Minimal           |
|                        | Follicular Cel | Hypertrophy                      | Minimal           |
| Tooth                  |                | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 635

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Pituitary Gland         | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Testes                 | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

MISSING

|                 |                     |          |
|-----------------|---------------------|----------|
| * Mammary Gland | * Parathyroid Gland | * Thymus |
|-----------------|---------------------|----------|

OBSERVATIONS

|                      |  |                               |          |
|----------------------|--|-------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                   | Minimal  |
| * Bone Marrow        |  | Hyperplasia                   | Mild     |
| * Islets, Pancreatic |  | Hyperplasia                   | Minimal  |
| * Kidney             |  | Mineralization                | Minimal  |
|                      |  | Pigmentation                  | Minimal  |
| * Liver              |  | Eosinophilic Focus            |          |
|                      |  | Hepatoblastoma                |          |
|                      |  | Hepatocellular Adenoma        | Multiple |
|                      |  | Hepatocellular Carcinoma      | Multiple |
|                      | Bile Duct  | Hyperplasia                   | Minimal  |
|                      |  | Hypertrophy                   | Mild     |
|                      |  | Necrosis                      | Moderate |
|                      | [ Hepatoblastoma TGLs = 2-11 ]                   |                               |          |
|                      | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ] |                               |          |
|                      | [ Hepatocellular Carcinoma TGLs = 1-10 ]         |                               |          |
| Mesentery            |  | Inflammation                  | Mild     |
| * Nose               | Olfactory Epi                                    | Accumulation, Hyaline Droplet | Moderate |
|                      | Respirat Epith                                   | Hyperplasia                   | Minimal  |
|                      |  | Inflammation                  | Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 160

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700262

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |            |                                  |          |
|------------------------|------------|----------------------------------|----------|
| * Spleen               |            | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium | Hyperkeratosis                   | Moderate |
|                        | Epithelium | Hyperplasia                      | Marked   |
|                        |            | Inflammation                     | Mild     |
|                        | Epithelium | Ulcer                            | Mild     |
| * Stomach, Glandular   | Epithelium | Hyperplasia                      | Minimal  |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 6-15 = NCL



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     | * Testes                   |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |   |                                  |          |
|------------------------|---|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Minimal  |
| * Bone Marrow          |   | Hyperplasia                      | Moderate |
| * Islets, Pancreatic   |   | Hyperplasia                      | Mild     |
| * Kidney               |   | Cyst                             | Minimal  |
|                        |   | Nephropathy                      | Minimal  |
| * Liver                |   | Eosinophilic Focus               |          |
|                        |   | Hemangiosarcoma                  |          |
|                        |   | Hepatoblastoma                   |          |
|                        |   | Hepatocellular Carcinoma         | Multiple |
|                        |   | Inflammation                     | Mild     |
|                        |   | Mixed Cell Focus                 |          |
|                        |   | Necrosis                         | Mild     |
|                        | [ Hepatoblastoma TGLs = 3-12 ]                          |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,4,5-10+11+13+14 ] |                                  |          |
| * Nose                 | Respirat Epith  | Hyperplasia                      | Minimal  |
|                        | Olfactory Epi   | Pigmentation                     | Minimal  |
| * Preputial Gland      |   | Inflammation                     | Minimal  |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis                   | Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700263

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |              |                   |
|-----------------------------|----------------|--------------|-------------------|
|                             | Epithelium     | Hyperplasia  | Marked            |
|                             |                | Inflammation | Mild              |
| [ Hyperplasia TGLs = 6-15 ] |                |              |                   |
| * Thymus                    |                | Hyperplasia  | Lymphoid, Minimal |
| * Thyroid Gland             | Follicular Cel | Adenoma      |                   |
|                             | Follicle       | Hyperplasia  | Minimal           |
|                             | Follicular Cel | Hypertrophy  | Minimal           |

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 690

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                      |               |                                  |                    |
|----------------------|---------------|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia                      | Minimal            |
| * Bone Marrow        |               | Hyperplasia                      | Moderate           |
| * Heart              |               | Cardiomyopathy                   | Minimal            |
| * Islets, Pancreatic |               | Hyperplasia                      | Mild               |
| * Kidney             |               | Nephropathy                      | Mild               |
|                      |               | Pigmentation                     | Moderate           |
| * Liver              |               | Eosinophilic Focus               |                    |
|                      |               | Hematopoietic Cell Proliferation | Minimal            |
|                      |               | Hepatoblastoma                   | Multiple           |
|                      |               | Hepatocellular Carcinoma         | Multiple           |
|                      |               | Hypertrophy                      | Marked             |
|                      |               | Inflammation                     | Mild               |
|                      |               | Necrosis                         | Mild               |
|                      |               | Vacuolization Cytoplasmic        | Mild               |
|                      |               |                                  |                    |
|                      |               |                                  |                    |
|                      |               |                                  |                    |
|                      |               |                                  |                    |
|                      |               |                                  |                    |
|                      |               |                                  |                    |
| * Lung               |               | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose               | Olfactory Epi | Accumulation, Hyaline Droplet    | Moderate           |

[ Eosinophilic Focus TGLs = 6-14 ]

[ Hepatoblastoma TGLs = 2,4-10+12 ]

[ Hepatocellular Carcinoma TGLs = 3,5,8-11+13+16 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 690

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700264

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Preputial Gland      |                             | Fibrosis                         | Moderate |
|                        |                             | Inflammation                     | Minimal  |
|                        | [ Fibrosis TGLs = 1-8 ]     |                                  |          |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Mild     |
|                        | Epithelium                  | Hyperplasia                      | Mild     |
|                        |                             | Inflammation                     | Moderate |
|                        | Epithelium                  | Ulcer                            | Mild     |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |          |
| * Thyroid Gland        | Follicle                    | Hyperplasia                      | Mild     |
|                        | Follicular Cel              | Hypertrophy                      | Minimal  |
| Tooth                  |                             | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 76

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700265

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | Blood Vessel                | * Bone                   |
| * Brain                    | * Epididymis              | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Preputial Gland         | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Testes                   | * Thyroid Gland           | Tooth                       | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                          |                                  |                    |
|--------------------------|----------------------------------|--------------------|
| * Bone Marrow            | Hyperplasia                      | Moderate           |
| * Liver                  | Inflammation                     | Minimal            |
| * Lymph Node, Mesenteric | Hyperplasia                      | Lymphoid, Mild     |
| * Spleen                 | Hematopoietic Cell Proliferation | Minimal            |
|                          | Hyperplasia                      | Lymphoid, Mild     |
| * Thymus                 | Hyperplasia                      | Lymphoid, Moderate |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700266

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                        |  |                                  |                   |
|------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular                              | Hyperplasia                      | Minimal           |
| * Bone Marrow          |  | Hyperplasia                      | Moderate          |
| * Islets, Pancreatic   |  | Hyperplasia                      | Mild              |
| * Kidney               |  | Pigmentation                     | Mild              |
| * Liver                |  | Hepatoblastoma                   | Multiple          |
|                        |  | Hepatocellular Adenoma           | Multiple          |
|                        |  | Hepatocellular Carcinoma         | Multiple          |
|                        |  | Inflammation                     | Mild              |
|                        |  | Necrosis                         | Moderate          |
|                        | [ Hepatoblastoma TGLs = 1,3-10+11 ]      |                                  |                   |
|                        | [ Hepatocellular Adenoma TGLs = 5-13 ]   |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 4-12 ] |                                  |                   |
| Lymph Node             | Inguinal                                 | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                 | Olfactory Epi                            | Accumulation, Hyaline Droplet    | Moderate          |
| * Preputial Gland      |  | Inflammation                     | Minimal           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Marked            |
| * Stomach, Forestomach | Epithelium                               | Hyperkeratosis                   | Marked            |
|                        | Epithelium                               | Hyperplasia                      | Marked            |
|                        |  | Inflammation                     | Moderate          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 672

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700266

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                             |                |             |         |
|-----------------------------|----------------|-------------|---------|
| [ Hyperplasia TGLs = 6-14 ] | Epithelium     | Ulcer       | Mild    |
| * Thyroid Gland             | Follicle       | Hyperplasia | Minimal |
|                             | Follicular Cel | Hypertrophy | Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

Animal Note: TGL 2 - NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 516

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Prostate                |
| * Salivary Glands           | * Seminal Vesicle        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                  |  |                           |                    |
|------------------|--|---------------------------|--------------------|
| * Adrenal Cortex | Subcapsular                              | Hyperplasia               | Minimal            |
| * Bone Marrow    |  | Hyperplasia               | Moderate           |
| * Heart          |  | Hepatocholangiocarcinoma  | Metastatic (Liver) |
| * Liver          |  | Basophilic Focus          |                    |
|                  |  | Eosinophilic Focus        |                    |
|                  |  | Hepatoblastoma            |                    |
|                  |  | Hepatocellular Adenoma    |                    |
|                  |  | Hepatocholangiocarcinoma  | Multiple           |
|                  |  | Hypertrophy               | Moderate           |
|                  |  | Necrosis                  | Mild               |
|                  |  | Vacuolization Cytoplasmic | Mild               |
|                  | [ Eosinophilic Focus TGLs = 3,4-12+13 ]  |                           |                    |
|                  | [ Hepatocellular Adenoma TGLs = 2-11 ]   |                           |                    |
|                  | [ Hepatocholangiocarcinoma TGLs = 1-10 ] |                           |                    |
| * Lung           |  | Hepatocholangiocarcinoma  | Metastatic (Liver) |
|                  | [ Hepatocholangiocarcinoma TGLs = 6-3 ]  |                           |                    |
| Lymph Node       | Bronchial                                | Hepatocholangiocarcinoma  | Metastatic (Liver) |
|                  | Inguinal                                 | Hyperplasia               | Lymphoid, Minimal  |
| Mesentery        |  | Hepatocholangiocarcinoma  | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 516

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700267

ORGAN AND ACCOUNTABLE SITE STATUS

[ Hepatocholangiocarcinoma TGLs = 5-14 ]

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| Peritoneum             |                             | Inflammation                     | Moderate |
| * Preputial Gland      |                             | Inflammation                     | Minimal  |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Marked   |
|                        |                             | Inflammation                     | Moderate |
|                        | Epithelium                  | Ulcer                            | Moderate |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |          |
| * Thyroid Gland        | Follicular Cel              | Hypertrophy                      | Minimal  |
| Tooth                  |                             | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Gallbladder               | * Harderian Gland        | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                          |                   |
|--------------------------|---|--------------------------|-------------------|
| * Bone Marrow            |   | Hyperplasia              | Moderate          |
| * Heart                  |   | Cardiomyopathy           | Minimal           |
| * Intestine Large, Cecum |   | Hyperplasia              | Lymphoid, Minimal |
| * Islets, Pancreatic     |   | Hyperplasia              | Minimal           |
| * Kidney                 |   | Nephropathy              | Minimal           |
| * Liver                  |   | Eosinophilic Focus       |                   |
|                          |   | Hepatoblastoma           | Multiple          |
|                          |   | Hepatocellular Adenoma   | Multiple          |
|                          |   | Hepatocellular Carcinoma | Multiple          |
|                          |   | Inflammation             | Mild              |
|                          |   | Mixed Cell Focus         |                   |
|                          | [ Hepatoblastoma TGLs = 3,6-12+14 ]           |                          |                   |
|                          | [ Hepatocellular Adenoma TGLs = 4,6-10+14 ]   |                          |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 2,5-11+13 ] |                          |                   |
| * Nose                   | Respirat Epith                                | Hyperplasia              | Mild              |
|                          | Olfactory Epi                                 | Pigmentation             | Minimal           |
| * Preputial Gland        |   | Ectasia                  | Moderate          |
|                          |   | Inflammation             | Mild              |
|                          | [ Ectasia TGLs = 1-8 ]                        |                          |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700268

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                                  |          |
|-----------------------------|----------------|----------------------------------|----------|
| * Spleen                    |                | Hematopoietic Cell Proliferation | Mild     |
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis                   | Moderate |
|                             | Epithelium     | Hyperplasia                      | Marked   |
|                             |                | Inflammation                     | Moderate |
|                             | Epithelium     | Ulcer                            | Minimal  |
| [ Hyperplasia TGLs = 7-15 ] |                |                                  |          |
| * Thyroid Gland             | Follicle       | Hyperplasia                      | Mild     |
|                             | Follicular Cel | Hypertrophy                      | Minimal  |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700269

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Trachea                  | * Urinary Bladder         |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                   |  |                                  |                    |
|-------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                      | Mild               |
| * Bone Marrow     |  | Hyperplasia                      | Mild               |
| * Heart           |  | Cardiomyopathy                   | Minimal            |
| * Kidney          |  | Nephropathy                      | Minimal            |
| * Liver           |  | Eosinophilic Focus               |                    |
|                   |  | Hematopoietic Cell Proliferation | Minimal            |
|                   |  | Hepatoblastoma                   | Multiple           |
|                   |  | Hepatocellular Carcinoma         | Multiple           |
|                   |  | Inflammation                     | Minimal            |
|                   |  | Mixed Cell Focus                 |                    |
|                   | [ Hepatoblastoma TGLs = 2,4-10+12 ]                |                                  |                    |
|                   | [ Hepatocellular Carcinoma TGLs = 3,5,6-11+13+14 ] |                                  |                    |
| * Lung            |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| Lymph Node        | Inguinal   | Hyperplasia                      | Lymphoid, Minimal  |
| * Nose            | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Moderate           |
|                   | Olfactory Epi                                      | Pigmentation                     | Minimal            |
| * Preputial Gland |  | Ectasia                          | Moderate           |
|                   |  | Inflammation                     | Moderate           |
|                   | [ Ectasia TGLs = 1-8 ]                             |                                  |                    |
| * Prostate        |  | Hyperplasia                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700269

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                |
|------------------------|-----------------------------|----------------------------------|----------------|
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate       |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Marked         |
|                        | Epithelium                  | Hyperplasia                      | Marked         |
|                        |                             | Inflammation                     | Moderate       |
|                        | Epithelium                  | Ulcer                            | Mild           |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |                |
| * Thymus               |                             | Hyperplasia                      | Lymphoid, Mild |
| * Thyroid Gland        | Follicle                    | Hyperplasia                      | Minimal        |
|                        | Follicular Cel              | Hypertrophy                      | Minimal        |
| Tooth                  |                             | Dysplasia                        |                |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 573

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Prostate               |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Glandular     |
| * Testes                  | * Thymus                    | * Trachea                | * Urinary Bladder        |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |   |                                  |          |
|----------------------------|---|----------------------------------|----------|
| * Adrenal Cortex           | Subcapsular                                   | Hyperplasia                      | Minimal  |
| * Bone Marrow              |   | Hyperplasia                      | Moderate |
| * Intestine Small, Jejunum |   | Carcinoma                        |          |
|                            | [ Carcinoma TGLs = 6-14 ]                     |                                  |          |
| * Liver                    |   | Clear Cell Focus                 |          |
|                            |   | Eosinophilic Focus               |          |
|                            |   | Hematopoietic Cell Proliferation | Minimal  |
|                            |   | Hepatoblastoma                   | Multiple |
|                            |   | Hepatocellular Adenoma           | Multiple |
|                            |   | Hepatocellular Carcinoma         | Multiple |
|                            |   | Mixed Cell Focus                 |          |
|                            |   | Necrosis                         | Minimal  |
|                            | [ Hepatoblastoma TGLs = 1,2-10+11 ]           |                                  |          |
|                            | [ Hepatocellular Adenoma TGLs = 4-12 ]        |                                  |          |
|                            | [ Hepatocellular Carcinoma TGLs = 3,5-11+13 ] |                                  |          |
| * Nose                     | Olfactory Epi                                 | Accumulation, Hyaline Droplet    | Mild     |
| * Preputial Gland          |   | Inflammation                     | Minimal  |
| * Spleen                   |   | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach     | Epithelium                                    | Hyperkeratosis                   | Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 168

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 573

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700270

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                 |                |              |          |
|-----------------|----------------|--------------|----------|
|                 | Epithelium     | Hyperplasia  | Moderate |
|                 |                | Inflammation | Mild     |
| * Thyroid Gland | Follicular Cel | Hypertrophy  | Minimal  |
| Tooth           |                | Dysplasia    |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Epididymis             | * Esophagus                | * Eye                     |
| * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Testes                    | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                      |   |                               |                    |
|----------------------|---|-------------------------------|--------------------|
| * Bone Marrow        |   | Hyperplasia                   | Moderate           |
| * Harderian Gland    |   | Adenoma                       |                    |
|                      | [ Adenoma TGLs = 6-9 ]                      |                               |                    |
| * Heart              |   | Cardiomyopathy                | Minimal            |
| * Islets, Pancreatic |   | Hyperplasia                   | Minimal            |
| * Kidney             |   | Nephropathy                   | Minimal            |
| * Liver              |   | Eosinophilic Focus            |                    |
|                      |   | Hepatoblastoma                | Multiple           |
|                      |   | Hepatocellular Adenoma        | Multiple           |
|                      |   | Hepatocellular Carcinoma      | Multiple           |
|                      |   | Hypertrophy                   | Moderate           |
|                      |   | Inflammation                  | Minimal            |
|                      | [ Hepatoblastoma TGLs = 1,4-10+12 ]         |                               |                    |
|                      | [ Hepatocellular Adenoma TGLs = 1,3-10+12 ] |                               |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 2-11 ]    |                               |                    |
| * Lung               |   | Hepatoblastoma                | Metastatic (Liver) |
| * Nose               | Olfactory Epi                               | Accumulation, Hyaline Droplet | Mild               |
|                      | Respirat Epith                              | Hyperplasia                   | Minimal            |
|                      |   | Inflammation                  | Minimal            |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700271

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Preputial Gland      |                             | Inflammation                     | Minimal  |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Marked   |
|                        |                             | Inflammation                     | Moderate |
|                        | [ Hyperplasia TGLs = 7-14 ] |                                  |          |
| * Stomach, Glandular   |                             | Cyst                             | Minimal  |
| * Thyroid Gland        | Follicular Cel              | Hypertrophy                      | Minimal  |

Animal Note: TGLs 5-13 = NCL

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 170

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 553

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                      |             |                           |          |
|----------------------|-------------|---------------------------|----------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia               | Minimal  |
| * Bone Marrow        |             | Hyperplasia               | Mild     |
| * Islets, Pancreatic |             | Hyperplasia               | Minimal  |
| * Kidney             |             | Mineralization            | Minimal  |
|                      |             | Nephropathy               | Minimal  |
|                      |             | Pigmentation              | Minimal  |
| * Liver              |             | Clear Cell Focus          |          |
|                      |             | Eosinophilic Focus        |          |
|                      |             | Hepatoblastoma            |          |
|                      |             | Hepatocellular Adenoma    | Multiple |
|                      |             | Hepatocellular Carcinoma  |          |
|                      |             | Hypertrophy               | Moderate |
|                      |             | Mixed Cell Focus          |          |
|                      |             | Vacuolization Cytoplasmic | Minimal  |

[ Eosinophilic Focus TGLs = 5-13 ]  
 [ Hepatoblastoma TGLs = 6-14 ]  
 [ Hepatocellular Adenoma TGLs = 4,7,8-12+15+16 ]  
 [ Hepatocellular Carcinoma TGLs = 2-11 ]

- \* Lung Alveolar/Bronchiolar Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 553

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700272

ORGAN AND ACCOUNTABLE SITE STATUS

[ Alveolar/Bronchiolar Carcinoma TGLs = 1-10 ]

|                        |                |                                  |          |
|------------------------|----------------|----------------------------------|----------|
| * Nose                 | Respirat Epith | Hyperplasia                      | Minimal  |
| * Preputial Gland      |                | Inflammation                     | Minimal  |
| * Spleen               |                | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium     | Hyperkeratosis                   | Moderate |
|                        | Epithelium     | Hyperplasia                      | Marked   |
|                        |                | Inflammation                     | Mild     |

[ Hyperplasia TGLs = 9-16 ]

|                 |          |             |         |
|-----------------|----------|-------------|---------|
| * Thyroid Gland | Follicle | Hyperplasia | Minimal |
|-----------------|----------|-------------|---------|

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 3-11 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     | * Testes                   |
| * Thymus                  | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |   |                                  |                |
|----------------------|---|----------------------------------|----------------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia                      | Minimal        |
| * Bone Marrow        |   | Hyperplasia                      | Moderate       |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal        |
| * Kidney             |   | Mineralization                   | Minimal        |
|                      |   | Nephropathy                      | Minimal        |
| * Liver              |   | Clear Cell Focus                 |                |
|                      |   | Eosinophilic Focus               |                |
|                      |   | Erythrophagocytosis              | Minimal        |
|                      |   | Hepatocellular Adenoma           |                |
|                      |   | Hepatocellular Carcinoma         | Multiple       |
|                      |   | Hypertrophy                      | Moderate       |
|                      |   | Inflammation                     | Mild           |
|                      | [ Hepatocellular Adenoma TGLs = 5-14 ]                  |                                  |                |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                |
| * Nose               | Olfactory Epi   | Accumulation, Hyaline Droplet    | Moderate       |
| * Preputial Gland    |   | Hemangiosarcoma                  |                |
|                      |   | Inflammation                     | Minimal        |
| * Spleen             |   | Hematopoietic Cell Proliferation | Mild           |
|                      |   | Hyperplasia                      | Lymphoid, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700273

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                |          |
|-----------------------------|----------------|----------------|----------|
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis | Moderate |
|                             | Epithelium     | Hyperplasia    | Marked   |
|                             |                | Inflammation   | Moderate |
|                             | Epithelium     | Ulcer          | Mild     |
| [ Hyperplasia TGLs = 6-15 ] |                |                |          |
| * Thyroid Gland             | Follicular Cel | Hypertrophy    | Minimal  |
| Tooth                       |                | Dysplasia      |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 700

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |                    |
|----------------------|--|----------------------------------|--------------------|
| * Adrenal Medulla    |  | Hyperplasia                      | Minimal            |
| * Bone Marrow        |  | Hyperplasia                      | Moderate           |
| * Heart              |  | Cardiomyopathy                   | Minimal            |
| * Islets, Pancreatic |  | Hyperplasia                      | Mild               |
| * Kidney             |  | Nephropathy                      | Mild               |
|                      |  | Pigmentation                     | Minimal            |
| * Liver              |  | Eosinophilic Focus               |                    |
|                      |  | Hematopoietic Cell Proliferation | Minimal            |
|                      |  | Hepatoblastoma                   |                    |
|                      |  | Hepatocellular Adenoma           | Multiple           |
|                      |  | Hepatocellular Carcinoma         | Multiple           |
|                      |  | Inflammation                     | Moderate           |
|                      | [ Hepatoblastoma TGLs = 1-10 ]                   |                                  |                    |
|                      | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ] |                                  |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ]    |                                  |                    |
| * Lung               |  | Hepatoblastoma                   | Metastatic (Liver) |
|                      |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
|                      | Alveolus   | Infiltration Cellular            | Histiocyte, Mild   |
|                      |  | Inflammation                     | Mild               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 700

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700274

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                       |                                  |          |
|------------------------|-----------------------|----------------------------------|----------|
|                        |                       | Mineralization                   | Minimal  |
| * Nose                 | Olfactory Epi         | Accumulation, Hyaline Droplet    | Moderate |
|                        | Olfactory Epi         | Pigmentation                     | Minimal  |
| * Preputial Gland      |                       | Inflammation                     | Mild     |
| * Spleen               |                       | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium            | Hyperkeratosis                   | Moderate |
|                        | Epithelium            | Hyperplasia                      | Marked   |
|                        |                       | Inflammation                     | Moderate |
|                        | Epithelium            | Ulcer                            | Moderate |
|                        | [ Ulcer TGLs = 6-14 ] |                                  |          |
| * Thyroid Gland        | Follicle              | Hyperplasia                      | Minimal  |
|                        | Follicular Cel        | Hypertrophy                      | Minimal  |
| Tooth                  |                       | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 575

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                          |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                  |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland      |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle        |
| * Skin                    | * Stomach, Glandular        | * Testes                 | * Thymus                 |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |   |                                  |                    |
|----------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow              |   | Hyperplasia                      | Moderate           |
| * Intestine Small, Jejunum |   | Carcinoma                        |                    |
|                            | [ Carcinoma TGLs = 7-12 ]                     |                                  |                    |
| * Kidney                   |   | Mineralization                   | Minimal            |
|                            |   | Nephropathy                      | Minimal            |
| * Liver                    |   | Eosinophilic Focus               |                    |
|                            |   | Hepatoblastoma                   |                    |
|                            |   | Hepatocellular Adenoma           | Multiple           |
|                            |   | Hepatocellular Carcinoma         | Multiple           |
|                            |   | Inflammation                     | Minimal            |
|                            |   | Necrosis                         | Mild               |
|                            | [ Hepatoblastoma TGLs = 3-11 ]                |                                  |                    |
|                            | [ Hepatocellular Adenoma TGLs = 5,6-14 ]      |                                  |                    |
|                            | [ Hepatocellular Carcinoma TGLs = 2,4-10+12 ] |                                  |                    |
| * Lung                     |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose                     | Olfactory Epi                                 | Accumulation, Hyaline Droplet    | Moderate           |
| * Preputial Gland          |   | Inflammation                     | Minimal            |
| * Spleen                   |   | Hematopoietic Cell Proliferation | Marked             |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 173

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 575

**DOSE:** 2000 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700275

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |            |                |          |
|------------------------|------------|----------------|----------|
| * Stomach, Forestomach | Epithelium | Hyperkeratosis | Moderate |
|                        | Epithelium | Hyperplasia    | Marked   |
|                        |            | Inflammation   | Mild     |
|                        | Epithelium | Ulcer          | Moderate |
| Tooth                  |            | Dysplasia      |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGLs 8-13 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| Blood Vessel               | * Bone                    | * Brain                     | * Epididymis             |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Stomach, Glandular        | * Testes                 |
| Tooth                      | * Trachea                 | * Urinary Bladder           |                          |

MISSING

|                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

|                   |   |                              |                     |
|-------------------|---|------------------------------|---------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                  | Minimal             |
| * Adrenal Medulla |   | Hyperplasia                  | Minimal             |
| * Bone Marrow     |   | Hyperplasia                  | Mild                |
| * Harderian Gland |   | Hyperplasia                  | Mild                |
| * Heart           |   | Cardiomyopathy               | Minimal             |
| * Kidney          |   | Nephropathy                  | Minimal             |
| * Liver           |   | Eosinophilic Focus           |                     |
|                   |   | Hepatoblastoma               |                     |
|                   |   | Hepatocellular Adenoma       | Multiple            |
|                   |   | Hepatocellular Carcinoma     | Multiple            |
|                   | Bile Duct   | Hyperplasia                  | Minimal             |
|                   |   | Inflammation                 | Mild                |
|                   | [ Hepatoblastoma TGLs = 1-10 ]                          |                              |                     |
|                   | [ Hepatocellular Adenoma TGLs = 3,5-12+14 ]             |                              |                     |
|                   | [ Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12+13 ] |                              |                     |
| * Lung            |   | Alveolar/Bronchiolar Adenoma |                     |
|                   |   | Hepatoblastoma               | Metastatic (Liver)  |
|                   | Alveolus  | Infiltration Cellular        | Histiocyte, Minimal |
|                   | [ Hepatoblastoma TGLs = 7,8,9,10,11-15+16+17 ]          |                              |                     |
| * Nose            | Olfactory Epi   | Pigmentation                 | Minimal             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700276

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                              |                                  |          |
|------------------------|------------------------------|----------------------------------|----------|
| * Preputial Gland      |                              | Ectasia                          | Moderate |
|                        |                              | Inflammation                     | Minimal  |
|                        | [ Ectasia TGLs = 6-8 ]       |                                  |          |
| * Prostate             |                              | Inflammation                     | Minimal  |
| * Spleen               |                              | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                   | Hyperkeratosis                   | Moderate |
|                        | Epithelium                   | Hyperplasia                      | Marked   |
|                        |                              | Inflammation                     | Moderate |
|                        | [ Hyperplasia TGLs = 12-18 ] |                                  |          |
| * Thyroid Gland        | Follicle                     | Hyperplasia                      | Minimal  |
|                        | Follicular Cel               | Hypertrophy                      | Minimal  |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                          |                           |                             |
|----------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla          | Blood Vessel             | * Bone                    | * Brain                     |
| * Epididymis               | * Esophagus              | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate                 | * Salivary Glands        | * Seminal Vesicle         | * Skin                      |
| * Stomach, Glandular       | Tooth                    | * Trachea                 | * Urinary Bladder           |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                          |               |   |                    |
|--------------------------|---------------|---|--------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia   | Minimal            |
| * Bone Marrow            |               | Hyperplasia   | Mild               |
| * Heart                  |               | Cardiomyopathy  | Minimal            |
| * Intestine Small, Ileum |               | Hyperplasia   | Lymphoid, Mild     |
| * Islets, Pancreatic     |               | Hyperplasia   | Minimal            |
| * Kidney                 |               | Cyst  | Minimal            |
|                          |               | Nephropathy   | Minimal            |
| * Liver                  |               | Clear Cell Focus  |                    |
|                          |               | Eosinophilic Focus                                      |                    |
|                          |               | Hematopoietic Cell Proliferation                        | Minimal            |
|                          |               | Hepatoblastoma  | Multiple           |
|                          |               | Hepatocellular Adenoma                                  | Multiple           |
|                          |               | Hepatocellular Carcinoma                                | Multiple           |
|                          |               | Hypertrophy   | Moderate           |
|                          |               | Inflammation  | Mild               |
|                          |               | [ Hepatoblastoma TGLs = 3-13 ]                          |                    |
|                          |               | [ Hepatocellular Carcinoma TGLs = 2,4,5,6-10+12+14+15 ] |                    |
| * Lung                   |               | Hepatoblastoma  | Metastatic (Liver) |
| Lymph Node               | Inguinal      | Hyperplasia   | Lymphoid, Minimal  |
| * Lymph Node, Mandibular |               | Hyperplasia   | Lymphoid, Minimal  |
| * Nose                   | Olfactory Epi | Accumulation, Hyaline Droplet                           | Mild               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700277

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                   |
|------------------------|-----------------------------|----------------------------------|-------------------|
|                        | Respirat Epith              | Hyperplasia                      | Minimal           |
| * Pancreas             |                             | Infiltration Cellular            | Lymphoid, Minimal |
| * Preputial Gland      |                             | Inflammation                     | Mild              |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate          |
|                        |                             | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Marked            |
|                        | Epithelium                  | Hyperplasia                      | Marked            |
|                        |                             | Inflammation                     | Moderate          |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |                   |
| * Testes               | Interstit Cell              | Adenoma                          |                   |
|                        | [ Adenoma TGLs = 1-11 ]     |                                  |                   |
| * Thymus               |                             | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland        | Follicle                    | Hyperplasia                      | Mild              |
|                        | Follicular Cel              | Hypertrophy                      | Minimal           |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700278

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                                 |   |                               |
|-----------------------------|---------------------------------|---|-------------------------------|
| * Nose                      | Olfactory Epi<br>Respirat Epith | Hepatocellular Carcinoma<br>Accumulation, Hyaline Droplet | Metastatic (Liver)<br>Minimal |
| * Preputial Gland           |                                 | Hyperplasia   | Minimal                       |
| * Prostate                  |                                 | Inflammation  | Mild                          |
| * Spleen                    |                                 | Adenoma   |                               |
| * Stomach, Forestomach      | Epithelium                      | Hematopoietic Cell Proliferation                          | Marked                        |
|                             | Epithelium                      | Erosion   | Marked                        |
|                             | Epithelium                      | Hyperkeratosis  | Moderate                      |
|                             |                                 | Hyperplasia   | Marked                        |
|                             |                                 | Inflammation  | Moderate                      |
| [ Hyperplasia TGLs = 6-15 ] |                                 |   |                               |
| * Thyroid Gland             | Follicular Cel                  | Hypertrophy   | Minimal                       |
| Tooth                       |                                 | Dysplasia   |                               |

Animal Note: TGLs 2-11 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 616

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Glandular        | * Testes                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal  |
| * Bone Marrow          |  | Hyperplasia                      | Mild     |
| * Islets, Pancreatic   |  | Hyperplasia                      | Minimal  |
| * Kidney               |  | Nephropathy                      | Minimal  |
| * Liver                |  | Eosinophilic Focus               |          |
|                        |  | Hepatoblastoma                   | Multiple |
|                        |  | Hepatocellular Adenoma           | Multiple |
|                        |  | Hepatocellular Carcinoma         | Multiple |
|                        |  | Inflammation                     | Minimal  |
|                        | [ Hepatoblastoma TGLs = 2,5-11+14 ]                |                                  |          |
|                        | [ Hepatocellular Adenoma TGLs = 3-12 ]             |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,4-10+11+13 ] |                                  |          |
| * Nose                 | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Mild     |
|                        | Respirat Epith                                     | Hyperplasia                      | Minimal  |
|                        | Olfactory Epi                                      | Pigmentation                     | Minimal  |
| * Pancreas             |  | Inflammation                     | Mild     |
| * Preputial Gland      |  | Inflammation                     | Minimal  |
| * Spleen               |  | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Marked   |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 616

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700279

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |              |                   |
|-----------------------------|----------------|--------------|-------------------|
|                             | Epithelium     | Hyperplasia  | Marked            |
|                             |                | Inflammation | Moderate          |
|                             | Epithelium     | Ulcer        | Mild              |
| [ Hyperplasia TGLs = 7-15 ] |                |              |                   |
| * Thymus                    |                | Hyperplasia  | Lymphoid, Minimal |
| * Thyroid Gland             | Follicular Cel | Hypertrophy  | Minimal           |
| Tooth                       |                | Dysplasia    |                   |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Testes                    | * Thymus                 | * Trachea                  | * Urinary Bladder         |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                        |  |                                  |                     |
|------------------------|--|----------------------------------|---------------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal             |
| * Bone Marrow          |  | Hyperplasia                      | Mild                |
| * Islets, Pancreatic   |  | Hyperplasia                      | Mild                |
| * Kidney               |  | Nephropathy                      | Minimal             |
|                        |  | Pigmentation                     | Mild                |
| * Liver                |  | Hepatoblastoma                   | Multiple            |
|                        |  | Hepatocellular Carcinoma         |                     |
|                        |  | Inflammation                     | Minimal             |
|                        | [ Hepatoblastoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |                     |
| * Lung                 |  | Hepatoblastoma                   | Metastatic (Liver)  |
|                        |  | Hepatocellular Carcinoma         | Metastatic (Liver)  |
|                        | Alveolus   | Infiltration Cellular            | Histiocyte, Minimal |
|                        | [ Hepatocellular Carcinoma TGLs = 6-3 ]            |                                  |                     |
| * Nose                 | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Minimal             |
|                        | Respirat Epith                                     | Hyperplasia                      | Minimal             |
| * Preputial Gland      |  | Inflammation                     | Minimal             |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate            |
| * Stomach, Forestomach | Epithelium   | Erosion                          | Marked              |
|                        | Epithelium   | Hyperkeratosis                   | Moderate            |
|                        | Epithelium   | Hyperplasia                      | Moderate            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700280

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Moderate

[ Hyperplasia TGLs = 7-15 ]

\* Stomach, Glandular

Epithelium

Hyperplasia

Minimal

\* Thyroid Gland

Follicle

Hyperplasia

Mild

Follicular Cel

Hypertrophy

Minimal

Tooth

Dysplasia

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700281

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Trachea                  | * Urinary Bladder         |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                      |  |                               |                    |
|----------------------|--|-------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                   | Minimal            |
| * Bone Marrow        |  | Hyperplasia                   | Moderate           |
| * Heart              |  | Cardiomyopathy                | Minimal            |
| * Islets, Pancreatic |  | Hyperplasia                   | Mild               |
| * Kidney             |  | Mineralization                | Minimal            |
|                      |  | Nephropathy                   | Minimal            |
|                      |  | Pigmentation                  | Moderate           |
| * Liver              |  | Hepatoblastoma                | Multiple           |
|                      |  | Hepatocellular Carcinoma      | Multiple           |
|                      |  | Hypertrophy                   | Marked             |
|                      | [ Hepatoblastoma TGLs = 3,4-12+13 ]                |                               |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2,5-10+11+14 ] |                               |                    |
| * Lung               |  | Hepatoblastoma                | Metastatic (Liver) |
|                      |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose               | Olfactory Epi                                      | Accumulation, Hyaline Droplet | Minimal            |
|                      | Respirat Epith                                     | Hyperplasia                   | Minimal            |
|                      |  | Inflammation                  | Minimal            |
| * Preputial Gland    | Olfactory Epi                                      | Pigmentation                  | Minimal            |
|                      |  | Ectasia                       | Marked             |
|                      |  | Inflammation                  | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700281

ORGAN AND ACCOUNTABLE SITE STATUS

[ Ectasia TGLs = 6-8 ]

|                             |                |                                  |                   |
|-----------------------------|----------------|----------------------------------|-------------------|
| * Spleen                    |                | Hematopoietic Cell Proliferation | Marked            |
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis                   | Moderate          |
|                             | Epithelium     | Hyperplasia                      | Marked            |
|                             |                | Inflammation                     | Moderate          |
| [ Hyperplasia TGLs = 7-15 ] |                |                                  |                   |
| * Thymus                    |                | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland             | Follicle       | Hyperplasia                      | Minimal           |
|                             | Follicular Cel | Hypertrophy                      | Mild              |
| Tooth                       |                | Dysplasia                        |                   |

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Prostate               | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Glandular     | * Testes                   | * Thymus                  |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                   |   |                                  |                    |
|-------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Minimal            |
| * Bone Marrow     |   | Hyperplasia                      | Mild               |
| * Heart           |   | Cardiomyopathy                   | Minimal            |
| * Kidney          |   | Mineralization                   | Minimal            |
|                   |   | Nephropathy                      | Minimal            |
| * Liver           |   | Basophilic Focus                 |                    |
|                   |   | Clear Cell Focus                 |                    |
|                   |   | Eosinophilic Focus               |                    |
|                   |   | Hepatoblastoma                   |                    |
|                   |   | Hepatocellular Adenoma           |                    |
|                   |   | Hepatocellular Carcinoma         | Multiple           |
|                   |   | Hypertrophy                      | Marked             |
|                   |   | Inflammation                     | Mild               |
|                   | [ Hepatoblastoma TGLs = 3-12 ]                          |                                  |                    |
|                   | [ Hepatocellular Carcinoma TGLs = 1,2,4,5-10+11+13+14 ] |                                  |                    |
| * Lung            |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose            | Respirat Epith  | Hyperplasia                      | Minimal            |
| * Preputial Gland |   | Inflammation                     | Minimal            |
| * Spleen          |   | Hematopoietic Cell Proliferation | Moderate           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700282

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                |          |
|-----------------------------|----------------|----------------|----------|
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis | Moderate |
|                             | Epithelium     | Hyperplasia    | Marked   |
|                             |                | Inflammation   | Moderate |
|                             | Epithelium     | Ulcer          | Minimal  |
| [ Hyperplasia TGLs = 6-15 ] |                |                |          |
| * Thyroid Gland             | Follicular Cel | Hypertrophy    | Mild     |
| Tooth                       |                | Dysplasia      |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                        |  |                                  |                    |
|------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal            |
| * Bone Marrow          |  | Hyperplasia                      | Moderate           |
| * Epididymis           |  | Infiltration Cellular            | Lymphoid, Minimal  |
| * Islets, Pancreatic   |  | Hyperplasia                      | Minimal            |
| * Kidney               |  | Nephropathy                      | Minimal            |
| * Liver                |  | Clear Cell Focus                 |                    |
|                        |  | Eosinophilic Focus               |                    |
|                        |  | Hepatocellular Carcinoma         | Multiple           |
|                        |  | Hypertrophy                      | Mild               |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,3,5,6-10+11+12+13+14 ] |                                  |                    |
| * Lung                 |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose                 | Respirat Epith   | Hyperplasia                      | Minimal            |
| * Preputial Gland      |  | Inflammation                     | Minimal            |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate           |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Moderate           |
|                        | Epithelium   | Hyperplasia                      | Marked             |
|                        |  | Inflammation                     | Moderate           |
|                        | Epithelium   | Ulcer                            | Minimal            |
|                        | [ Hyperplasia TGLs = 7-15 ]                                  |                                  |                    |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 181

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 726

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700283

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicle

Hyperplasia

Mild

Follicular Cel

Hypertrophy

Minimal

Tooth

Dysplasia

---

Animal Note: TGLs 4-13 = NCL

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 637

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Pituitary Gland          |
| * Prostate                | * Salivary Glands           | * Seminal Vesicle        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                      |  |                                  |                    |
|----------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular                              | Hyperplasia                      | Minimal            |
| * Bone Marrow        |  | Hyperplasia                      | Moderate           |
| * Islets, Pancreatic |  | Hyperplasia                      | Mild               |
| * Kidney             |  | Mineralization                   | Minimal            |
|                      |  | Pigmentation                     | Moderate           |
| * Liver              |  | Eosinophilic Focus               |                    |
|                      |  | Hepatoblastoma                   | Multiple           |
|                      |  | Hepatocellular Adenoma           | Multiple           |
|                      |  | Hepatocellular Carcinoma         |                    |
|                      | [ Hepatoblastoma TGLs = 1,3-10+11 ]      |                                  |                    |
|                      | [ Hepatocellular Adenoma TGLs = 4-12 ]   |                                  |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 5-13 ] |                                  |                    |
| * Lung               |  | Hepatoblastoma                   | Metastatic (Liver) |
| * Nose               | Olfactory Epi                            | Accumulation, Hyaline Droplet    | Mild               |
|                      | Respirat Epith                           | Hyperplasia                      | Mild               |
|                      |  | Inflammation                     | Minimal            |
| * Preputial Gland    |  | Inflammation                     | Minimal            |
| * Spleen             |  | Hematopoietic Cell Proliferation | Marked             |
| * Thyroid Gland      | Follicular Cel                           | Hypertrophy                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 182

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 637

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700284

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

---

**PRIMARY CAUSE OF DEATH** - Liver Hepatocellular Carcinoma

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Animal Note: TGLs 2 = NCL

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 651

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                                  |                    |
|----------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                      | Minimal            |
| * Bone Marrow        |  | Hyperplasia                      | Moderate           |
| * Islets, Pancreatic |  | Hyperplasia                      | Mild               |
| * Kidney             |  | Nephropathy                      | Minimal            |
|                      |  | Pigmentation                     | Moderate           |
| * Liver              |  | Hepatoblastoma                   | Multiple           |
|                      |  | Hepatocellular Carcinoma         | Multiple           |
|                      |  | Hypertrophy                      | Marked             |
|                      |  | Inflammation                     | Mild               |
|                      | [ Hepatoblastoma TGLs = 1,2,4-10+11+13 ]                       |                                  |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2,3,4 [TGLS = 3,5-12+14] ] |                                  |                    |
| * Lung               |  | Hepatoblastoma                   | Metastatic (Liver) |
|                      |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| Lymph Node           | Inguinal   | Hyperplasia                      | Lymphoid, Minimal  |
| * Nose               | Respirat Epith   | Hyperplasia                      | Minimal            |
| * Preputial Gland    |  | Inflammation                     | Moderate           |
| * Skin               |  | Hepatoblastoma                   | Metastatic (Liver) |
|                      | [ Hepatoblastoma TGLs = 6-15 ]                                 |                                  |                    |
| * Spleen             |  | Hematopoietic Cell Proliferation | Marked             |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 183

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 651

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700285

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicle

Hyperplasia

Minimal

---

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Skin                    | * Stomach, Glandular        | * Testes                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Mammary Gland

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                      | Minimal           |
| * Bone Marrow            |   | Hyperplasia                      | Moderate          |
| * Islets, Pancreatic     |   | Hyperplasia                      | Minimal           |
| * Kidney                 |   | Nephropathy                      | Minimal           |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Hematopoietic Cell Proliferation | Minimal           |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Hepatocellular Carcinoma         | Multiple          |
|                          |   | Hypertrophy                      | Moderate          |
|                          |   | Inflammation                     | Minimal           |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                   |
|                          | Lymph Node  | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mandibular | Bronchial   | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Respirat Epith  | Hyperplasia                      | Minimal           |
| * Preputial Gland        |   | Inflammation                     | Minimal           |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate          |
|                          |   | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Forestomach   | Epithelium  | Hyperkeratosis                   | Marked            |
|                          | Epithelium  | Hyperplasia                      | Marked            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700286

ORGAN AND ACCOUNTABLE SITE STATUS

|                 |                             |                |              |                   |
|-----------------|-----------------------------|----------------|--------------|-------------------|
|                 |                             | Epithelium     | Inflammation | Moderate          |
|                 |                             |                | Ulcer        | Minimal           |
|                 | [ Hyperplasia TGLs = 5-14 ] |                |              |                   |
| * Thymus        |                             |                | Hyperplasia  | Lymphoid, Minimal |
| * Thyroid Gland |                             | Follicle       | Hyperplasia  | Minimal           |
|                 |                             | Follicular Cel | Hypertrophy  | Moderate          |
| Tooth           |                             |                | Dysplasia    |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 699

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Glandular     | * Testes                   |
| * Trachea                 | * Urinary Bladder           |                          |                            |

MISSING

|                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

|                                |  |                                  |          |
|--------------------------------|--|----------------------------------|----------|
| * Adrenal Cortex               | Subcapsular  | Hyperplasia                      | Minimal  |
| * Bone Marrow                  |  | Hyperplasia                      | Moderate |
| * Int Sm Ileum                 |  |                                  |          |
| Note: Intussusception present. |  |                                  |          |
| * Islets, Pancreatic           |  | Hyperplasia                      | Minimal  |
| * Kidney                       |  | Mineralization                   | Minimal  |
|                                |  | Nephropathy                      | Minimal  |
|                                |  | Pigmentation                     | Mild     |
| * Liver                        |  | Clear Cell Focus                 |          |
|                                |  | Eosinophilic Focus               |          |
|                                |  | Hematopoietic Cell Proliferation | Minimal  |
|                                |  | Hepatoblastoma                   |          |
|                                |  | Hepatocellular Carcinoma         | Multiple |
|                                |  | Inflammation                     | Mild     |
|                                | [ Hepatoblastoma TGLs = 2-11 ]                               |                                  |          |
|                                | [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |          |
| * Nose                         | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild     |
| * Preputial Gland              |  | Inflammation                     | Mild     |
| * Spleen                       |  | Hematopoietic Cell Proliferation | Marked   |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 699

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700287

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                |          |
|-----------------------------|----------------|----------------|----------|
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis | Marked   |
|                             | Epithelium     | Hyperplasia    | Marked   |
|                             |                | Inflammation   | Moderate |
|                             | Epithelium     | Ulcer          | Mild     |
| [ Hyperplasia TGLs = 6-15 ] |                |                |          |
| * Thyroid Gland             | Follicle       | Hyperplasia    | Mild     |
|                             | Follicular Cel | Hypertrophy    | Minimal  |
| Tooth                       |                | Dysplasia      |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 658

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Testes                 | * Thymus                   | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |   |                                  |                    |
|------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Minimal            |
| * Bone Marrow          |   | Hyperplasia                      | Moderate           |
| * Heart                |   | Cardiomyopathy                   | Minimal            |
| * Islets, Pancreatic   |   | Hyperplasia                      | Minimal            |
| * Kidney               |   | Nephropathy                      | Minimal            |
| * Liver                |   | Hepatocellular Adenoma           |                    |
|                        |   | Hepatocellular Carcinoma         | Multiple           |
|                        |   | Inflammation                     | Mild               |
|                        |   | Necrosis                         | Mild               |
|                        | [ Hepatocellular Adenoma TGLs = 5-14 ]                  |                                  |                    |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                    |
| * Lung                 |   | Hepatoblastoma                   | Metastatic (Liver) |
| * Nose                 | Olfactory Epi   | Accumulation, Hyaline Droplet    | Minimal            |
|                        | Respirat Epith  | Hyperplasia                      | Minimal            |
| * Preputial Gland      |   | Inflammation                     | Minimal            |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked             |
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis                   | Marked             |
|                        | Epithelium  | Hyperplasia                      | Marked             |
|                        |   | Inflammation                     | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 186

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 658

**DOSE:** 2000 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700288

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Thyroid Gland

Follicle

Hyperplasia

Minimal

Follicular Cel

Hypertrophy

Minimal

Tooth

Dysplasia

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Epididymis             | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Stomach, Glandular     | * Testes                   | * Thymus                  | Tooth                       |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

\* Mammary Gland

OBSERVATIONS

|                        |  |                                  |                 |
|------------------------|--|----------------------------------|-----------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal         |
| * Bone Marrow          |  | Hyperplasia                      | Moderate        |
| * Gallbladder          |  | Hyperplasia                      | Cystic, Minimal |
| * Heart                |  | Cardiomyopathy                   | Minimal         |
| * Islets, Pancreatic   |  | Hyperplasia                      | Minimal         |
| * Kidney               |  | Nephropathy                      | Minimal         |
| * Liver                |  | Eosinophilic Focus               |                 |
|                        |  | Erythrophagocytosis              | Minimal         |
|                        |  | Hepatoblastoma                   |                 |
|                        |  | Hepatocellular Adenoma           | Multiple        |
|                        |  | Hepatocellular Carcinoma         | Multiple        |
|                        |  | Inflammation                     | Mild            |
|                        | [ Hepatoblastoma TGLs = 1-11 ]                             |                                  |                 |
|                        | [ Hepatocellular Carcinoma TGLs = 2,3,4,5-10+12+13+14+15 ] |                                  |                 |
| * Nose                 | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild            |
|                        | Respirat Epith   | Hyperplasia                      | Minimal         |
| * Preputial Gland      |  | Inflammation                     | Minimal         |
| * Spleen               |  | Hematopoietic Cell Proliferation | Marked          |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Marked          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700289

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |              |          |
|-----------------------------|----------------|--------------|----------|
|                             | Epithelium     | Hyperplasia  | Marked   |
|                             |                | Inflammation | Moderate |
|                             | Epithelium     | Ulcer        | Mild     |
| [ Hyperplasia TGLs = 6-15 ] |                |              |          |
| * Thyroid Gland             | Follicle       | Hyperplasia  | Mild     |
|                             | Follicular Cel | Hypertrophy  | Mild     |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Seminal Vesicle        | * Stomach, Glandular       | * Testes                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

MISSING

|                 |          |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

|                      |  |                               |                    |
|----------------------|--|-------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                   | Minimal            |
| * Bone Marrow        |  | Hyperplasia                   | Marked             |
| * Heart              |  | Cardiomyopathy                | Minimal            |
| * Islets, Pancreatic |  | Hyperplasia                   | Minimal            |
| * Kidney             |  | Nephropathy                   | Minimal            |
| * Liver              |  | Eosinophilic Focus            |                    |
|                      |  | Hepatoblastoma                | Multiple           |
|                      |  | Hepatocellular Adenoma        | Multiple           |
|                      |  | Hepatocellular Carcinoma      | Multiple           |
|                      |  | Inflammation                  | Mild               |
|                      | [ Hepatoblastoma TGLs = 5,6-14+15 ]                |                               |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 2,3,4-11+12+13 ] |                               |                    |
| * Lung               |  | Hepatoblastoma                | Metastatic (Liver) |
|                      |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| * Nose               | Olfactory Epi                                      | Accumulation, Hyaline Droplet | Minimal            |
|                      | Respirat Epith                                     | Hyperplasia                   | Minimal            |
| * Preputial Gland    |  | Inflammation                  | Minimal            |
| * Prostate           |  | Inflammation                  | Minimal            |
| * Skin               | Tail   | Schwannoma Nos                |                    |
|                      | [ Schwannoma Nos TGLs = 1-10 ]                     |                               |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 705

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700290

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                |                                  |          |
|------------------------|-----------------------------|----------------|----------------------------------|----------|
| * Spleen               |                             |                | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach |                             | Epithelium     | Hyperkeratosis                   | Marked   |
|                        |                             | Epithelium     | Hyperplasia                      | Marked   |
|                        |                             |                | Inflammation                     | Moderate |
|                        | [ Hyperplasia TGLs = 7-16 ] |                |                                  |          |
| * Thyroid Gland        |                             | Follicle       | Hyperplasia                      | Mild     |
|                        |                             | Follicular Cel | Hypertrophy                      | Mild     |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

**ANIMAL ID:** 189

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 580

**DOSE:** 2000 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |   |               |                               |                      |
|---|---------------|-------------------------------|----------------------|
| * Adrenal Cortex                              | Subcapsular   | Hyperplasia                   | Mild                 |
| * Bone Marrow                                 |               | Hyperplasia                   | Moderate             |
| * Heart                                       |               | Cardiomyopathy                | Mild                 |
|   |               | Thrombosis                    | Minimal              |
| * Kidney                                      |               | Nephropathy                   | Moderate             |
| * Liver                                       |               | Hepatoblastoma                | Multiple             |
|   |               | Hepatocellular Carcinoma      | Multiple             |
|   |               | Hypertrophy                   | Mild                 |
|   |               | Inflammation                  | Mild                 |
|   |               | Mixed Cell Focus              |                      |
|   |               | Necrosis                      | Moderate             |
|   |               | Vacuolization Cytoplasmic     | Mild                 |
|   |               |                               |                      |
| [ Hepatoblastoma TGLs = 2,3,4-11+12+13 ]      |               |                               |                      |
| [ Hepatocellular Carcinoma TGLs = 1,5-10+14 ] |               |                               |                      |
| * Lung  | Alveolus      | Hepatocellular Carcinoma      | Metastatic (Liver)   |
|   |               | Infiltration Cellular         | Histiocyte, Mild     |
|   |               | Inflammation                  | Minimal              |
| * Lymph Node, Mandibular                      |               | Infiltration Cellular         | Histiocyte, Moderate |
| * Nose  | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal              |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 580

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700291

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                       |                                  |          |
|------------------------|-----------------------|----------------------------------|----------|
|                        | Respirat Epith        | Hyperplasia                      | Minimal  |
| * Preputial Gland      |                       | Inflammation                     | Minimal  |
| * Spleen               |                       | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium            | Hyperkeratosis                   | Moderate |
|                        | Epithelium            | Hyperplasia                      | Marked   |
|                        |                       | Inflammation                     | Moderate |
|                        | Epithelium            | Ulcer                            | Moderate |
|                        | [ Ulcer TGLs = 6-15 ] |                                  |          |
| * Testes               |                       | Mineralization                   | Minimal  |
| Tooth                  |                       | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 688

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Pancreas                  |
| * Pituitary Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

|                 |                     |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

|                      |  |                           |                    |
|----------------------|--|---------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia               | Minimal            |
| * Bone Marrow        |  | Hyperplasia               | Moderate           |
| * Epididymis         | Bilateral  | Hepatoblastoma            | Metastatic (Liver) |
|                      | [ Hepatoblastoma TGLs = 1-10 ]                     |                           |                    |
| * Heart              |  | Cardiomyopathy            | Minimal            |
| * Islets, Pancreatic |  | Hyperplasia               | Mild               |
| * Kidney             |  | Cyst                      | Minimal            |
|                      |  | Hepatoblastoma            | Metastatic (Liver) |
|                      |  | Nephropathy               | Minimal            |
|                      |  | Pigmentation              | Mild               |
|                      | [ Hepatoblastoma TGLs = 9-4 ]                      |                           |                    |
| * Liver              |  | Hepatoblastoma            | Multiple           |
|                      |  | Hepatocellular Carcinoma  | Multiple           |
|                      |  | Hypertrophy               | Marked             |
|                      |  | Inflammation              | Mild               |
|                      |  | Necrosis                  | Mild               |
|                      |  | Vacuolization Cytoplasmic | Mild               |
|                      | [ Hepatoblastoma TGLs = 3,7-12+16 ]                |                           |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 4,5,6-13+14+15 ] |                           |                    |
| * Lung               |  | Hepatoblastoma            | Metastatic (Liver) |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 688

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700292

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |                                |                                  |                     |
|--------------------------|--------------------------------|----------------------------------|---------------------|
|                          |                                | Hepatocellular Carcinoma         | Metastatic (Liver)  |
|                          | Alveolus                       | Infiltration Cellular            | Histiocyte, Minimal |
| * Lymph Node, Mesenteric |                                | Hepatoblastoma                   | Metastatic (Liver)  |
|                          | [ Hepatoblastoma TGLs = 8-17 ] |                                  |                     |
| * Nose                   | Olfactory Epi                  | Accumulation, Hyaline Droplet    | Minimal             |
|                          | Respirat Epith                 | Hyperplasia                      | Minimal             |
|                          |                                | Inflammation                     | Minimal             |
| Peritoneum               |                                | Inflammation                     | Moderate            |
| * Preputial Gland        |                                | Inflammation                     | Minimal             |
| Skeletal Muscle          |                                | Cyst                             | Mild                |
|                          |                                | Inflammation                     | Mild                |
|                          | [ Cyst TGLs = 2-11 ]           |                                  |                     |
| * Spleen                 |                                | Hematopoietic Cell Proliferation | Marked              |
| * Stomach, Forestomach   | Epithelium                     | Hyperkeratosis                   | Minimal             |
|                          | Epithelium                     | Hyperplasia                      | Mild                |
| * Thyroid Gland          | Follicular Cel                 | Hypertrophy                      | Minimal             |
| Tooth                    |                                | Dysplasia                        |                     |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 602

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                          |                            |                          |
|---------------------------|--------------------------|----------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel             | * Bone                     | * Brain                  |
| * Epididymis              | * Esophagus              | * Eye                      | * Gallbladder            |
| * Harderian Gland         | * Heart                  | * Intestine Large, Cecum   | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric  | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland        |
| * Prostate                | * Salivary Glands        | * Seminal Vesicle          | * Skin                   |
| * Stomach, Glandular      | * Testes                 | * Thymus                   | * Trachea                |
| * Urinary Bladder         |                          |                            |                          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                             |   |                                  |                    |
|-----------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex            | Subcapsular   | Hyperplasia                      | Minimal            |
| * Bone Marrow               |   | Hyperplasia                      | Moderate           |
| * Intestine Small, Duodenum |   | Ectopic Tissue                   | Mild               |
| Note: Pancreatic tissue.    |   |                                  |                    |
| * Islets, Pancreatic        |   | Hyperplasia                      | Mild               |
| * Kidney                    |   | Mineralization                   | Minimal            |
|                             |   | Pigmentation                     | Moderate           |
| * Liver                     |   | Eosinophilic Focus               |                    |
|                             |   | Hematopoietic Cell Proliferation | Minimal            |
|                             |   | Hepatoblastoma                   |                    |
|                             |   | Hepatocellular Carcinoma         | Multiple           |
|                             |   | Inflammation                     | Mild               |
|                             |   | Necrosis                         | Mild               |
|                             | [ Hepatoblastoma TGLs = 1-10 ]                          |                                  |                    |
|                             | [ Hepatocellular Carcinoma TGLs = 2,3,4,5-11+12+13+14 ] |                                  |                    |
| * Lung                      |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
|                             | Alveolar Epith  | Hyperplasia                      | Mild               |
|                             |   | Inflammation                     | Minimal            |
| * Nose                      | Olfactory Epi   | Accumulation, Hyaline Droplet    | Mild               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 602

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700293

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |          |
|------------------------|-----------------------------|----------------------------------|----------|
| * Preputial Gland      |                             | Ectasia                          | Marked   |
|                        |                             | Inflammation                     | Mild     |
|                        | [ Ectasia TGLs = 6-8 ]      |                                  |          |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate |
|                        | Epithelium                  | Hyperplasia                      | Moderate |
|                        |                             | Inflammation                     | Moderate |
|                        | Epithelium                  | Ulcer                            | Mild     |
|                        | [ Hyperplasia TGLs = 7-15 ] |                                  |          |
| * Thyroid Gland        | Follicular Cel              | Hypertrophy                      | Minimal  |
| Tooth                  |                             | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700294

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Seminal Vesicle          | * Skin                    |
| * Testes                    | * Thymus                 | * Trachea                  | * Urinary Bladder         |

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

|                      |  |                                  |                      |
|----------------------|--|----------------------------------|----------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                      | Minimal              |
| * Bone Marrow        |  | Hyperplasia                      | Moderate             |
| * Heart              |  | Cardiomyopathy                   | Mild                 |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal              |
| * Kidney             |  | Mineralization                   | Minimal              |
|                      |  | Nephropathy                      | Minimal              |
| * Liver              |  | Clear Cell Focus                 |                      |
|                      |  | Eosinophilic Focus               |                      |
|                      |  | Erythrophagocytosis              | Minimal              |
|                      |  | Hepatocellular Carcinoma         | Multiple             |
|                      |  | Inflammation                     | Mild                 |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |                      |
| * Nose               | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild                 |
|                      |  | Inflammation                     | Minimal              |
|                      | Glands   | Metaplasia                       | Respiratory, Minimal |
|                      | Olfactory Epi  | Pigmentation                     | Minimal              |
| * Pancreas           |  | Infiltration Cellular            | Lymphoid, Minimal    |
| * Preputial Gland    |  | Inflammation                     | Minimal              |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate             |
|                      |  | Hyperplasia                      | Lymphoid, Mild       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700294

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                |                |          |
|------------------------|----------------|----------------|----------|
| * Stomach, Forestomach | Epithelium     | Hyperkeratosis | Marked   |
|                        | Epithelium     | Hyperplasia    | Marked   |
|                        |                | Inflammation   | Moderate |
|                        | Epithelium     | Ulcer          | Moderate |
| [ Ulcer TGLs = 6-14 ]  |                |                |          |
| * Stomach, Glandular   | Epithelium     | Hyperplasia    | Mild     |
| * Thyroid Gland        | Follicle       | Hyperplasia    | Minimal  |
|                        | Follicular Cel | Hypertrophy    | Mild     |
| Tooth                  |                | Dysplasia      |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Parathyroid Gland        | * Pituitary Gland         |
| * Prostate                  | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| * Testes                    | * Thymus                 | * Thyroid Gland            | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                      |  |                               |                    |
|----------------------|--|-------------------------------|--------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                   | Minimal            |
| * Bone Marrow        |  | Hyperplasia                   | Moderate           |
| * Epididymis         |  | Inflammation                  | Minimal            |
| * Islets, Pancreatic |  | Hyperplasia                   | Minimal            |
| * Liver              |  | Hepatoblastoma                | Multiple           |
|                      |  | Hepatocellular Carcinoma      | Multiple           |
|                      |  | Inflammation                  | Mild               |
|                      |  | Necrosis                      | Mild               |
|                      |  | Vacuolization Cytoplasmic     | Minimal            |
|                      | [ Hepatoblastoma TGLs = 3,6-11+14 ]                |                               |                    |
|                      | [ Hepatocellular Carcinoma TGLs = 4,5,7-12+13+15 ] |                               |                    |
| * Lung               |  | Hepatoblastoma                | Metastatic (Liver) |
|                      |  | Hepatocellular Carcinoma      | Metastatic (Liver) |
| Lymph Node           | Bronchial  | Hyperplasia                   | Lymphoid, Mild     |
| Mesentery            |  | Hepatoblastoma                | Metastatic (Liver) |
|                      | [ Hepatoblastoma TGLs = 1-10 ]                     |                               |                    |
| * Nose               | Olfactory Epi                                      | Accumulation, Hyaline Droplet | Minimal            |
| * Pancreas           |  | Inflammation                  | Minimal            |
| * Preputial Gland    |  | Inflammation                  | Minimal            |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 604

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700295

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |            |                                  |          |
|------------------------|------------|----------------------------------|----------|
| * Seminal Vesicle      |            | Inflammation                     | Minimal  |
| * Spleen               |            | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach | Epithelium | Hyperkeratosis                   | Marked   |
|                        | Epithelium | Hyperplasia                      | Moderate |
|                        |            | Inflammation                     | Mild     |
| Tooth                  |            | Dysplasia                        |          |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                   | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder            | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lymph Node, Mesenteric | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate               | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Glandular     | * Testes                  |
| * Thymus                    | Tooth                    | * Trachea                | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |  |                                  |                    |
|----------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular  | Hyperplasia                      | Minimal            |
| * Bone Marrow              |  | Hyperplasia                      | Moderate           |
| * Epididymis               |  | Infiltration Cellular            | Lymphoid, Minimal  |
| * Intestine Small, Jejunum |  | Hyperplasia                      | Lymphoid, Minimal  |
| * Islets, Pancreatic       |  | Hyperplasia                      | Minimal            |
| * Kidney                   |  | Mineralization                   | Minimal            |
|                            |  | Nephropathy                      | Minimal            |
| * Liver                    |  | Eosinophilic Focus               |                    |
|                            |  | Erythrophagocytosis              | Mild               |
|                            |  | Hematopoietic Cell Proliferation | Minimal            |
|                            |  | Hepatocellular Carcinoma         | Multiple           |
|                            |  | Inflammation                     | Mild               |
|                            |  | Necrosis                         | Minimal            |
|                            | [ Hepatocellular Carcinoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |                    |
| * Lung                     |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| Lymph Node                 | Bronchial  | Hyperplasia                      | Lymphoid, Minimal  |
|                            | Inguinal   | Hyperplasia                      | Lymphoid, Minimal  |
| * Lymph Node, Mandibular   |  | Hyperplasia                      | Lymphoid, Mild     |
| * Nose                     | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal            |
|                            | Respirat Epith   | Hyperplasia                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700296

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                                  |          |
|-----------------------------|----------------|----------------------------------|----------|
|                             |                | Inflammation                     | Mild     |
|                             |                | Pigmentation                     | Minimal  |
| * Preputial Gland           | Olfactory Epi  | Inflammation                     | Minimal  |
| * Spleen                    |                | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis                   | Moderate |
|                             | Epithelium     | Hyperplasia                      | Marked   |
|                             |                | Inflammation                     | Moderate |
|                             | Epithelium     | Ulcer                            | Moderate |
| [ Hyperplasia TGLs = 6-15 ] |                |                                  |          |
| * Thyroid Gland             | Follicle       | Hyperplasia                      | Mild     |
|                             | Follicular Cel | Hypertrophy                      | Mild     |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 586

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       |
| * Testes                  | * Thyroid Gland             | * Trachea                | * Urinary Bladder          |

MISSING

\* Mammary Gland

OBSERVATIONS

|                   |  |                               |                   |
|-------------------|--|-------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                   | Minimal           |
| * Bone Marrow     |  | Hyperplasia                   | Mild              |
| * Kidney          |  | Nephropathy                   | Minimal           |
| * Liver           |  | Clear Cell Focus              |                   |
|                   |  | Eosinophilic Focus            |                   |
|                   |  | Hepatoblastoma                |                   |
|                   |  | Hepatocellular Adenoma        | Multiple          |
|                   |  | Hepatocellular Carcinoma      | Multiple          |
|                   |  | Hypertrophy                   | Marked            |
|                   |  | Mixed Cell Focus              |                   |
|                   |  | Necrosis                      | Moderate          |
|                   |  | Vacuolization Cytoplasmic     | Mild              |
|                   | [ Hepatoblastoma TGLs = 2-10 ]                     |                               |                   |
|                   | [ Hepatocellular Adenoma TGLs = 3,4,5,6-11+12+13 ] |                               |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 7,8-14+15 ]      |                               |                   |
| Lymph Node        | Inguinal   | Hyperplasia                   | Lymphoid, Minimal |
| * Nose            | Olfactory Epi                                      | Accumulation, Hyaline Droplet | Minimal           |
| * Preputial Gland |  | Ectasia                       | Moderate          |
|                   |  | Inflammation                  | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 586

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700297

ORGAN AND ACCOUNTABLE SITE STATUS

[ Ectasia TGLs = 1-8 ]

\* Spleen

Hematopoietic Cell Proliferation

Marked

\* Stomach, Forestomach

Epithelium

Hyperkeratosis

Moderate

Epithelium

Hyperplasia

Moderate

Inflammation

Mild

[ Hyperplasia TGLs = 9-16 ]

\* Thymus

Hyperplasia

Lymphoid, Mild

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Epididymis              | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Prostate                  | * Salivary Glands        | * Seminal Vesicle          |
| * Stomach, Glandular      | * Testes                    | * Thymus                 | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                      |  |                          |                   |
|----------------------|--|--------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia              | Minimal           |
| * Bone Marrow        |  | Hyperplasia              | Moderate          |
| Ear                  |  | Neural Crest Tumor       |                   |
|                      | [ Neural Crest Tumor TGLs = 1-11 ]                 |                          |                   |
| * Islets, Pancreatic |  | Hyperplasia              | Minimal           |
| * Kidney             |  | Nephropathy              | Minimal           |
|                      |  | Pigmentation             | Minimal           |
| * Liver              |  | Eosinophilic Focus       |                   |
|                      |  | Hepatoblastoma           | Multiple          |
|                      |  | Hepatocellular Adenoma   |                   |
|                      |  | Hepatocellular Carcinoma | Multiple          |
|                      | [ Hepatoblastoma TGLs = 2,5,6-10+12+15 ]           |                          |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 3,4,5-13+14+15 ] |                          |                   |
| * Lung               |  | Metaplasia               | Osseous, Minimal  |
| Lymph Node           | Inguinal   | Hyperplasia              | Lymphoid, Minimal |
| * Nose               | Respirat Epith                                     | Hyperplasia              | Minimal           |
| * Preputial Gland    |  | Ectasia                  | Moderate          |
|                      |  | Inflammation             | Mild              |
|                      | [ Ectasia TGLs = 7-8 ]                             |                          |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700298

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Skin                 | Pinna  | Amelanotic Melanoma, Malignant   |          |
|                        | [ Amelanotic Melanoma, Malignant TGLs = 1-11 ] |                                  |          |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium                                     | Hyperkeratosis                   | Marked   |
|                        | Epithelium                                     | Hyperplasia                      | Mild     |
|                        |  | Inflammation                     | Mild     |
| * Thyroid Gland        | Follicle                                       | Hyperplasia                      | Minimal  |
| Tooth                  |  | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Brain                  |
| * Epididymis               | * Esophagus               | * Eye                       | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Pancreas                 | * Parathyroid Gland       | * Prostate                  | * Salivary Glands        |
| * Seminal Vesicle          | * Skin                    | * Stomach, Glandular        | * Testes                 |
| * Thymus                   | * Trachea                 | * Urinary Bladder           |                          |

MISSING

|               |                 |
|---------------|-----------------|
| * Gallbladder | * Mammary Gland |
|---------------|-----------------|

OBSERVATIONS

|                      |   |                          |          |
|----------------------|---|--------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                   | Hyperplasia              | Minimal  |
|                      |   | Hypertrophy              | Moderate |
| * Bone Marrow        |   | Hyperplasia              | Mild     |
| * Harderian Gland    |   | Carcinoma                |          |
|                      | [ Carcinoma TGLs = 6-9 ]                      |                          |          |
| * Heart              |   | Cardiomyopathy           | Mild     |
| * Islets, Pancreatic |   | Hyperplasia              | Minimal  |
| * Kidney             |   | Nephropathy              | Mild     |
|                      |   | Pigmentation             | Moderate |
| * Liver              |   | Eosinophilic Focus       |          |
|                      |   | Hepatoblastoma           |          |
|                      |   | Hepatocellular Adenoma   | Multiple |
|                      |   | Hepatocellular Carcinoma | Multiple |
|                      |   | Inflammation             | Mild     |
|                      | [ Hepatoblastoma TGLs = 2-11 ]                |                          |          |
|                      | [ Hepatocellular Adenoma TGLs = 1,4-10+13 ]   |                          |          |
|                      | [ Hepatocellular Carcinoma TGLs = 3,5-12+14 ] |                          |          |
| * Nose               | Respirat Epith                                | Hyperplasia              | Minimal  |
| * Pituitary Gland    |   | Cyst                     | Mild     |
| * Preputial Gland    |   | Inflammation             | Mild     |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700299

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |                                  |          |
|-----------------------------|----------------|----------------------------------|----------|
| * Spleen                    |                | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis                   | Moderate |
|                             | Epithelium     | Hyperplasia                      | Moderate |
|                             |                | Inflammation                     | Mild     |
| [ Hyperplasia TGLs = 7-15 ] |                |                                  |          |
| * Thyroid Gland             | Follicle       | Hyperplasia                      | Minimal  |
|                             | Follicular Cel | Hypertrophy                      | Minimal  |
| Tooth                       |                | Dysplasia                        |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 620

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

MISSING

\* Mammary Gland

OBSERVATIONS

|                   |   |                           |          |
|-------------------|---|---------------------------|----------|
| * Adrenal Cortex  | Subcapsular                                   | Hyperplasia               | Minimal  |
| * Bone Marrow     |   | Hyperplasia               | Moderate |
| * Harderian Gland |   | Carcinoma                 |          |
|                   | [ Carcinoma TGLs = 1-9 ]                      |                           |          |
| * Kidney          |   | Mineralization            | Minimal  |
|                   |   | Nephropathy               | Mild     |
|                   |   | Pigmentation              | Mild     |
| * Liver           |   | Eosinophilic Focus        |          |
|                   |   | Hepatoblastoma            |          |
|                   |   | Hepatocellular Adenoma    | Multiple |
|                   |   | Hepatocellular Carcinoma  | Multiple |
|                   |   | Inflammation              | Mild     |
|                   |   | Necrosis                  | Moderate |
|                   |   | Vacuolization Cytoplasmic | Minimal  |
|                   | [ Hepatoblastoma TGLs = 2-10 ]                |                           |          |
|                   | [ Hepatocellular Adenoma TGLs = 3,5-11+13 ]   |                           |          |
|                   | [ Hepatocellular Carcinoma TGLs = 4,5-12+13 ] |                           |          |
| * Nose            | Respirat Epith                                | Hyperplasia               | Minimal  |
| * Preputial Gland |   | Inflammation              | Mild     |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 198

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 620

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700300

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Prostate

Inflammation

Mild

\* Spleen

Hematopoietic Cell Proliferation

Marked

Tooth

Dysplasia

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatoblastoma

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Epididymis                | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Prostate                 | * Salivary Glands         |
| * Seminal Vesicle           | * Skin                   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Mammary Gland

OBSERVATIONS

|                            |  |                                  |                    |
|----------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular                            | Hyperplasia                      | Minimal            |
| * Bone Marrow              |  | Hyperplasia                      | Moderate           |
| * Heart                    |  | Cardiomyopathy                   | Minimal            |
| * Liver                    |  | Hepatocellular Carcinoma         | Multiple           |
|                            |  | Inflammation                     | Mild               |
|                            |  | Vacuolization Cytoplasmic        | Mild               |
| [ Hepatocellular Carcinoma | TGLs = 2,3,4,5,6,7-11+12+13+14+15+16 ] |                                  |                    |
| * Lung                     |  | Alveolar/Bronchiolar Carcinoma   |                    |
|                            |  | Hepatoblastoma                   | Metastatic (Liver) |
| Lymph Node                 | Bronchial                              | Infiltration Cellular            | Histiocyte, Mild   |
| * Nose                     | Olfactory Epi                          | Accumulation, Hyaline Droplet    | Minimal            |
|                            | Respirat Epith                         | Hyperplasia                      | Minimal            |
|                            | Olfactory Epi                          | Pigmentation                     | Minimal            |
| * Preputial Gland          |  | Inflammation                     | Minimal            |
| * Spleen                   |  | Hematopoietic Cell Proliferation | Mild               |
| * Stomach, Forestomach     | Epithelium                             | Hyperkeratosis                   | Moderate           |
|                            |  | Inflammation                     | Minimal            |
|                            |  | Squamous Cell Papilloma          | Multiple           |
| * Thyroid Gland            | Follicular Cel                         | Hypertrophy                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 199

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 717

**DOSE:** 2000 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700301

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Tooth

Dysplasia

---

**PRIMARY CAUSE OF DEATH**

- Liver Hepatocellular Carcinoma

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700302

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                          |                           |                             |                          |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla        | Blood Vessel              | * Bone                      | * Brain                  |
| * Esophagus              | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Lung                   | * Lymph Node, Mesenteric  | * Pancreas                  | * Prostate               |
| * Seminal Vesicle        | * Skin                    | * Stomach, Glandular        | * Testes                 |
| * Thymus                 | * Trachea                 | * Urinary Bladder           |                          |

**MISSING**

|                 |                     |                   |
|-----------------|---------------------|-------------------|
| * Mammary Gland | * Parathyroid Gland | * Pituitary Gland |
|-----------------|---------------------|-------------------|

**OBSERVATIONS**

|                            |             |                           |                    |
|----------------------------|-------------|---------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular | Hyperplasia               | Minimal            |
| * Bone Marrow              |             | Hyperplasia               | Moderate           |
| * Epididymis               |             | Inflammation              | Moderate           |
| * Harderian Gland          |             | Cyst                      | Mild               |
| * Heart                    |             | Cardiomyopathy            | Minimal            |
| * Intestine Small, Jejunum |             | Hyperplasia               | Lymphoid, Moderate |
| * Islets, Pancreatic       |             | Hyperplasia               | Mild               |
| * Kidney                   |             | Cyst                      | Minimal            |
|                            |             | Mineralization            | Minimal            |
|                            |             | Nephropathy               | Minimal            |
| * Liver                    |             | Clear Cell Focus          |                    |
|                            |             | Eosinophilic Focus        |                    |
|                            |             | Erythrophagocytosis       | Minimal            |
|                            |             | Hepatoblastoma            |                    |
|                            |             | Hepatocellular Adenoma    | Multiple           |
|                            |             | Hepatocellular Carcinoma  | Multiple           |
|                            |             | Hypertrophy               | Marked             |
|                            |             | Inflammation              | Mild               |
|                            |             | Mixed Cell Focus          |                    |
|                            |             | Vacuolization Cytoplasmic | Minimal            |

[ Hepatoblastoma TGLs = 1-10 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700302

ORGAN AND ACCOUNTABLE SITE STATUS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
|                          | [ Hepatocellular Adenoma TGLs = 5-14 ]                       |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3,4,6-10+11+12+13+15 ] |                                  |                   |
| Lymph Node               | Inguinal   | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Mild    |
| * Nose                   | Respirat Epith   | Hyperplasia                      | Minimal           |
|                          | Olfactory Epi  | Pigmentation                     | Mild              |
| * Preputial Gland        |  | Inflammation                     | Mild              |
| * Salivary Glands        |  | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate          |
|                          |  | Hyperplasia                      | Mild              |
| * Stomach, Forestomach   | Epithelium   | Erosion                          | Mild              |
|                          | Epithelium   | Hyperkeratosis                   | Marked            |
|                          | Epithelium   | Hyperplasia                      | Marked            |
|                          |  | Inflammation                     | Moderate          |
|                          | [ Hyperplasia TGLs = 7-16 ]                                  |                                  |                   |
| * Thyroid Gland          | Follicular Cel   | Hypertrophy                      | Minimal           |
| Tooth                    |  | Dysplasia                        |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 6

DOSE: 0 mg/kg

DISP: Dosing Accident

HISTO: 0700303

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Clitoral Gland            | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

|  |          |                                  |                |
|--|----------|----------------------------------|----------------|
| * Bone Marrow  |          | Hyperplasia                      | Mild           |
| * Esophagus  |          | Inflammation                     | Mild           |
|  |          | Perforation                      | Mild           |
| Note: Plant material (food) present.                           |          |                                  |                |
| * Lung   | Pleura   | Inflammation                     | Mild           |
| Note: Pleural and subpleural inflammation due to gavage error. |          |                                  |                |
| Lymph Node   | Inguinal | Hyperplasia                      | Lymphoid, Mild |
| * Spleen   |          | Hematopoietic Cell Proliferation | Moderate       |
| * Thymus   |          | Necrosis                         | Mild           |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Salivary Glands         |
| * Stomach, Glandular        | Tooth                    | * Trachea                  | * Urinary Bladder         |
| * Uterus                    |                          |                            |                           |

OBSERVATIONS

|                          |   |                                  |                    |
|--------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex         |   | Hematopoietic Cell Proliferation | Minimal            |
|                          | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow            |   | Hyperplasia                      | Mild               |
| * Heart                  |   | Cardiomyopathy                   | Minimal            |
| * Islets, Pancreatic     |   | Hyperplasia                      | Minimal            |
| * Kidney                 |   | Mineralization                   | Minimal            |
|                          |   | Nephropathy                      | Minimal            |
| * Liver                  |   | Eosinophilic Focus               |                    |
|                          |   | Hematopoietic Cell Proliferation | Minimal            |
|                          |   | Hepatocellular Adenoma           | Multiple           |
|                          |   | Hepatocellular Carcinoma         | Multiple           |
|                          |   | Inflammation                     | Mild               |
|                          | [ Hepatocellular Adenoma TGLs = 3,4-12+13 ]   |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                                  |                    |
| * Lung                   |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Mild     |
| * Lymph Node, Mesenteric |   | Hyperplasia                      | Lymphoid, Mild     |
| * Nose                   |   | Inflammation                     | Minimal            |
|                          | Glands  | Metaplasia                       | Minimal            |
| * Pituitary Gland        | Pars Distalis                                 | Hyperplasia                      | Mild               |
| * Skin                   |   | Basal Cell Carcinoma             |                    |
|                          | [ Basal Cell Carcinoma TGLs = 5-14 ]          |                                  |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 202

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700304

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |            |                                  |                |
|------------------------|------------|----------------------------------|----------------|
| * Spleen               |            | Hematopoietic Cell Proliferation | Marked         |
| * Stomach, Forestomach | Epithelium | Hyperkeratosis                   | Moderate       |
|                        | Epithelium | Hyperplasia                      | Moderate       |
|                        |            | Inflammation                     | Mild           |
| * Thymus               |            | Hyperplasia                      | Lymphoid, Mild |
| * Thyroid Gland        |            | Ultimobranchial Cyst             | Multiple       |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Salivary Glands           | * Skin                   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          | * Uterus                  |

OBSERVATIONS

|                           |                    |                                  |          |
|---------------------------|--------------------|----------------------------------|----------|
| * Adrenal Cortex          | Subcapsular        | Hyperplasia                      | Minimal  |
| * Bone                    |                    | Osteoporosis                     | Mild     |
| * Bone Marrow             |                    | Hyperplasia                      | Minimal  |
| * Islets, Pancreatic      |                    | Hyperplasia                      | Mild     |
| * Liver                   |                    | Basophilic Focus                 |          |
|                           |                    | Eosinophilic Focus               |          |
|                           |                    | Hepatocellular Adenoma           | Multiple |
|                           |                    | Inflammation                     | Minimal  |
|                           |                    | Vacuolization Cytoplasmic        | Moderate |
| [ Hepatocellular Adenoma  | TGLs = 1,2-10+11 ] |                                  |          |
| * Pituitary Gland         | Pars Distalis      | Hyperplasia                      | Mild     |
| * Spleen                  |                    | Hematopoietic Cell Proliferation | Moderate |
|                           |                    | Pigmentation                     | Minimal  |
| * Stomach, Forestomach    |                    | Squamous Cell Papilloma          |          |
| [ Squamous Cell Papilloma | TGLs = 4-13 ]      |                                  |          |
| * Thyroid Gland           |                    | Ultimobranchial Cyst             | Multiple |

Animal Note: TGLs 3-12 = NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thyroid Gland           | Tooth                       | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

|                   |  |                                  |                 |
|-------------------|--|----------------------------------|-----------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia                      | Minimal         |
| * Kidney          |  | Nephropathy                      | Minimal         |
| * Liver           |  | Eosinophilic Focus               |                 |
|                   |  | Hepatocellular Adenoma           | Multiple        |
|                   |  | Hepatocellular Carcinoma         |                 |
|                   |  | Inflammation                     | Mild            |
|                   |  | Mixed Cell Focus                 |                 |
|                   |  | Vacuolization Cytoplasmic        | Moderate        |
|                   | [ Eosinophilic Focus TGLs = 3,4-12+13 ]  |                                  |                 |
|                   | [ Hepatocellular Adenoma TGLs = 2-11 ]   |                                  |                 |
|                   | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                 |
| * Nose            | Respirat Epith                           | Hyperplasia                      | Minimal         |
|                   |  | Inflammation                     | Minimal         |
| * Pituitary Gland | Pars Intermed                            | Adenoma                          |                 |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate        |
|                   |  | Hyperplasia                      | Lymphoid, Mild  |
|                   |  | Pigmentation                     | Minimal         |
| * Thymus          |  | Hyperplasia                      | Lymphoid, Mild  |
| * Uterus          |  | Fibrosis                         | Minimal         |
|                   | Endometrium                              | Hyperplasia                      | Cystic, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                            | Hyperplasia                      | Minimal           |
| * Bone Marrow    |  | Hyperplasia                      | Mild              |
| * Liver          |  | Eosinophilic Focus               |                   |
|                  |  | Hepatocellular Adenoma           |                   |
|                  |  | Inflammation                     | Minimal           |
|                  |  | Mixed Cell Focus                 |                   |
|                  | [ Hepatocellular Adenoma TGLs = 4-11 ] |                                  |                   |
|                  | [ Mixed Cell Focus TGLs = 3-10 ]       |                                  |                   |
| Lymph Node       | Bronchial                              | Hyperplasia                      | Lymphoid, Mild    |
| * Ovary          |  | Hemangiosarcoma                  |                   |
|                  | [ Hemangiosarcoma TGLs = 1-7 ]         |                                  |                   |
| * Spleen         |  | Hematopoietic Cell Proliferation | Moderate          |
|                  |  | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus         | Endometrium                            | Hyperplasia                      | Cystic, Marked    |
|                  | [ Hyperplasia TGLs = 2-7 ]             |                                  |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                          |                                    |                                  |                 |
|--------------------------|------------------------------------|----------------------------------|-----------------|
| * Adrenal Cortex         |                                    | Hematopoietic Cell Proliferation | Minimal         |
|                          | Subcapsular                        | Hyperplasia                      | Minimal         |
| Blood Vessel             |                                    | Mineralization                   | Mild            |
| * Kidney                 |                                    | Lymphoma Malignant               |                 |
|                          |                                    | Nephropathy                      | Mild            |
| * Liver                  |                                    | Basophilic Focus                 |                 |
|                          |                                    | Eosinophilic Focus               |                 |
|                          |                                    | Inflammation                     | Mild            |
|                          |                                    | Lymphoma Malignant               |                 |
|                          | [ Basophilic Focus TGLs = 1-12 ]   |                                  |                 |
| * Lymph Node, Mandibular |                                    | Lymphoma Malignant               |                 |
|                          | [ Lymphoma Malignant TGLs = 2-11 ] |                                  |                 |
| * Nose                   | Olfactory Epi                      | Degeneration                     | Mild            |
|                          |                                    | Inflammation                     | Minimal         |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Moderate        |
|                          |                                    | Lymphoma Malignant               |                 |
| * Uterus                 | Endometrium                        | Hyperplasia                      | Cystic, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 721

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Clitoral Gland         | * Esophagus                |
| * Eye                     | * Gallbladder               | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Skin                    | * Stomach, Forestomach      | * Thymus                 | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                      |                                    |                                  |          |
|----------------------|------------------------------------|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                        | Hyperplasia                      | Minimal  |
|                      |                                    | Lymphoma Malignant               |          |
| * Bone               |                                    | Osteoporosis                     | Minimal  |
| * Bone Marrow        |                                    | Hyperplasia                      | Mild     |
| * Brain              |                                    | Lymphoma Malignant               |          |
| * Harderian Gland    |                                    | Lymphoma Malignant               |          |
| * Heart              |                                    | Cardiomyopathy                   | Minimal  |
| * Kidney             |                                    | Lymphoma Malignant               |          |
|                      |                                    | Nephropathy                      | Mild     |
| * Liver              |                                    | Lymphoma Malignant               |          |
| * Lung               |                                    | Lymphoma Malignant               |          |
| Lymph Node           | Pancreatic                         | Lymphoma Malignant               |          |
|                      | Mediastinal                        | Lymphoma Malignant               |          |
|                      | [ Lymphoma Malignant TGLs = 2-11 ] |                                  |          |
|                      | [ Lymphoma Malignant TGLs = 3-12 ] |                                  |          |
| * Nose               | Olfactory Epi                      | Degeneration                     | Mild     |
|                      | Respirat Epith                     | Hyperplasia                      | Minimal  |
| * Salivary Glands    |                                    | Lymphoma Malignant               |          |
| * Spleen             |                                    | Hematopoietic Cell Proliferation | Moderate |
|                      |                                    | Lymphoma Malignant               |          |
|                      | [ Lymphoma Malignant TGLs = 1-10 ] |                                  |          |
| * Stomach, Glandular |                                    | Mineralization                   | Minimal  |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 207

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** 0 mg/kg

**DISP:** Natural Death

**HISTO:** 0700309

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

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PRIMARY CAUSE OF DEATH

- Spleen Lymphoma Malignant

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700310

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thyroid Gland           | Tooth                       | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

**OBSERVATIONS**

|                  |                                    |                                  |                  |
|------------------|------------------------------------|----------------------------------|------------------|
| * Adrenal Cortex | Subcapsular                        | Hyperplasia                      | Minimal          |
| * Kidney         |                                    | Infarct                          | Minimal          |
| * Liver          |                                    | Eosinophilic Focus               |                  |
|                  |                                    | Fatty Change                     | Focal            |
|                  |                                    | Hematopoietic Cell Proliferation | Minimal          |
|                  |                                    | Inflammation                     | Minimal          |
|                  |                                    | Mixed Cell Focus                 |                  |
|                  |                                    | Vacuolization Cytoplasmic        | Minimal          |
|                  | [ Eosinophilic Focus TGLs = 2-11 ] |                                  |                  |
|                  | [ Mixed Cell Focus TGLs = 1-10 ]   |                                  |                  |
| * Nose           | Respirat Epith                     | Hyperplasia                      | Minimal          |
| * Ovary          |                                    | Cyst                             | Moderate         |
|                  | [ Cyst TGLs = 3-7 ]                |                                  |                  |
| * Spleen         |                                    | Hematopoietic Cell Proliferation | Moderate         |
|                  |                                    | Hyperplasia                      | Lymphoid, Mild   |
| * Thymus         |                                    | Hyperplasia                      | Lymphoid, Mild   |
| * Uterus         | Endometrium                        | Hyperplasia                      | Cystic, Moderate |
|                  | [ Hyperplasia TGLs = 4-7 ]         |                                  |                  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Gallbladder               |
| * Heart                  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thyroid Gland            | Tooth                     | * Trachea                   |
| * Urinary Bladder        | * Uterus                   |                           |                             |

OBSERVATIONS

|                          |  |                                  |          |
|--------------------------|--|----------------------------------|----------|
| * Adrenal Cortex         | Subcapsular                            | Hyperplasia                      | Mild     |
| * Bone Marrow            |  | Hyperplasia                      | Minimal  |
| * Harderian Gland        |  | Adenoma                          |          |
| * Intestine Large, Cecum |  | Lymphoma Malignant               |          |
|                          | [ Lymphoma Malignant TGLs = 4-13 ]     |                                  |          |
| * Liver                  |  | Basophilic Focus                 |          |
|                          |  | Eosinophilic Focus               |          |
|                          |  | Hepatocellular Adenoma           |          |
|                          |  | Inflammation                     | Minimal  |
|                          |  | Vacuolization Cytoplasmic        | Mild     |
|                          | [ Basophilic Focus TGLs = 1-10 ]       |                                  |          |
|                          | [ Eosinophilic Focus TGLs = 2-11 ]     |                                  |          |
|                          | [ Hepatocellular Adenoma TGLs = 2-11 ] |                                  |          |
| * Lymph Node, Mesenteric |  | Lymphoma Malignant               |          |
| * Ovary                  |  | Cyst                             | Mild     |
| * Pituitary Gland        | Pars Distalis                          | Hyperplasia                      | Minimal  |
| * Salivary Glands        |  | Lymphoma Malignant               |          |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate |
|                          |  | Lymphoma Malignant               |          |
|                          | [ Lymphoma Malignant TGLs = 3-12 ]     |                                  |          |
| * Thymus                 |  | Lymphoma Malignant               |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Skin                    |
| * Stomach, Glandular        | Tooth                    | * Trachea                  |                           |

OBSERVATIONS

|                        |                |                                  |                   |
|------------------------|----------------|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular    | Hyperplasia                      | Minimal           |
| * Bone Marrow          |                | Hyperplasia                      | Minimal           |
| * Clitoral Gland       |                | Inflammation                     | Minimal           |
| * Kidney               |                | Mineralization                   | Minimal           |
|                        |                | Nephropathy                      | Mild              |
| * Liver                |                | Inflammation                     | Minimal           |
|                        |                | Vacuolization Cytoplasmic        | Minimal           |
| * Lung                 | Alveolar Epith | Inflammation                     | Mild              |
| * Ovary                |                | Cyst                             | Minimal           |
| * Salivary Glands      |                | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen               |                | Hematopoietic Cell Proliferation | Moderate          |
|                        |                | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Forestomach | Epithelium     | Hyperplasia                      | Minimal           |
| * Thymus               |                | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland        |                | Ultimobranchial Cyst             |                   |
| * Urinary Bladder      |                | Infiltration Cellular            | Lymphoid, Minimal |
| * Uterus               | Endometrium    | Hyperplasia                      | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Bone Marrow             |
| * Brain                     | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Parathyroid Gland        | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

OBSERVATIONS

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia                      | Mild              |
| * Clitoral Gland  |  | Inflammation                     | Minimal           |
| * Heart           |  | Cardiomyopathy                   | Minimal           |
| * Liver           |  | Basophilic Focus                 |                   |
|                   |  | Eosinophilic Focus               |                   |
|                   |  | Hepatocellular Carcinoma         |                   |
|                   |  | Inflammation                     | Mild              |
|                   |  | Vacuolization Cytoplasmic        | Minimal           |
|                   | [ Eosinophilic Focus TGLs = 2-11 ]       |                                  |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                   |
| * Nose            | Olfactory Epi<br>Glands                  | Hyperplasia                      | Moderate          |
|                   |  | Metaplasia                       | Minimal           |
| * Pancreas        |  | Cyst                             | Mild              |
| * Pituitary Gland | Pars Distalis                            | Adenoma                          |                   |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate          |
|                   |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus          |  | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland   | C Cell                                   | Hyperplasia                      | Minimal           |
|                   |  | Ultimobranchial Cyst             | Multiple          |
| * Uterus          | Endometrium                              | Hyperplasia                      | Cystic, Minimal   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | Tooth                     | * Trachea                   | * Urinary Bladder        |

OBSERVATIONS

|                  |   |                                  |              |
|------------------|---|----------------------------------|--------------|
| * Adrenal Cortex | Subcapsular                             | Hyperplasia                      | Mild         |
| * Kidney         |   | Mineralization                   | Minimal      |
|                  |   | Nephropathy                      | Minimal      |
| * Liver          |   | Eosinophilic Focus               |              |
|                  |   | Inflammation                     | Mild         |
|                  |   | Tension Lipidosis                |              |
|                  | [ Eosinophilic Focus TGLs = 1,2-10+11 ] |                                  |              |
| * Spleen         |   | Hematopoietic Cell Proliferation | Marked       |
| * Uterus         | Endometrium                             | Hyperplasia                      | Cystic, Mild |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thyroid Gland           | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                  |                            |                                  |                   |
|------------------|----------------------------|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                | Hyperplasia                      | Mild              |
| * Bone Marrow    |                            | Hyperplasia                      | Minimal           |
| * Kidney         |                            | Nephropathy                      | Minimal           |
| * Liver          |                            | Inflammation                     | Minimal           |
| * Nose           | Olfactory Epi              | Accumulation, Hyaline Droplet    | Minimal           |
|                  | Olfactory Epi              | Degeneration                     | Mild              |
|                  | Glands                     | Metaplasia                       | Minimal           |
| * Ovary          |                            | Cyst                             | Moderate          |
|                  | [ Cyst TGLs = 1,2-7 ]      |                                  |                   |
| * Spleen         |                            | Hematopoietic Cell Proliferation | Moderate          |
|                  |                            | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus         |                            | Hyperplasia                      | Lymphoid, Mild    |
| * Uterus         | Endometrium                | Hyperplasia                      | Cystic, Moderate  |
|                  | [ Hyperplasia TGLs = 3-7 ] |                                  |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                           |                             |                          |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla        | Blood Vessel              | * Bone                      | * Brain                  |
| * Clitoral Gland         | Ear                       | * Esophagus                 | * Eye                    |
| * Gallbladder            | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic     | * Kidney                  | * Lung                      | * Mammary Gland          |
| * Pancreas               | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                   | * Stomach, Forestomach    | * Stomach, Glandular        | Tooth                    |
| * Trachea                | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

|                            |                                    |                                  |                   |
|----------------------------|------------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular                        | Hyperplasia                      | Mild              |
| * Bone Marrow              |                                    | Hyperplasia                      | Mild              |
| * Intestine Small, Jejunum |                                    | Lymphoma Malignant               |                   |
|                            | [ Lymphoma Malignant TGLs = 1-10 ] |                                  |                   |
| * Liver                    |                                    | Basophilic Focus                 |                   |
|                            |                                    | Eosinophilic Focus               |                   |
|                            |                                    | Hematopoietic Cell Proliferation | Minimal           |
|                            |                                    | Inflammation                     | Mild              |
|                            |                                    | Necrosis                         | Minimal           |
|                            | [ Eosinophilic Focus TGLs = 3-12 ] |                                  |                   |
| * Lymph Node, Mandibular   |                                    | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mesenteric   |                                    | Hyperplasia                      | Lymphoid, Marked  |
| * Nose                     | Respirat Epith                     | Hyperplasia                      | Minimal           |
| * Ovary                    |                                    | Cyst                             | Mild              |
| * Spleen                   |                                    | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus                   |                                    | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland            |                                    | Ultimobranchial Cyst             |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 694

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Mammary Gland             |
| * Pancreas               | * Parathyroid Gland        | * Salivary Glands         | * Skin                      |
| * Stomach, Glandular     | * Thyroid Gland            | Tooth                     | * Trachea                   |

OBSERVATIONS

|                          |  |                           |          |
|--------------------------|--|---------------------------|----------|
| * Adrenal Cortex         | Subcapsular                                | Hyperplasia               | Mild     |
|                          |  | Lymphoma Malignant        |          |
| * Bone Marrow            |  | Hyperplasia               | Moderate |
| * Harderian Gland        |  | Lymphoma Malignant        |          |
| * Heart                  |  | Inflammation              | Minimal  |
|                          |  | Mineralization            | Moderate |
| * Kidney                 |  | Lymphoma Malignant        |          |
|                          | [ Lymphoma Malignant TGLs = 5-4 ]          |                           |          |
| * Liver                  |  | Inflammation              | Mild     |
|                          |  | Lymphoma Malignant        |          |
|                          |  | Vacuolization Cytoplasmic | Moderate |
|                          | [ Lymphoma Malignant TGLs = 3,4-3+4+5+12 ] |                           |          |
| * Lung                   |  | Lymphoma Malignant        |          |
|                          |  | Thrombosis                | Mild     |
| Lymph Node               | Mediastinal                                | Lymphoma Malignant        |          |
|                          | Lumbar                                     | Lymphoma Malignant        |          |
|                          | [ Lymphoma Malignant TGLs = 6-13 ]         |                           |          |
|                          | [ Lymphoma Malignant TGLs = 7-14 ]         |                           |          |
| * Lymph Node, Mandibular |  | Lymphoma Malignant        |          |
|                          | [ Lymphoma Malignant TGLs = 1-10 ]         |                           |          |
| * Lymph Node, Mesenteric |  | Lymphoma Malignant        |          |
|                          | [ Lymphoma Malignant TGLs = 9-15 ]         |                           |          |
| * Nose                   | Respirat Epith                             | Hyperplasia               | Minimal  |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 215

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 694

**DOSE:** 0 mg/kg

**DISP:** Natural Death

**HISTO:** 0700317

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |                                    |                                  |              |
|------------------------|------------------------------------|----------------------------------|--------------|
| * Ovary                |                                    | Lymphoma Malignant               |              |
|                        |                                    | Lymphoma Malignant               |              |
|                        | [ Lymphoma Malignant TGLs = 8-7 ]  |                                  |              |
| * Pituitary Gland      | Pars Distalis                      | Hyperplasia                      | Minimal      |
| * Spleen               |                                    | Hematopoietic Cell Proliferation | Minimal      |
|                        |                                    | Lymphoma Malignant               |              |
|                        | [ Lymphoma Malignant TGLs = 2-11 ] |                                  |              |
| * Stomach, Forestomach | Epithelium                         | Hyperkeratosis                   | Moderate     |
|                        | Epithelium                         | Hyperplasia                      | Moderate     |
|                        |                                    | Inflammation                     | Mild         |
|                        | [ Hyperplasia TGLs = 10-16 ]       |                                  |              |
| * Thymus               |                                    | Lymphoma Malignant               |              |
| * Urinary Bladder      |                                    | Lymphoma Malignant               |              |
| * Uterus               | Endometrium                        | Hyperplasia                      | Cystic, Mild |

**PRIMARY CAUSE OF DEATH** - Spleen Lymphoma Malignant

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                   |                                  |                                  |                |
|-------------------|----------------------------------|----------------------------------|----------------|
| * Adrenal Cortex  | Subcapsular                      | Hyperplasia                      | Mild           |
| * Bone Marrow     |                                  | Hyperplasia                      | Minimal        |
| * Kidney          |                                  | Mineralization                   | Minimal        |
|                   |                                  | Nephropathy                      | Mild           |
| * Liver           |                                  | Basophilic Focus                 |                |
|                   |                                  | Inflammation                     | Minimal        |
|                   | [ Basophilic Focus TGLs = 1-11 ] |                                  |                |
| Lymph Node        | Bronchial                        | Hyperplasia                      | Lymphoid, Mild |
| * Pituitary Gland | Pars Distalis                    | Hyperplasia                      | Minimal        |
| * Spleen          |                                  | Hematopoietic Cell Proliferation | Moderate       |
|                   |                                  | Hyperplasia                      | Lymphoid, Mild |
| * Thymus          |                                  | Hyperplasia                      | Lymphoid, Mild |
| * Uterus          | Endometrium                      | Hyperplasia                      | Cystic, Mild   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 547

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Mammary Gland          | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Skin                     |
| * Stomach, Glandular      | * Thyroid Gland             | Tooth                    | * Trachea                  |

OBSERVATIONS

|                          |                                   |                                  |                    |
|--------------------------|-----------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                       | Hyperplasia                      | Minimal            |
| * Bone Marrow            |                                   | Hyperplasia                      | Mild               |
| * Islets, Pancreatic     |                                   | Hyperplasia                      | Moderate           |
| * Kidney                 |                                   | Lymphoma Malignant               |                    |
|                          |                                   | Mineralization                   | Minimal            |
| * Liver                  |                                   | Eosinophilic Focus               |                    |
|                          |                                   | Lymphoma Malignant               |                    |
|                          |                                   | Necrosis                         | Moderate           |
|                          | [ Necrosis TGLs = 1-3+4+5 ]       |                                  |                    |
| Lymph Node               | Pancreatic                        | Lymphoma Malignant               |                    |
| * Lymph Node, Mesenteric |                                   | Lymphoma Malignant               |                    |
| Mesentery                | Fat                               | Necrosis                         | Moderate           |
|                          | [ Necrosis TGLs = 4-10 ]          |                                  |                    |
| * Nose                   | Olfactory Epi                     | Accumulation, Hyaline Droplet    | Minimal            |
| * Salivary Glands        |                                   | Lymphoma Malignant               |                    |
| * Spleen                 |                                   | Hematopoietic Cell Proliferation | Moderate           |
|                          |                                   | Lymphoma Malignant               |                    |
|                          | [ Lymphoma Malignant TGLs = 2-4 ] |                                  |                    |
| * Stomach, Forestomach   | Epithelium                        | Hyperkeratosis                   | Mild               |
|                          | Epithelium                        | Hyperplasia                      | Mild               |
| * Thymus                 |                                   | Lymphoma Malignant               |                    |
| * Urinary Bladder        |                                   | Infiltration Cellular            | Lymphoid, Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 547

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700319

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 3-7 ]

PRIMARY CAUSE OF DEATH

- Thymus Lymphoma Malignant

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 3

DOSE: 0 mg/kg

DISP: Dosing Accident

HISTO: 0700320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Clitoral Gland         | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Liver                  | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nose                   | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| * Spleen                    | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |
| * Uterus                    |                          |                            |                           |

OBSERVATIONS

|   |          |              |                   |
|---|----------|--------------|-------------------|
| * Bone Marrow                                 |          | Hyperplasia  | Minimal           |
| * Esophagus                                   |          | Inflammation | Moderate          |
| Note: Plant material (food) present.          |          |              |                   |
| [ Inflammation TGLs = 2-10 ]                  |          |              |                   |
| * Heart                                       |          | Inflammation | Minimal           |
| * Lung  | Pleura   | Inflammation | Moderate          |
| Note: Plant material (food) present.          |          |              |                   |
| Note: Inflammation secondary to gavage error. |          |              |                   |
| [ Inflammation TGLs = 1-3 ]                   |          |              |                   |
| Lymph Node                                    | Inguinal | Hyperplasia  | Lymphoid, Minimal |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 476

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                        |   |                                  |                  |
|------------------------|---|----------------------------------|------------------|
| * Adrenal Cortex       |   | Hematopoietic Cell Proliferation | Minimal          |
|                        | Subcapsular                             | Hyperplasia                      | Mild             |
| * Bone Marrow          |   | Hyperplasia                      | Marked           |
| * Kidney               |   | Mineralization                   | Minimal          |
|                        |   | Nephropathy                      | Minimal          |
| * Liver                |   | Hematopoietic Cell Proliferation | Mild             |
|                        |   | Inflammation                     | Mild             |
|                        |   | Tension Lipidosis                |                  |
|                        |   | Vacuolization Cytoplasmic        | Minimal          |
| * Lung                 |   | Metaplasia                       | Osseous, Minimal |
| Oral Mucosa            | Gingival                                | Squamous Cell Carcinoma          |                  |
|                        | [ Squamous Cell Carcinoma TGLs = 1-10 ] |                                  |                  |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate         |
|                        |   | Pigmentation                     | Mild             |
| * Stomach, Forestomach | Epithelium                              | Hyperplasia                      | Mild             |
|                        |   | Inflammation                     | Mild             |
|                        | Epithelium                              | Ulcer                            | Mild             |
| * Uterus               | Endometrium                             | Hyperplasia                      | Cystic, Mild     |

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Stomach, Forestomach   |
| * Stomach, Glandular       | Tooth                     | * Trachea                   |                          |

OBSERVATIONS

|                   |                                    |                                  |                   |
|-------------------|------------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                        | Hyperplasia                      | Mild              |
| * Kidney          |                                    | Nephropathy                      | Minimal           |
| * Liver           |                                    | Eosinophilic Focus               |                   |
|                   |                                    | Inflammation                     | Minimal           |
|                   |                                    | Mixed Cell Focus                 |                   |
|                   | [ Eosinophilic Focus TGLs = 1-11 ] |                                  |                   |
| * Nose            | Respirat Epith                     | Hyperplasia                      | Minimal           |
| * Skin            |                                    | Melanoma Malignant               |                   |
|                   | [ Melanoma Malignant TGLs = 2-10 ] |                                  |                   |
| * Spleen          |                                    | Hematopoietic Cell Proliferation | Moderate          |
|                   |                                    | Hyperplasia                      | Lymphoid, Mild    |
| * Thymus          |                                    | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland   | Follicular Cel                     | Cyst                             | Multiple          |
| * Urinary Bladder |                                    | Infiltration Cellular            | Lymphoid, Minimal |
| * Uterus          | Endometrium                        | Hyperplasia                      | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thyroid Gland           |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                  |  |                                  |                 |
|------------------|--|----------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular                                  | Hyperplasia                      | Mild            |
|                  |  | Lymphoma Malignant               |                 |
| * Bone Marrow    |  | Hyperplasia                      | Minimal         |
| * Heart          |  | Cardiomyopathy                   | Minimal         |
| * Kidney         |  | Nephropathy                      | Minimal         |
| * Liver          |  | Hematopoietic Cell Proliferation | Mild            |
|                  |  | Hepatocellular Adenoma           |                 |
|                  |  | Lymphoma Malignant               |                 |
|                  | [ Hepatocellular Adenoma TGLs = 1-10 ]       |                                  |                 |
| * Nose           | Respirat Epith                               | Hyperplasia                      | Minimal         |
| * Ovary          |  | Cystadenoma                      |                 |
|                  | Note: Papillary adenoma of oviductal origin. |                                  |                 |
| * Spleen         |  | Lymphoma Malignant               |                 |
|                  | [ Lymphoma Malignant TGLs = 2-4 ]            |                                  |                 |
| * Thymus         |  | Hyperplasia                      | Lymphoid, Mild  |
| * Uterus         | Endometrium                                  | Hyperplasia                      | Cystic, Minimal |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | * Stomach, Glandular        | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

OBSERVATIONS

|                             |             |                                  |                |
|-----------------------------|-------------|----------------------------------|----------------|
| * Adrenal Cortex            | Subcapsular | Hyperplasia                      | Mild           |
| * Bone                      |             | Osteoporosis                     | Minimal        |
| * Liver                     |             | Inflammation                     | Minimal        |
|                             |             | Vacuolization Cytoplasmic        | Minimal        |
| * Spleen                    |             | Hematopoietic Cell Proliferation | Moderate       |
| * Stomach, Forestomach      | Epithelium  | Hyperplasia                      | Marked         |
| [ Hyperplasia TGLs = 1-10 ] |             |                                  |                |
| * Thymus                    |             | Hyperplasia                      | Lymphoid, Mild |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 657

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |
| * Uterus                    |                          |                            |                           |

OBSERVATIONS

|                          |   |                                  |                    |
|--------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                 | Hyperplasia                      | Mild               |
| * Bone Marrow            |   | Hyperplasia                      | Mild               |
| * Harderian Gland        |   | Hyperplasia                      | Minimal            |
| * Liver                  |   | Eosinophilic Focus               |                    |
|                          |   | Hepatocellular Adenoma           | Multiple           |
|                          |   | Hepatocellular Carcinoma         |                    |
|                          |   | Necrosis                         | Moderate           |
|                          |   | Vacuolization Cytoplasmic        | Minimal            |
|                          | [ Eosinophilic Focus TGLs = 4-13 ]          |                                  |                    |
|                          | [ Hepatocellular Adenoma TGLs = 2,3-11+12 ] |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ]    |                                  |                    |
| Lymph Node               | Pancreatic                                  | Hyperplasia                      | Lymphoid, Mild     |
| * Lymph Node, Mesenteric |   | Hyperplasia                      | Lymphoid, Mild     |
| * Nose                   | Respirat Epith                              | Hyperplasia                      | Minimal            |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate           |
|                          |   | Hyperplasia                      | Lymphoid, Minimal  |
| * Thymus                 |   | Hyperplasia                      | Lymphoid, Moderate |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 653

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lymph Node, Mandibular    | * Mammary Gland          | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| * Stomach, Forestomach      | * Thymus                 | * Thyroid Gland            | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                              | Hyperplasia                      | Minimal            |
| * Bone Marrow            |  | Hyperplasia                      | Minimal            |
| * Harderian Gland        |  | Adenoma                          |                    |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal            |
| * Liver                  |  | Eosinophilic Focus               |                    |
|                          |  | Hepatocellular Carcinoma         |                    |
|                          |  | Inflammation                     | Minimal            |
|                          |  | Vacuolization Cytoplasmic        | Minimal            |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                    |
| * Lung                   |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Moderate |
| * Nose                   | Respirat Epith                           | Hyperplasia                      | Minimal            |
|                          | Olfactory Epi                            | Metaplasia                       | Minimal            |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Marked             |
| * Stomach, Glandular     | Epithelium                               | Hyperplasia                      | Minimal            |
| * Uterus                 | Endometrium                              | Hyperplasia                      | Cystic, Mild       |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             | Tooth                    |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

|                  |               |                                  |                   |
|------------------|---------------|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular   | Hyperplasia                      | Mild              |
| * Kidney         |               | Nephropathy                      | Minimal           |
| * Liver          |               | Inflammation                     | Minimal           |
|                  |               | Vacuolization Cytoplasmic        | Minimal           |
| * Nose           | Olfactory Epi | Accumulation, Hyaline Droplet    | Minimal           |
| * Spleen         |               | Hematopoietic Cell Proliferation | Marked            |
| * Thymus         |               | Hyperplasia                      | Lymphoid, Minimal |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                            |                          |
|---------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                     | * Brain                  |
| * Clitoral Gland          | * Esophagus                 | * Eye                      | * Gallbladder            |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum   | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic     |
| * Lung                    | * Lymph Node, Mandibular    | * Mammary Gland            | * Ovary                  |
| * Pancreas                | * Parathyroid Gland         | * Skin                     | * Stomach, Forestomach   |
| * Thymus                  | * Thyroid Gland             | Tooth                      | * Trachea                |
| * Urinary Bladder         |                             |                            |                          |

OBSERVATIONS

|                          |  |                                  |                |
|--------------------------|--|----------------------------------|----------------|
| * Adrenal Cortex         |  | Hematopoietic Cell Proliferation | Minimal        |
|                          | Subcapsular                            | Hyperplasia                      | Mild           |
| * Bone Marrow            |  | Hyperplasia                      | Moderate       |
| * Intestine Small, Ileum | Epithelium                             | Hyperplasia                      | Mild           |
|                          |  | Inflammation                     | Minimal        |
| * Kidney                 |  | Mineralization                   | Minimal        |
|                          |  | Nephropathy                      | Minimal        |
| * Liver                  |  | Eosinophilic Focus               |                |
|                          |  | Hematopoietic Cell Proliferation | Mild           |
|                          |  | Hepatocellular Adenoma           |                |
|                          |  | Inflammation                     | Mild           |
|                          |  | Mixed Cell Focus                 |                |
|                          |  | Tension Lipidosis                |                |
|                          | [ Eosinophilic Focus TGLs = 3-12 ]     |                                  |                |
|                          | [ Hepatocellular Adenoma TGLs = 1-13 ] |                                  |                |
|                          | [ Mixed Cell Focus TGLs = 2-11 ]       |                                  |                |
| Lymph Node               | Inguinal                               | Hyperplasia                      | Lymphoid, Mild |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Mild |
| * Nose                   | Respirat Epith                         | Hyperplasia                      | Minimal        |
|                          |  | Inflammation                     | Minimal        |
| * Pituitary Gland        | Pars Distalis                          | Hyperplasia                      | Mild           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700328

ORGAN AND ACCOUNTABLE SITE STATUS

|                      |             |                                  |                   |
|----------------------|-------------|----------------------------------|-------------------|
| * Salivary Glands    |             | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen             |             | Hematopoietic Cell Proliferation | Moderate          |
|                      |             | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Glandular | Epithelium  | Hyperplasia                      | Minimal           |
| * Uterus             | Endometrium | Decidual Reaction                |                   |
|                      | Endometrium | Hyperplasia                      | Cystic, Moderate  |
|                      |             | Inflammation                     | Mild              |

[ Hyperplasia TGLs = 4-7 ]

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia                      | Mild              |
| * Bone Marrow     |  | Hyperplasia                      | Minimal           |
| * Kidney          |  | Nephropathy                      | Minimal           |
| * Liver           |  | Hepatocellular Adenoma           |                   |
|                   |  | Hepatocellular Carcinoma         |                   |
|                   |  | Inflammation                     | Minimal           |
|                   |  | Vacuolization Cytoplasmic        | Mild              |
|                   | [ Hepatocellular Adenoma TGLs = 2-11 ]   |                                  |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                   |
| * Mammary Gland   |  | Hyperplasia                      | Minimal           |
| * Pituitary Gland | Pars Distalis                            | Adenoma                          |                   |
|                   | [ Adenoma TGLs = 3-12 ]                  |                                  |                   |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate          |
|                   |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland   |  | Ultimobranchial Cyst             | Multiple          |
| * Uterus          | Endometrium                              | Hyperplasia                      | Moderate          |
|                   | Endometrium                              | Hyperplasia                      | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 720

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Salivary Glands         |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                          |                             |                                  |                    |
|--------------------------|-----------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                 | Hyperplasia                      | Mild               |
| * Bone Marrow            |                             | Hyperplasia                      | Mild               |
| * Eye                    | Cornea                      | Inflammation                     | Marked             |
|                          | Antr Chamber                | Inflammation                     | Marked             |
|                          | [ Inflammation TGLs = 3-9 ] |                                  |                    |
| * Kidney                 |                             | Nephropathy                      | Minimal            |
| * Liver                  |                             | Inflammation                     | Minimal            |
|                          |                             | Tension Lipidosis                |                    |
| * Lymph Node, Mandibular |                             | Hyperplasia                      | Lymphoid, Moderate |
| * Pituitary Gland        | Pars Distalis               | Hyperplasia                      | Mild               |
| * Skin                   | Sebaceous GI                | Hyperplasia                      | Mild               |
|                          | Epidermis                   | Ulcer                            | Moderate           |
|                          | Note: Skin of eyelid.       |                                  |                    |
|                          | [ Ulcer TGLs = 1,2-10+11 ]  |                                  |                    |
| * Spleen                 |                             | Hematopoietic Cell Proliferation | Mild               |
|                          |                             | Hyperplasia                      | Lymphoid, Mild     |
| * Uterus                 | Endometrium                 | Hyperplasia                      | Cystic, Moderate   |
|                          | [ Hyperplasia TGLs = 4-7 ]  |                                  |                    |

PRIMARY CAUSE OF DEATH - Eye Cornea Inflammation

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

|                   |               |                                  |                  |
|-------------------|---------------|----------------------------------|------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Mild             |
| * Bone Marrow     |               | Hyperplasia                      | Minimal          |
| * Liver           |               | Hematopoietic Cell Proliferation | Minimal          |
|                   |               | Inflammation                     | Minimal          |
| * Pituitary Gland | Pars Distalis | Hyperplasia                      | Minimal          |
| * Spleen          |               | Hematopoietic Cell Proliferation | Moderate         |
|                   |               | Lymphoma Malignant               |                  |
| * Thymus          |               | Hyperplasia                      | Lymphoid, Mild   |
| * Uterus          | Endometrium   | Hyperplasia                      | Cystic, Moderate |
|                   |               | Inflammation                     | Moderate         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 659

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mesenteric    | * Mammary Gland          | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

|                  |  |                                  |              |
|------------------|--|----------------------------------|--------------|
| * Adrenal Cortex |  | Hematopoietic Cell Proliferation | Minimal      |
|                  | Subcapsular                                    | Hyperplasia                      | Mild         |
| * Bone Marrow    |  | Hyperplasia                      | Moderate     |
| * Kidney         |  | Mineralization                   | Minimal      |
| * Liver          |  | Hematopoietic Cell Proliferation | Mild         |
|                  |  | Hepatocellular Carcinoma         |              |
|                  |  | Vacuolization Cytoplasmic        | Minimal      |
|                  | [ Hepatocellular Carcinoma TGLs = 4-13 ]       |                                  |              |
| * Lung           |  | Alveolar/Bronchiolar Carcinoma   |              |
|                  | [ Alveolar/Bronchiolar Carcinoma TGLs = 3-12 ] |                                  |              |
| * Nose           | Respirat Epith                                 | Hyperplasia                      | Minimal      |
| * Ovary          |  | Choriocarcinoma                  |              |
|                  |  | Mineralization                   | Minimal      |
| * Skin           | Subcut Tiss                                    | Sarcoma                          |              |
|                  | [ Sarcoma TGLs = 1,2-10+11 ]                   |                                  |              |
| * Spleen         |  | Hematopoietic Cell Proliferation | Marked       |
| * Thyroid Gland  | C Cell   | Hyperplasia                      | Minimal      |
| * Uterus         | Endometrium                                    | Hyperplasia                      | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 14

DOSE: 0 mg/kg

DISP: Dosing Accident

HISTO: 0700333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * Adrenal Medulla          | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Skin                   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| Tooth                    | * Trachea                  | * Urinary Bladder         | * Uterus                    |

OBSERVATIONS

|   |            |                                  |          |
|---|------------|----------------------------------|----------|
| Blood Vessel<br>Note: Plant material (food) present.  | Aorta      | Inflammation                     | Minimal  |
| * Bone Marrow   |            | Hyperplasia                      | Marked   |
| * Esophagus<br>Note: Plant material (food) present.   |            | Inflammation                     | Moderate |
|   |            | Perforation                      | Moderate |
| * Heart<br>Note: secondary to gavage error  | Epicardium | Inflammation                     | Minimal  |
| * Liver   |            | Hematopoietic Cell Proliferation | Mild     |
| * Lung<br>Note: Plant material (food) present.<br>Note: Gavage error.<br>[ Inflammation TGLs = 1-10 ] | Pleura     | Inflammation                     | Moderate |
| * Lymph Node, Mandibular<br>Note: Plant material (food) present.                                      |            | Inflammation                     | Mild     |
| * Spleen  |            | Hematopoietic Cell Proliferation | Marked   |
| * Stomach, Forestomach  |            | Inflammation                     | Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone Marrow              | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| Tooth                       | * Trachea                | * Urinary Bladder          | * Uterus                  |

OBSERVATIONS

|                   |   |                                  |                   |
|-------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                                 | Hyperplasia                      | Mild              |
| * Bone            |   | Osteoporosis                     | Mild              |
| * Harderian Gland |   | Infiltration Cellular            | Lymphoid, Minimal |
| * Kidney          |   | Nephropathy                      | Minimal           |
| * Liver           |   | Eosinophilic Focus               |                   |
|                   |   | Hepatocellular Adenoma           | Multiple          |
|                   |   | Inflammation                     | Minimal           |
|                   | [ Eosinophilic Focus TGLs = 3-12 ]          |                                  |                   |
|                   | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |                                  |                   |
| Mesentery         | Fat   | Necrosis                         | Marked            |
|                   | [ Necrosis TGLs = 5-14 ]                    |                                  |                   |
| * Nose            | Olfactory Epi                               | Accumulation, Hyaline Droplet    | Minimal           |
| Skeletal Muscle   |   | Hemangiosarcoma                  |                   |
|                   | [ Hemangiosarcoma TGLs = 4-13 ]             |                                  |                   |
| * Spleen          |   | Hemangiosarcoma                  |                   |
|                   |   | Hematopoietic Cell Proliferation | Marked            |
|                   | [ Hemangiosarcoma TGLs = 6-15 ]             |                                  |                   |
| * Thymus          |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland   | Follicle                                    | Cyst                             | Multiple          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             |
| * Ovary                  | * Parathyroid Gland        | * Salivary Glands         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| Tooth                    | * Trachea                  |                           |                             |

OBSERVATIONS

|  |                |                                  |                   |
|--|----------------|----------------------------------|-------------------|
| * Adrenal Cortex                       | Subcapsular    | Hyperplasia                      | Mild              |
| * Bone                                 |                | Osteoporosis                     | Minimal           |
| * Bone Marrow                          |                | Hyperplasia                      | Mild              |
| * Harderian Gland                      |                | Carcinoma                        |                   |
| [ Carcinoma TGLs = 4-9 ]               |                |                                  |                   |
| * Liver                                |                | Eosinophilic Focus               |                   |
|  |                | Hepatoblastoma                   |                   |
|  |                | Hepatocellular Adenoma           | Multiple          |
|  |                | Inflammation                     | Minimal           |
| [ Eosinophilic Focus TGLs = 2-11 ]     |                |                                  |                   |
| [ Hepatoblastoma TGLs = 1-10 ]         |                |                                  |                   |
| [ Hepatocellular Adenoma TGLs = 3-12 ] |                |                                  |                   |
| * Nose                                 | Respirat Epith | Hyperplasia                      | Minimal           |
| * Pancreas                             | Acinus         | Hypertrophy                      | Mild              |
| * Pituitary Gland                      | Pars Distalis  | Hyperplasia                      | Mild              |
| * Spleen                               |                | Hematopoietic Cell Proliferation | Moderate          |
|  |                | Hyperplasia                      | Lymphoid, Mild    |
| * Urinary Bladder                      |                | Infiltration Cellular            | Lymphoid, Minimal |
| * Uterus                               | Endometrium    | Hyperplasia                      | Cystic, Minimal   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Mammary Gland            | * Nose                    | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | Tooth                       | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

|                          |               |                                  |          |
|--------------------------|---------------|----------------------------------|----------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                      | Mild     |
| * Kidney                 |               | Nephropathy                      | Minimal  |
| * Liver                  |               | Basophilic Focus                 |          |
|                          |               | Inflammation                     | Minimal  |
|                          |               | Vacuolization Cytoplasmic        | Minimal  |
| * Lymph Node, Mesenteric |               | Lymphoma Malignant               |          |
| [ Lymphoma Malignant     | TGLs = 2-11 ] |                                  |          |
| * Ovary                  |               | Thrombosis                       | Moderate |
| * Spleen                 |               | Hematopoietic Cell Proliferation | Moderate |
|                          |               | Lymphoma Malignant               |          |
| [ Lymphoma Malignant     | TGLs = 1-10 ] |                                  |          |
| * Thyroid Gland          | Follicle      | Cyst                             |          |
|                          | C Cell        | Hyperplasia                      | Minimal  |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 15

DOSE: 0 mg/kg

DISP: Dosing Accident

HISTO: 0700337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thyroid Gland          | Tooth                      | * Trachea                 | * Urinary Bladder           |
| * Uterus                 |                            |                           |                             |

OBSERVATIONS

|  |             |                                  |                    |
|--|-------------|----------------------------------|--------------------|
| * Adrenal Cortex                                   | Subcapsular | Hyperplasia                      | Minimal            |
| * Bone Marrow                                      |             | Hyperplasia                      | Moderate           |
| * Esophagus  |             | Inflammation                     | Moderate           |
|  |             | Perforation                      | Moderate           |
| Note: Plant material (food) present.               |             |                                  |                    |
| * Heart  | Epicardium  | Inflammation                     | Mild               |
| * Int Sm Ileum                                     |             |                                  |                    |
| Note: Intussusception (agonal/iatrogenic) present. |             |                                  |                    |
| * Liver  |             | Hematopoietic Cell Proliferation | Minimal            |
| * Lung   | Pleura      | Inflammation                     | Moderate           |
| Note: Plant material (food) present.               |             |                                  |                    |
| Note: Gavage error.                                |             |                                  |                    |
| [ Inflammation TGLs = 1-10 ]                       |             |                                  |                    |
| * Spleen   |             | Hematopoietic Cell Proliferation | Marked             |
| * Thymus   |             | Hyperplasia                      | Lymphoid, Moderate |
|  |             | Necrosis                         | Mild               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | Tooth                    | * Trachea                  |

INSUFFICIENT TISSUE

\* Thyroid Gland

OBSERVATIONS

|                   |               |                                  |                   |
|-------------------|---------------|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone Marrow     |               | Hyperplasia                      | Mild              |
| * Liver           |               | Eosinophilic Focus               |                   |
|                   |               | Inflammation                     | Minimal           |
| * Pituitary Gland | Pars Distalis | Adenoma                          |                   |
| * Salivary Glands |               | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen          |               | Hematopoietic Cell Proliferation | Moderate          |
|                   |               | Hyperplasia                      | Lymphoid, Mild    |
| * Urinary Bladder |               | Infiltration Cellular            | Lymphoid, Minimal |
| * Uterus          | Endometrium   | Hyperplasia                      | Cystic, Mild      |
|                   |               | Inflammation                     | Moderate          |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Salivary Glands         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thyroid Gland           | Tooth                       |
| * Trachea                |                            |                           |                             |

OBSERVATIONS

|                   |                                    |                                  |                   |
|-------------------|------------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                        | Hyperplasia                      | Mild              |
| * Bone            |                                    | Osteoporosis                     | Minimal           |
| * Bone Marrow     |                                    | Hyperplasia                      | Minimal           |
| * Heart           |                                    | Cardiomyopathy                   | Minimal           |
| * Kidney          | Glomerulus                         | Amyloid Deposition               | Moderate          |
|                   |                                    | Mineralization                   | Minimal           |
|                   |                                    | Nephropathy                      | Mild              |
| * Liver           |                                    | Eosinophilic Focus               |                   |
|                   |                                    | Inflammation                     | Minimal           |
|                   | [ Eosinophilic Focus TGLs = 1-11 ] |                                  |                   |
| Lymph Node        | Inguinal                           | Hyperplasia                      | Lymphoid, Minimal |
| * Nose            | Respirat Epith                     | Hyperplasia                      | Minimal           |
| * Pituitary Gland | Pars Distalis                      | Hyperplasia                      | Mild              |
| * Spleen          |                                    | Hematopoietic Cell Proliferation | Moderate          |
|                   |                                    | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus          |                                    | Hyperplasia                      | Lymphoid, Mild    |
| * Urinary Bladder |                                    | Infiltration Cellular            | Lymphoid, Minimal |
| * Uterus          | Endometrium                        | Hyperplasia                      | Cystic, Mild      |
|                   |                                    | Inflammation                     | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone Marrow             | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Salivary Glands           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             |
| Tooth                    | * Trachea                  | * Urinary Bladder         |                             |

OBSERVATIONS

|   |               |                                  |                   |
|---|---------------|----------------------------------|-------------------|
| * Adrenal Cortex                            | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone                                      |               | Osteoporosis                     | Minimal           |
| * Clitoral Gland                            |               | Inflammation                     | Marked            |
| [ Inflammation TGLs = 3-8 ]                 |               |                                  |                   |
| * Heart                                     |               | Cardiomyopathy                   | Minimal           |
| * Kidney                                    |               | Nephropathy                      | Mild              |
| * Liver                                     |               | Clear Cell Focus                 |                   |
|   |               | Eosinophilic Focus               |                   |
|   |               | Hepatocellular Adenoma           | Multiple          |
| [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |               | Inflammation                     | Minimal           |
| * Pituitary Gland                           | Pars Distalis | Hyperplasia                      | Minimal           |
| * Spleen                                    |               | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus                                    |               | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus                                    | Endometrium   | Hyperplasia                      | Cystic, Minimal   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 453

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                          |             |                                  |                    |
|--------------------------|-------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular | Hyperplasia                      | Mild               |
| * Bone Marrow            |             | Hyperplasia                      | Mild               |
| * Kidney                 |             | Nephropathy                      | Minimal            |
| * Liver                  |             | Inflammation                     | Minimal            |
|                          |             | Vacuolization Cytoplasmic        | Mild               |
| * Lymph Node, Mandibular |             | Hyperplasia                      | Lymphoid, Mild     |
| * Spleen                 |             | Hematopoietic Cell Proliferation | Mild               |
|                          |             | Hyperplasia                      | Lymphoid, Moderate |
| * Stomach, Forestomach   | Epithelium  | Hyperplasia                      | Minimal            |
| * Uterus                 | Endometrium | Hyperplasia                      | Cystic, Moderate   |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700342

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     | * Pancreas                |
| * Parathyroid Gland         | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

**OBSERVATIONS**

|   |               |                                  |         |
|---|---------------|----------------------------------|---------|
| * Adrenal Cortex                        | Subcapsular   | Hyperplasia                      | Mild    |
|   |               | Hypertrophy                      | Minimal |
| * Bone Marrow                           |               | Hyperplasia                      | Mild    |
| * Harderian Gland                       |               | Hyperplasia                      | Minimal |
| * Islets, Pancreatic                    |               | Hyperplasia                      | Minimal |
| * Kidney                                |               | Cyst                             | Minimal |
| * Liver                                 |               | Eosinophilic Focus               |         |
|   |               | Hematopoietic Cell Proliferation | Mild    |
|   |               | Hepatocellular Adenoma           |         |
|   |               | Inflammation                     | Mild    |
| [ Eosinophilic Focus TGLs = 1,3-10+12 ] |               |                                  |         |
| [ Hepatocellular Adenoma TGLs = 2-11 ]  |               |                                  |         |
| Lymph Node                              | Renal         | Angiectasis                      | Marked  |
|   | Pancreatic    | Angiectasis                      | Marked  |
| [ Angiectasis TGLs = 7,8-15+16 ]        |               |                                  |         |
| [ Angiectasis TGLs = 10-18 ]            |               |                                  |         |
| * Mammary Gland                         |               | Hyperplasia                      | Mild    |
| * Ovary                                 |               | Angiectasis                      | Marked  |
| [ Angiectasis TGLs = 6-14 ]             |               |                                  |         |
| * Pituitary Gland                       | Pars Distalis | Adenoma                          |         |
| [ Adenoma TGLs = 9-17 ]                 |               |                                  |         |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700342

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ORGAN AND ACCOUNTABLE SITE STATUS

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\* Spleen

Hematopoietic Cell Proliferation

Moderate

Hyperplasia

Lymphoid, Moderate

[ Hyperplasia TGLs = 4-4 ]

\* Uterus

Sarcoma Stromal

Note: Decidual reaction present within sarcoma.

[ Sarcoma Stromal TGLs = 5-13 ]

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 531

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                          |                                    |                                  |                    |
|--------------------------|------------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                        | Hyperplasia                      | Mild               |
| * Bone Marrow            |                                    | Hyperplasia                      | Mild               |
| * Liver                  |                                    | Eosinophilic Focus               |                    |
|                          |                                    | Inflammation                     | Minimal            |
|                          |                                    | Tension Lipidosis                |                    |
|                          |                                    | Vacuolization Cytoplasmic        | Mild               |
|                          | [ Eosinophilic Focus TGLs = 2-14 ] |                                  |                    |
| * Lymph Node, Mandibular |                                    | Hyperplasia                      | Lymphoid, Mild     |
| * Ovary                  |                                    | Cyst                             | Marked             |
|                          |                                    | Cystadenoma                      |                    |
|                          | [ Cyst TGLs = 1-7 ]                |                                  |                    |
| * Parathyroid Gland      |                                    | Hyperplasia                      | Minimal            |
| Peripheral Nerve         | Sciatic                            | Demyelination                    | Minimal            |
|                          | Spinal                             | Demyelination                    | Moderate           |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Mild               |
|                          |                                    | Hyperplasia                      | Lymphoid, Moderate |
|                          |                                    | Pigmentation                     | Minimal            |
| * Thyroid Gland          |                                    | Ultimobranchial Cyst             |                    |
| * Uterus                 | Endometrium                        | Hyperplasia                      | Cystic, Minimal    |

PRIMARY CAUSE OF DEATH - Peripheral Nerve Spinal Demyelination

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Salivary Glands           | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                            | Hyperplasia                      | Minimal           |
| * Harderian Gland        |  | Adenoma                          |                   |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Hepatocellular Adenoma           |                   |
|                          |  | Inflammation                     | Mild              |
|                          | [ Hepatocellular Adenoma TGLs = 1-10 ] |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal |
| * Pituitary Gland        | Pars Distalis                          | Hyperplasia                      | Minimal           |
| * Skin                   | Epidermis                              | Hyperplasia                      | Marked            |
|                          | Dermis                                 | Inflammation                     | Mild              |
|                          | [ Hyperplasia TGLs = 2-11 ]            |                                  |                   |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Marked            |
|                          |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland          |  | Ultimobranchial Cyst             | Multiple          |
| * Uterus                 | Endometrium                            | Hyperplasia                      | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Salivary Glands        | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|  |                             |                                  |                   |
|--|-----------------------------|----------------------------------|-------------------|
| * Adrenal Cortex                                       | Subcapsular                 | Hyperplasia                      | Mild              |
| * Bone Marrow  |                             | Hyperplasia                      | Moderate          |
| * Eye  |                             |                                  |                   |
| Note: Abnormality present, interpreted as an artifact. |                             |                                  |                   |
| * Kidney   |                             | Inflammation                     | Mild              |
|  |                             | Mineralization                   | Minimal           |
|  |                             | Nephropathy                      | Mild              |
| * Liver  |                             | Hematopoietic Cell Proliferation | Minimal           |
|  |                             | Inflammation                     | Minimal           |
| * Lung   | Alveolar Epith              | Hyperplasia                      | Moderate          |
|  |                             | Sarcoma                          | Metastatic (Skin) |
|  | [ Sarcoma TGLs = 5-12 ]     |                                  |                   |
|  | Lymph Node                  | Hyperplasia                      | Lymphoid, Minimal |
| * Mammary Gland  | Inguinal                    | Hyperplasia                      | Moderate          |
| * Ovary  |                             | Cyst                             | Moderate          |
|  | [ Cyst TGLs = 1-7 ]         |                                  |                   |
| * Pituitary Gland                                      | Pars Distalis               | Hyperplasia                      | Moderate          |
|  | [ Hyperplasia TGLs = 4-11 ] |                                  |                   |
| * Skin   | Subcut Tiss                 | Sarcoma                          |                   |
| Note: Lesion compatible with a myxosarcoma.            |                             |                                  |                   |
|  | [ Sarcoma TGLs = 3-10 ]     |                                  |                   |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700345

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                 |                              |                                  |                  |
|-----------------|------------------------------|----------------------------------|------------------|
| * Spleen        |                              | Hematopoietic Cell Proliferation | Marked           |
| * Thyroid Gland | Follicular Cel               | Hypertrophy                      | Moderate         |
|                 |                              | Ultimobranchial Cyst             | Multiple         |
| * Uterus        | Endometrium                  | Hyperplasia                      | Cystic, Moderate |
|                 |                              | Polyp Stromal                    |                  |
|                 | [ Hyperplasia TGLs = 2-7 ]   |                                  |                  |
|                 | [ Polyp Stromal TGLs = 2-7 ] |                                  |                  |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 589

DOSE: 0 mg/kg

DISP: Natural Death

HISTO: 0700346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                  |  |                                  |                 |
|------------------|--|----------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular                            | Hyperplasia                      | Minimal         |
| * Bone Marrow    |  | Hyperplasia                      | Moderate        |
| * Kidney         |  | Mineralization                   | Minimal         |
|                  |  | Nephropathy                      | Minimal         |
| * Liver          |  | Eosinophilic Focus               |                 |
|                  |  | Hematopoietic Cell Proliferation | Mild            |
|                  |  | Hepatocellular Adenoma           | Multiple        |
|                  |  | Inflammation                     | Minimal         |
|                  |  | Mixed Cell Focus                 |                 |
|                  | [ Hepatocellular Adenoma TGLs = 2-10 ] |                                  |                 |
| * Nose           | Respirat Epith                         | Hyperplasia                      | Minimal         |
| * Spleen         |  | Hematopoietic Cell Proliferation | Marked          |
| * Thyroid Gland  |  | Ultimobranchial Cyst             | Multiple        |
| * Uterus         | Endometrium                            | Hyperplasia                      | Cystic, Minimal |
|                  |  | Inflammation                     | Marked          |
|                  | [ Inflammation TGLs = 1-7 ]            |                                  |                 |

PRIMARY CAUSE OF DEATH - Uterus Inflammation

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 245

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 0 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700347

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                              | Hyperplasia                      | Mild               |
| * Bone Marrow            |  | Hyperplasia                      | Moderate           |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal            |
| * Kidney                 |  | Nephropathy                      | Minimal            |
| * Liver                  |  | Eosinophilic Focus               |                    |
|                          |  | Hepatocellular Adenoma           | Multiple           |
|                          |  | Hepatocellular Carcinoma         | Multiple           |
|                          |  | Inflammation                     | Minimal            |
|                          |  | Mixed Cell Focus                 |                    |
|                          | [ Eosinophilic Focus TGLs = 5,6-13+14 ]  |                                  |                    |
|                          | [ Hepatocellular Adenoma TGLs = 2-4 ]    |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                    |
| * Lung                   |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| Lymph Node               | Renal                                    | Lymphoma Malignant               |                    |
|                          | [ Lymphoma Malignant TGLs = 8-15 ]       |                                  |                    |
| * Lymph Node, Mandibular |  | Lymphoma Malignant               |                    |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Moderate |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate           |
|                          |  | Lymphoma Malignant               |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700347

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ORGAN AND ACCOUNTABLE SITE STATUS

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|          |                                    |                    |                |
|----------|------------------------------------|--------------------|----------------|
|          | [ Lymphoma Malignant TGLs = 7-4 ]  |                    |                |
| * Thymus |                                    | Lymphoma Malignant |                |
|          | [ Lymphoma Malignant TGLs = 4-12 ] |                    |                |
| * Uterus | Endometrium                        | Hyperplasia        | Cystic, Marked |
|          | [ Hyperplasia TGLs = 3-11 ]        |                    |                |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                        |   |                                  |                |
|------------------------|---|----------------------------------|----------------|
| * Adrenal Cortex       |   | Angiectasis                      | Mild           |
|                        | Subcapsular                                 | Hyperplasia                      | Mild           |
| * Bone Marrow          |   | Hyperplasia                      | Moderate       |
| * Heart                |   | Cardiomyopathy                   | Minimal        |
| * Islets, Pancreatic   |   | Hyperplasia                      | Minimal        |
| * Liver                |   | Eosinophilic Focus               |                |
|                        |   | Hematopoietic Cell Proliferation | Minimal        |
|                        |   | Hepatocellular Adenoma           | Multiple       |
|                        |   | Hepatocellular Carcinoma         |                |
|                        |   | Inflammation                     | Minimal        |
|                        |   | Vacuolization Cytoplasmic        | Moderate       |
|                        | [ Eosinophilic Focus TGLs = 5-13 ]          |                                  |                |
|                        | [ Hepatocellular Adenoma TGLs = 2,4-11+12 ] |                                  |                |
|                        | [ Hepatocellular Carcinoma TGLs = 3-12 ]    |                                  |                |
| * Nose                 | Respirat Epith                              | Hyperplasia                      | Minimal        |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate       |
| * Stomach, Forestomach | Epithelium                                  | Hyperplasia                      | Minimal        |
| * Thyroid Gland        |   | Ultimobranchial Cyst             | Multiple       |
| * Uterus               | Endometrium                                 | Hyperplasia                      | Cystic, Marked |
|                        |   | Inflammation                     | Moderate       |
|                        | [ Hyperplasia TGLs = 1-10 ]                 |                                  |                |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 246

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 700

**DOSE:** 0 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700348

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Uterus Endometrium Hyperplasia

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 6

DOSE: 0 mg/kg

DISP: Dosing Accident

HISTO: 0700349

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | Blood Vessel             | * Bone                     |
| * Brain                   | * Clitoral Gland            | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

|   |           |                                  |                   |
|---|-----------|----------------------------------|-------------------|
| * Bone Marrow   |           | Hyperplasia                      | Mild              |
| * Esophagus   |           | Inflammation                     | Mild              |
|   |           | Perforation                      | Moderate          |
| Note: Plant material (food) present.<br>[ Perforation TGLs = 2-10 ] |           |                                  |                   |
| * Lung  | Pleura    | Inflammation                     | Minimal           |
| Note: Plant material (food) present.                                |           |                                  |                   |
| Lymph Node  | Inguinal  | Hyperplasia                      | Lymphoid, Mild    |
|   | Bronchial | Hyperplasia                      | Lymphoid, Minimal |
| * Spleen  |           | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus  |           | Necrosis                         | Moderate          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | Tooth                    | * Trachea                  | * Urinary Bladder         |

OBSERVATIONS

|                   |                            |                                  |                   |
|-------------------|----------------------------|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                | Hyperplasia                      | Moderate          |
| * Bone Marrow     |                            | Hyperplasia                      | Mild              |
| * Harderian Gland |                            | Adenoma                          |                   |
| * Kidney          |                            | Metaplasia                       | Osseous, Minimal  |
| * Liver           |                            | Inflammation                     | Minimal           |
|                   |                            | Necrosis                         | Mild              |
| * Skin            |                            | Sarcoma                          |                   |
|                   | [ Sarcoma TGLs = 1-10 ]    |                                  |                   |
| * Spleen          |                            | Hematopoietic Cell Proliferation | Moderate          |
|                   |                            | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland   |                            | Ultimobranchial Cyst             | Multiple          |
| * Uterus          | Endometrium                | Hyperplasia                      | Cystic, Marked    |
|                   | [ Hyperplasia TGLs = 2-7 ] |                                  |                   |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                          |                           |                          |
|----------------------------|--------------------------|---------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel             | * Bone                    | * Brain                  |
| * Esophagus                | * Eye                    | * Gallbladder             | * Heart                  |
| * Intestine Large, Cecum   | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic     | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Parathyroid Gland      | * Salivary Glands         | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular     | * Thymus                  | Tooth                    |
| * Trachea                  | * Urinary Bladder        |                           |                          |

OBSERVATIONS

|                             |   |                               |                |
|-----------------------------|---|-------------------------------|----------------|
| * Adrenal Cortex            | Subcapsular                             | Hyperplasia                   | Mild           |
|                             |   | Lymphoma Malignant            |                |
| * Bone Marrow               |   | Hyperplasia                   | Moderate       |
| * Clitoral Gland            |   | Inflammation                  | Minimal        |
| * Harderian Gland           |   | Adenoma                       |                |
|                             | [ Adenoma TGLs = 4-9 ]                  |                               |                |
| * Intestine Small, Duodenum | Epithelium                              | Hyperplasia                   | Mild           |
| * Kidney                    |   | Nephropathy                   | Mild           |
| * Liver                     |   | Lymphoma Malignant            |                |
|                             | [ Lymphoma Malignant TGLs = 1,2-10+11 ] |                               |                |
| * Lung                      |   | Lymphoma Malignant            |                |
| Lymph Node                  | Inguinal                                | Hyperplasia                   | Lymphoid, Mild |
|                             | Renal                                   | Lymphoma Malignant            |                |
|                             | Iliac                                   | Lymphoma Malignant            |                |
|                             | [ Lymphoma Malignant TGLs = 6-13 ]      |                               |                |
|                             | [ Lymphoma Malignant TGLs = 7-14 ]      |                               |                |
| Mesentery                   |   | Lymphoma Malignant            |                |
| * Nose                      | Olfactory Epi                           | Accumulation, Hyaline Droplet | Minimal        |
| * Ovary                     |   | Angiectasis                   | Mild           |
|                             |   | Lymphoma Malignant            |                |
| * Pancreas                  |   | Atrophy                       | Moderate       |
| * Pituitary Gland           | Pars Distalis                           | Hyperplasia                   | Minimal        |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700351

ORGAN AND ACCOUNTABLE SITE STATUS

|                 |                                    |                                  |                  |
|-----------------|------------------------------------|----------------------------------|------------------|
| * Spleen        |                                    | Hematopoietic Cell Proliferation | Moderate         |
|                 |                                    | Lymphoma Malignant               |                  |
|                 | [ Lymphoma Malignant TGLs = 3-12 ] |                                  |                  |
| * Thyroid Gland |                                    | Ultimobranchial Cyst             | Multiple         |
| * Uterus        | Endometrium                        | Hyperplasia                      | Cystic, Moderate |
|                 |                                    | Inflammation                     | Mild             |
|                 | [ Hyperplasia TGLs = 5-7 ]         |                                  |                  |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Mammary Gland             |
| * Nose                   | * Parathyroid Gland        | * Pituitary Gland         | * Skin                      |
| * Stomach, Glandular     | * Thymus                   | Tooth                     | * Trachea                   |

OBSERVATIONS

|                          |  |                     |          |
|--------------------------|--|---------------------|----------|
| * Adrenal Cortex         | Subcapsular                            | Hyperplasia         | Mild     |
| * Bone Marrow            |  | Histiocytic Sarcoma |          |
|                          |  | Hyperplasia         | Marked   |
| * Brain                  |  | Gliosis             | Mild     |
| * Heart                  |  | Mineralization      | Mild     |
| * Kidney                 |  | Histiocytic Sarcoma |          |
| * Liver                  |  | Histiocytic Sarcoma |          |
|                          | [ Histiocytic Sarcoma TGLs = 2-3+4+5 ] |                     |          |
| * Lung                   |  | Histiocytic Sarcoma |          |
| Lymph Node               | Lumbar                                 | Histiocytic Sarcoma |          |
|                          | Renal                                  | Histiocytic Sarcoma |          |
|                          | Mediastinal                            | Histiocytic Sarcoma |          |
|                          | [ Histiocytic Sarcoma TGLs = 5-10 ]    |                     |          |
|                          | [ Histiocytic Sarcoma TGLs = 6-11 ]    |                     |          |
|                          | [ Histiocytic Sarcoma TGLs = 8-12 ]    |                     |          |
| * Lymph Node, Mandibular |  | Histiocytic Sarcoma |          |
| * Lymph Node, Mesenteric |  | Histiocytic Sarcoma |          |
|                          | [ Histiocytic Sarcoma TGLs = 7-5 ]     |                     |          |
| * Ovary                  |  | Cyst                | Moderate |
|                          |  | Histiocytic Sarcoma |          |
|                          | [ Cyst TGLs = 4-7 ]                    |                     |          |
| * Pancreas               |  | Histiocytic Sarcoma |          |
| * Salivary Glands        |  | Histiocytic Sarcoma |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700352

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |   |                                  |                |
|------------------------|---|----------------------------------|----------------|
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked         |
|                        |   | Histiocytic Sarcoma              |                |
|                        | [ Histiocytic Sarcoma TGLs = 1-4 ]      |                                  |                |
| * Stomach, Forestomach |   | Squamous Cell Papilloma          |                |
|                        | [ Squamous Cell Papilloma TGLs = 9-13 ] |                                  |                |
| * Thyroid Gland        |   | Ultimobranchial Cyst             | Multiple       |
| * Urinary Bladder      |   | Histiocytic Sarcoma              |                |
| * Uterus               | Endometrium                             | Hyperplasia                      | Cystic, Marked |
|                        | [ Hyperplasia TGLs = 3-7 ]              |                                  |                |

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 200 mg/kg

DISP: Accidentally Killed

HISTO: 0700353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Clitoral Gland          | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lymph Node, Mandibular | * Mammary Gland            | * Nose                    | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Skin                   | * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             |
| Tooth                    | * Trachea                  | * Urinary Bladder         | * Uterus                    |

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                      | Mild               |
| * Bone                   |  | Fracture                         | Moderate           |
|                          | [ Fracture TGLs = 2-14 ]                         |                                  |                    |
| * Bone Marrow            |  | Hyperplasia                      | Mild               |
| * Brain                  |  | Hemorrhage                       | Moderate           |
|                          | [ Hemorrhage TGLs = 3-2 ]                        |                                  |                    |
| * Liver                  |  | Eosinophilic Focus               |                    |
|                          |  | Hepatocellular Adenoma           | Multiple           |
|                          |  | Hepatocellular Carcinoma         |                    |
|                          |  | Hypertrophy                      | Marked             |
|                          |  | Inflammation                     | Mild               |
|                          |  | Vacuolization Cytoplasmic        | Moderate           |
|                          | [ Hepatocellular Adenoma TGLs = 4,5,7-10+11+13 ] |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 6-12 ]         |                                  |                    |
| * Lung                   |  | Hemorrhage                       | Moderate           |
|                          | [ Hemorrhage TGLs = 8-3 ]                        |                                  |                    |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Moderate |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Mild               |
|                          |  | Hyperplasia                      | Lymphoid, Moderate |
| * Stomach, Forestomach   | Epithelium                                       | Hyperplasia                      | Minimal            |
|                          |  | Inflammation                     | Minimal            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 251

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 685

**DOSE:** 200 mg/kg

**DISP:** Accidentally Killed

**HISTO:** 0700353

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Bone Fracture

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Mammary Gland             | * Pituitary Gland        | * Salivary Glands          |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          | Tooth                      |
| * Trachea                 |                             |                          |                            |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|                          |  |                           |          |
|--------------------------|--|---------------------------|----------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia               | Mild     |
| * Bone Marrow            |  | Hyperplasia               | Mild     |
| * Islets, Pancreatic     |  | Hyperplasia               | Minimal  |
| * Liver                  |  | Eosinophilic Focus        |          |
|                          |  | Hepatocellular Adenoma    | Multiple |
|                          |  | Hepatocellular Carcinoma  | Multiple |
|                          |  | Inflammation              | Minimal  |
|                          |  | Lymphoma Malignant        |          |
|                          |  | Vacuolization Cytoplasmic | Minimal  |
|                          | [ Hepatocellular Adenoma TGLs = 2,4,5-12+14+15 ] |                           |          |
|                          | [ Hepatocellular Carcinoma TGLs = 1,3-10+13 ]    |                           |          |
| * Lung                   |  | Lymphoma Malignant        |          |
| Lymph Node               | Inguinal   | Lymphoma Malignant        |          |
|                          | Bronchial  | Lymphoma Malignant        |          |
| * Lymph Node, Mandibular |  | Lymphoma Malignant        |          |
| * Lymph Node, Mesenteric |  | Lymphoma Malignant        |          |
| * Nose                   |  | Adenoma                   |          |
| * Ovary                  |  | Lymphoma Malignant        |          |
| * Pancreas               |  | Lymphoma Malignant        |          |
| * Skin                   | Tail   | Melanoma Malignant        |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700354

ORGAN AND ACCOUNTABLE SITE STATUS

|                   |                                    |  |                  |
|-------------------|------------------------------------|--|------------------|
| * Spleen          | [ Melanoma Malignant TGLs = 6-11 ] | Hematopoietic Cell Proliferation<br>Lymphoma Malignant | Moderate         |
| * Thymus          | [ Lymphoma Malignant TGLs = 7-4 ]  | Lymphoma Malignant                                     |                  |
| * Urinary Bladder |                                    | Lymphoma Malignant                                     |                  |
| * Uterus          | Endometrium                        | Hyperplasia  | Cystic, Moderate |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 634

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel              | * Bone                   | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

|                   |   |                                  |                  |
|-------------------|---|----------------------------------|------------------|
| * Adrenal Cortex  | Subcapsular                             | Hyperplasia                      | Minimal          |
| * Adrenal Medulla |   | Pheochromocytoma Benign          |                  |
|                   | [ Pheochromocytoma Benign TGLs = 1-10 ] |                                  |                  |
| * Bone Marrow     |   | Hyperplasia                      | Minimal          |
| * Kidney          |   | Metaplasia                       | Osseous, Minimal |
| * Liver           |   | Hepatocellular Adenoma           |                  |
|                   |   | Tension Lipidosis                |                  |
|                   |   | Vacuolization Cytoplasmic        | Mild             |
|                   | [ Hepatocellular Adenoma TGLs = 2-10 ]  |                                  |                  |
| * Pituitary Gland | Pars Distalis                           | Hyperplasia                      | Minimal          |
| * Spleen          |   | Hematopoietic Cell Proliferation | Minimal          |
| * Uterus          | Endometrium                             | Hyperplasia                      | Cystic, Mild     |

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Benign

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 200 mg/kg

DISP: Accidentally Killed

HISTO: 0700356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                                      | Hyperplasia                      | Minimal           |
| * Bone           |  | Fracture                         | Moderate          |
|                  | [ Fracture TGLs = 1,2-10+11 ]                    |                                  |                   |
| * Liver          |  | Eosinophilic Focus               |                   |
|                  |  | Hepatocellular Adenoma           | Multiple          |
|                  |  | Hypertrophy                      | Moderate          |
|                  |  | Inflammation                     | Mild              |
|                  |  | Mixed Cell Focus                 |                   |
|                  |  | Vacuolization Cytoplasmic        | Moderate          |
|                  | [ Eosinophilic Focus TGLs = 7-14 ]               |                                  |                   |
|                  | [ Hepatocellular Adenoma TGLs = 5,8,9-12+15+16 ] |                                  |                   |
| * Lung           |  | Hemorrhage                       | Mild              |
|                  | [ Hemorrhage TGLs = 3-3 ]                        |                                  |                   |
| * Ovary          |  | Cystadenoma                      |                   |
|                  | [ Cystadenoma TGLs = 4-7 ]                       |                                  |                   |
| * Spleen         |  | Hematopoietic Cell Proliferation | Moderate          |
|                  |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus         |  | Hyperplasia                      | Lymphoid, Mild    |
| * Uterus         | Endometrium                                      | Hyperplasia                      | Cystic, Moderate  |

PRIMARY CAUSE OF DEATH - Bone Fracture

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 586

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland           | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                                    |             |                                  |              |
|------------------------------------|-------------|----------------------------------|--------------|
| * Adrenal Cortex                   | Subcapsular | Hyperplasia                      | Minimal      |
| * Bone Marrow                      |             | Hyperplasia                      | Moderate     |
| * Liver                            |             | Eosinophilic Focus               |              |
|                                    |             | Inflammation                     | Minimal      |
|                                    |             | Mixed Cell Focus                 |              |
|                                    |             | Tension Lipidosis                |              |
|                                    |             | Sarcoma                          |              |
| [ Eosinophilic Focus TGLs = 2-11 ] |             |                                  |              |
| Skeletal Muscle                    |             |                                  |              |
| [ Sarcoma TGLs = 1-10 ]            |             |                                  |              |
| * Spleen                           |             | Hematopoietic Cell Proliferation | Marked       |
| * Uterus                           | Endometrium | Hyperplasia                      | Cystic, Mild |
|                                    |             | Inflammation                     | Minimal      |
| [ Hyperplasia TGLs = 3-7 ]         |             |                                  |              |

PRIMARY CAUSE OF DEATH - Skeletal Muscle Sarcoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Pancreas                 |
| * Parathyroid Gland       | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                        |   |                                  |                |
|------------------------|---|----------------------------------|----------------|
| * Adrenal Cortex       | Subcapsular                             | Hyperplasia                      | Mild           |
| * Bone Marrow          |   | Hyperplasia                      | Moderate       |
| * Liver                |   | Basophilic Focus                 |                |
|                        |   | Eosinophilic Focus               |                |
|                        |   | Hepatocellular Adenoma           | Multiple       |
|                        |   | Hypertrophy                      | Moderate       |
|                        |   | Inflammation                     | Minimal        |
|                        |   | Mixed Cell Focus                 |                |
|                        |   | Vacuolization Cytoplasmic        | Moderate       |
|                        | [ Eosinophilic Focus TGLs = 3,4-12+13 ] |                                  |                |
|                        | [ Hepatocellular Adenoma TGLs = 2-11 ]  |                                  |                |
|                        | [ Mixed Cell Focus TGLs = 1-10 ]        |                                  |                |
| Lymph Node             | Bronchial                               | Hyperplasia                      | Lymphoid, Mild |
| Mesentery              | Fat                                     | Necrosis                         | Marked         |
|                        | [ Necrosis TGLs = 6-14 ]                |                                  |                |
| * Ovary                |   | Cyst                             | Mild           |
| * Pituitary Gland      | Pars Distalis                           | Hyperplasia                      | Mild           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate       |
|                        |   | Hyperplasia                      | Lymphoid, Mild |
| * Stomach, Forestomach | Epithelium                              | Hyperkeratosis                   | Mild           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 256

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700358

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                            |             |              |              |
|----------------------------|-------------|--------------|--------------|
| * Uterus                   | Epithelium  | Hyperplasia  | Mild         |
|                            | Endometrium | Hyperplasia  | Cystic, Mild |
|                            |             | Inflammation | Moderate     |
| [ Hyperplasia TGLs = 5-7 ] |             |              |              |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Mammary Gland          | * Nose                     | * Ovary                   |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | Tooth                     |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                           |

OBSERVATIONS

|                      |             |                                  |                   |
|----------------------|-------------|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia                      | Mild              |
| * Bone Marrow        |             | Hyperplasia                      | Minimal           |
| * Harderian Gland    |             | Adenoma                          |                   |
| * Islets, Pancreatic |             | Hyperplasia                      | Minimal           |
| * Kidney             |             | Mineralization                   | Minimal           |
| * Liver              |             | Basophilic Focus                 |                   |
|                      |             | Hemangiosarcoma                  |                   |
|                      |             | Inflammation                     | Moderate          |
|                      |             | Vacuolization Cytoplasmic        | Mild              |
|                      |             |                                  |                   |
|                      |             | Hyperplasia                      | Lymphoid, Mild    |
|                      |             | Infiltration Cellular            | Lymphoid, Minimal |
|                      |             | Hematopoietic Cell Proliferation | Moderate          |
|                      |             | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland      | C Cell      | Hyperplasia                      | Minimal           |

[ Basophilic Focus TGLs = 2-11 ]  
 [ Hemangiosarcoma TGLs = 1-10 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Glandular     | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                          |                                    |                                  |                   |
|--------------------------|------------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                        | Hyperplasia                      | Mild              |
| * Bone Marrow            |                                    | Hyperplasia                      | Minimal           |
| * Kidney                 |                                    | Nephropathy                      | Minimal           |
| * Liver                  |                                    | Eosinophilic Focus               |                   |
|                          |                                    | Hepatocellular Adenoma           |                   |
|                          |                                    | Inflammation                     | Mild              |
|                          | [ Eosinophilic Focus TGLs = 1-10 ] |                                  |                   |
| * Lymph Node, Mandibular |                                    | Hyperplasia                      | Lymphoid, Minimal |
| * Pituitary Gland        | Pars Distalis                      | Hyperplasia                      | Mild              |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Marked            |
| * Stomach, Forestomach   | Epithelium                         | Hyperkeratosis                   | Minimal           |
|                          | Epithelium                         | Hyperplasia                      | Mild              |
| * Thymus                 |                                    | Hyperplasia                      | Lymphoid, Mild    |
| * Uterus                 | Endometrium                        | Hyperplasia                      | Cystic, Moderate  |
|                          |                                    | Malformation                     |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 627

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Parathyroid Gland       | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Thymus

OBSERVATIONS

|                   |  |                                  |                |
|-------------------|--|----------------------------------|----------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia                      | Minimal        |
| * Bone Marrow     |  | Hyperplasia                      | Moderate       |
| * Liver           |  | Hematopoietic Cell Proliferation | Mild           |
|                   |  | Hepatocellular Adenoma           |                |
|                   |  | Inflammation                     | Minimal        |
|                   |  | Mixed Cell Focus                 |                |
|                   |  | Tension Lipidosis                |                |
|                   |  | Vacuolization Cytoplasmic        | Mild           |
|                   | [ Hepatocellular Adenoma TGLs = 1-10 ] |                                  |                |
|                   | [ Mixed Cell Focus TGLs = 4-11 ]       |                                  |                |
| * Pancreas        |  | Atrophy                          | Minimal        |
| * Pituitary Gland | Pars Distalis                          | Hyperplasia                      | Minimal        |
| * Spleen          |  | Hematopoietic Cell Proliferation | Marked         |
| * Uterus          | Endometrium                            | Hyperplasia                      | Cystic, Marked |
|                   |  | Inflammation                     | Marked         |
|                   | [ Hyperplasia TGLs = 3-7 ]             |                                  |                |

PRIMARY CAUSE OF DEATH - Uterus Inflammation

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

|                   |  |                                  |                |
|-------------------|--|----------------------------------|----------------|
| * Adrenal Cortex  | Subcapsular                                      | Hyperplasia                      | Minimal        |
| * Bone Marrow     |  | Hyperplasia                      | Mild           |
| * Liver           |  | Eosinophilic Focus               |                |
|                   |  | Hepatocellular Adenoma           | Multiple       |
|                   |  | Inflammation                     | Mild           |
|                   |  | Lymphoma Malignant               |                |
|                   |  | Mixed Cell Focus                 |                |
|                   |  | Vacuolization Cytoplasmic        | Moderate       |
|                   | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                                  |                |
|                   | [ Lymphoma Malignant TGLs = 4-13 ]               |                                  |                |
|                   | [ Mixed Cell Focus TGLs = 5-14 ]                 |                                  |                |
| * Pituitary Gland | Pars Distalis                                    | Hyperplasia                      | Minimal        |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate       |
|                   |  | Hyperplasia                      | Lymphoid, Mild |
| * Thymus          |  | Hyperplasia                      | Lymphoid, Mild |
| * Uterus          | Endometrium                                      | Hyperplasia                      | Cystic, Mild   |
|                   | [ Hyperplasia TGLs = 6-7 ]                       |                                  |                |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 648

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | Tooth                      |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

OBSERVATIONS

|                           |                |                                  |                |
|---------------------------|----------------|----------------------------------|----------------|
| * Adrenal Cortex          | Subcapsular    | Hyperplasia                      | Mild           |
| * Bone Marrow             |                | Hyperplasia                      | Mild           |
| * Liver                   |                | Eosinophilic Focus               |                |
|                           |                | Inflammation                     | Minimal        |
|                           |                | Vacuolization Cytoplasmic        | Minimal        |
| * Mammary Gland           |                | Carcinoma                        |                |
| [ Carcinoma TGLs = 1-10 ] |                |                                  |                |
| * Spleen                  |                | Hematopoietic Cell Proliferation | Moderate       |
|                           |                | Hyperplasia                      | Lymphoid, Mild |
| * Thyroid Gland           | Follicular Cel | Hypertrophy                      | Minimal        |

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thymus                 | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|   |             |  |                   |
|---|-------------|--|-------------------|
| * Adrenal Cortex  | Subcapsular | Hyperplasia                                      | Mild              |
| * Bone  |             | Osteoporosis                                     | Mild              |
| * Bone Marrow   |             | Hyperplasia                                      | Moderate          |
| * Eye   |             | Cataract   | Marked            |
|   |             | Phthisis Bulbi                                   |                   |
| Note: Marked mineralization present with cataractic change. |             |  |                   |
| [ Cataract TGLs = 6-9 ]                                     |             |  |                   |
| [ Phthisis Bulbi TGLs = 5-9 ]                               |             |  |                   |
| * Kidney  |             | Nephropathy                                      | Minimal           |
| * Liver   |             | Basophilic Focus                                 |                   |
|   |             | Eosinophilic Focus                               |                   |
|   |             | Hepatocellular Adenoma                           | Multiple          |
|   |             | Inflammation                                     | Mild              |
|   |             | Mixed Cell Focus                                 |                   |
|   |             | Tension Lipidosis                                |                   |
|   |             | Vacuolization Cytoplasmic                        | Minimal           |
|   |             |  |                   |
|   |             | [ Eosinophilic Focus TGLs = 4-13 ]               |                   |
|   |             | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                   |
|   |             | [ Mixed Cell Focus TGLs = 3-12 ]                 |                   |
| * Lymph Node, Mandibular                                    |             | Hyperplasia                                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700364

ORGAN AND ACCOUNTABLE SITE STATUS

|                              |             |                                  |                   |
|------------------------------|-------------|----------------------------------|-------------------|
| * Ovary                      |             | Cyst                             | Moderate          |
| [ Cyst TGLs = 9-7 ]          |             |                                  |                   |
| * Pancreas                   |             | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen                     |             | Hematopoietic Cell Proliferation | Moderate          |
|                              |             | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland              | C Cell      | Hyperplasia                      | Minimal           |
|                              |             | Ultimobranchial Cyst             | Multiple          |
| Tooth                        |             | Dysplasia                        |                   |
| * Uterus                     | Endometrium | Hyperplasia                      | Cystic, Moderate  |
|                              |             | Inflammation                     | Mild              |
| [ Hyperplasia TGLs = 7,8-7 ] |             |                                  |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                        |   |                                  |                    |
|------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Mild               |
| * Bone Marrow          |   | Hyperplasia                      | Minimal            |
| * Kidney               |   | Mineralization                   | Minimal            |
| * Liver                |   | Basophilic Focus                 |                    |
|                        |   | Eosinophilic Focus               |                    |
|                        |   | Erythrophagocytosis              | Minimal            |
|                        |   | Hepatocellular Adenoma           | Multiple           |
|                        |   | Hypertrophy                      | Mild               |
|                        |   | Inflammation                     | Minimal            |
|                        |   | Vacuolization Cytoplasmic        | Mild               |
|                        | [ Eosinophilic Focus TGLs = 6-15 ]                              |                                  |                    |
|                        | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5,6-10+11+12+13+14+15 ] |                                  |                    |
| * Pituitary Gland      | Pars Distalis   | Hyperplasia                      | Moderate           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate           |
|                        |   | Hyperplasia                      | Lymphoid, Minimal  |
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis                   | Minimal            |
|                        | Epithelium  | Hyperplasia                      | Minimal            |
| * Thymus               |   | Hyperplasia                      | Lymphoid, Moderate |
| * Thyroid Gland        | C Cell  | Hyperplasia                      | Minimal            |
| * Uterus               | Endometrium   | Hyperplasia                      | Cystic, Moderate   |
|                        | [ Hyperplasia TGLs = 7-7 ]                                      |                                  |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |
| * Uterus                    |                          |                            |                           |

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia                      | Mild              |
| * Bone                   |   | Osteoporosis                     | Mild              |
| * Bone Marrow            |   | Hyperplasia                      | Mild              |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Erythrophagocytosis              | Minimal           |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Hypertrophy                      | Mild              |
|                          |   | Inflammation                     | Mild              |
|                          |   | Mixed Cell Focus                 |                   |
|                          | [ Eosinophilic Focus TGLs = 2,3-11+12 ]       |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3-10+12 ] |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Respirat Epith                                | Hyperplasia                      | Minimal           |
| * Pituitary Gland        | Pars Distalis                                 | Adenoma                          |                   |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate          |
|                          |   | Hyperplasia                      | Lymphoid, Mild    |

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 265

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700367

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thyroid Gland           | Tooth                       | * Trachea                | * Urinary Bladder          |
| * Uterus                  |                             |                          |                            |

**OBSERVATIONS**

|                          |   |                                  |                    |
|--------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia                      | Mild               |
| * Bone Marrow            |   | Hyperplasia                      | Minimal            |
| * Kidney                 |   | Nephropathy                      | Minimal            |
| * Liver                  |   | Basophilic Focus                 |                    |
|                          |   | Eosinophilic Focus               |                    |
|                          |   | Hepatoblastoma                   |                    |
|                          |   | Hepatocellular Adenoma           | Multiple           |
|                          |   | Hypertrophy                      | Mild               |
|                          |   | Inflammation                     | Mild               |
|                          |   | Vacuolization Cytoplasmic        | Mild               |
|                          | [ Eosinophilic Focus TGLs = 5,6-13+14 ]       |                                  |                    |
|                          | [ Hepatoblastoma TGLs = 1-10 ]                |                                  |                    |
|                          | [ Hepatocellular Adenoma TGLs = 2,3,4-11+12 ] |                                  |                    |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal  |
| * Pituitary Gland        | Pars Distalis                                 | Hyperplasia                      | Minimal            |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate           |
|                          |   | Hyperplasia                      | Lymphoid, Moderate |
|                          |   | Lymphoma Malignant               |                    |
| * Thymus                 |   | Hyperplasia                      | Lymphoid, Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                 | Hyperplasia                      | Mild              |
| * Bone                   |   | Osteoporosis                     | Mild              |
| * Liver                  |   | Clear Cell Focus                 |                   |
|                          |   | Eosinophilic Focus               |                   |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Inflammation                     | Minimal           |
|                          |   | Mixed Cell Focus                 |                   |
|                          |   | Tension Lipidosis                |                   |
|                          |   | Vacuolization Cytoplasmic        | Mild              |
|                          | [ Hepatocellular Adenoma TGLs = 3,4-12+13 ] |                                  |                   |
|                          | [ Mixed Cell Focus TGLs = 1,2-10+11 ]       |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Respirat Epith                              | Hyperplasia                      | Minimal           |
| * Ovary                  |   | Cyst                             | Moderate          |
|                          | [ Cyst TGLs = 6-7 ]                         |                                  |                   |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate          |
|                          |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland          |   | Ultimobranchial Cyst             | Multiple          |
| * Uterus                 | Endometrium                                 | Hyperplasia                      | Cystic, Mild      |

Animal Note: TGL 5-14 = No Corresponding Lesion

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| * Thyroid Gland           | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                  |  |                           |                    |
|------------------|--|---------------------------|--------------------|
| * Adrenal Cortex | Subcapsular                            | Hyperplasia               | Mild               |
| * Bone           |  | Osteoporosis              | Minimal            |
| * Liver          |  | Eosinophilic Focus        |                    |
|                  |  | Fatty Change              | Focal              |
|                  |  | Hepatocellular Adenoma    |                    |
|                  |  | Hypertrophy               | Minimal            |
|                  |  | Inflammation              | Mild               |
|                  |  | Lymphoma Malignant        |                    |
|                  |  | Mixed Cell Focus          |                    |
|                  |  | Vacuolization Cytoplasmic | Moderate           |
|                  | [ Hepatocellular Adenoma TGLs = 1-10 ] |                           |                    |
| * Spleen         |  | Hyperplasia               | Lymphoid, Moderate |
|                  |  | Lymphoma Malignant        |                    |
| * Uterus         | Endometrium                            | Hyperplasia               | Cystic, Moderate   |
|                  | [ Hyperplasia TGLs = 2-7 ]             |                           |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 656

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Bone                    | * Brain                     | * Clitoral Gland         |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | Tooth                     | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

OBSERVATIONS

|                        |                |  |                    |
|------------------------|----------------|--|--------------------|
| * Adrenal Cortex       | Subcapsular    | Hyperplasia                              | Minimal            |
| Blood Vessel           |                | Mineralization                           | Moderate           |
| * Bone Marrow          |                | Hyperplasia                              | Moderate           |
| * Harderian Gland      |                | Hyperplasia                              | Mild               |
| * Heart                |                | Mineralization                           | Minimal            |
| * Islets, Pancreatic   |                | Hyperplasia                              | Minimal            |
| * Kidney               |                | Mineralization                           | Moderate           |
| * Liver                |                | Basophilic Focus                         |                    |
|                        |                | Hepatocellular Carcinoma                 |                    |
|                        |                | Inflammation                             | Mild               |
|                        |                | Necrosis                                 | Moderate           |
|                        |                | [ Basophilic Focus TGLs = 3-12 ]         |                    |
|                        |                | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                    |
|                        |                | [ Necrosis TGLs = 2-11 ]                 |                    |
| * Lung                 |                | Hepatocellular Carcinoma                 | Metastatic (Liver) |
| * Nose                 | Respirat Epith | Hyperplasia                              | Minimal            |
| * Spleen               |                | Hematopoietic Cell Proliferation         | Marked             |
| * Stomach, Forestomach |                | Mineralization                           | Minimal            |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

OBSERVATIONS

|                  |  |                                  |                      |
|------------------|--|----------------------------------|----------------------|
| * Adrenal Cortex | Subcapsular                                    | Hyperplasia                      | Mild                 |
| * Bone Marrow    |  | Hyperplasia                      | Moderate             |
| * Liver          |  | Hepatocellular Adenoma           |                      |
|                  |  | Inflammation                     | Mild                 |
|                  | [ Hepatocellular Adenoma TGLs = 3-11 ]         |                                  |                      |
| * Lung           |  | Alveolar/Bronchiolar Carcinoma   |                      |
|                  |  | Infiltration Cellular            | Histiocyte, Moderate |
|                  |  | Inflammation                     | Moderate             |
|                  | [ Alveolar/Bronchiolar Carcinoma TGLs = 2-10 ] |                                  |                      |
| * Nose           | Respirat Epith                                 | Hyperplasia                      | Minimal              |
| * Spleen         |  | Hematopoietic Cell Proliferation | Mild                 |
|                  |  | Hyperplasia                      | Lymphoid, Mild       |

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| Blood Vessel             | * Brain                    | * Clitoral Gland          | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Salivary Glands           |
| * Skin                   | * Stomach, Glandular       | Tooth                     | * Trachea                   |

OBSERVATIONS

|                        |  |                                  |                              |
|------------------------|--|----------------------------------|------------------------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal                      |
| * Adrenal Medulla      |  | Pheochromocytoma Malignant       |                              |
|                        | [ Pheochromocytoma Malignant TGLs = 6-14 ]                 |                                  |                              |
| * Bone                 |  | Osteoporosis                     | Minimal                      |
| * Bone Marrow          |  | Hyperplasia                      | Moderate                     |
| * Liver                |  | Eosinophilic Focus               |                              |
|                        |  | Hematopoietic Cell Proliferation | Minimal                      |
|                        |  | Hepatocellular Adenoma           | Multiple                     |
|                        |  | Hypertrophy                      | Mild                         |
|                        |  | Inflammation                     | Mild                         |
|                        |  | Mixed Cell Focus                 |                              |
|                        |  | Vacuolization Cytoplasmic        | Minimal                      |
|                        | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |                              |
| * Lung                 |  | Pheochromocytoma Malignant       | Metastatic (Adrenal Medulla) |
| * Pituitary Gland      | Pars Distalis  | Hyperplasia                      | Minimal                      |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate                     |
|                        |  | Hyperplasia                      | Lymphoid, Moderate           |
|                        |  | Lymphoma Malignant               |                              |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Mild                         |
|                        | Epithelium   | Hyperplasia                      | Moderate                     |
|                        |  | Inflammation                     | Mild                         |
| * Thymus               |  | Hyperplasia                      | Lymphoid, Mild               |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 270

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700372

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland  
\* Urinary Bladder  
\* Uterus

Endometrium

Ultimobranchial Cyst  
Infiltration Cellular  
Hyperplasia  
Inflammation

Multiple  
Lymphoid, Mild  
Cystic, Mild  
Minimal

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Clitoral Gland           |
| * Esophagus               | * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Mammary Gland             | * Parathyroid Gland      | * Salivary Glands          |
| * Skin                    | * Stomach, Glandular        | Tooth                    | * Trachea                  |

OBSERVATIONS

|                            |                                     |  |                  |
|----------------------------|-------------------------------------|--|------------------|
| * Adrenal Cortex           | Subcapsular                         | Hyperplasia<br>Lymphoma Malignant                              | Mild             |
| Note: Extra adrenal tissue |                                     |  |                  |
| * Bone Marrow              |                                     | Hyperplasia<br>Lymphoma Malignant                              | Marked           |
| * Brain                    |                                     | Lymphoma Malignant   |                  |
| * Eye                      | Retrobulbar                         | Lymphoma Malignant   |                  |
| * Gallbladder              |                                     | Lymphoma Malignant   |                  |
| * Heart                    |                                     | Lymphoma Malignant   |                  |
| * Kidney                   |                                     | Mineralization<br>Lymphoma Malignant<br>Mineralization         | Mild<br><br>Mild |
| [ Lymphoma Malignant       | TGLs = 4-4 ]                        |  |                  |
| * Liver                    |                                     | Eosinophilic Focus<br>Lymphoma Malignant                       |                  |
| [ Lymphoma Malignant       | TGLs = 7,8,9,10,11-13+14+15+16+17 ] |  |                  |
| * Lung                     |                                     | Lymphoma Malignant   |                  |
| Lymph Node                 | Lumbar<br>Mediastinal               | Lymphoma Malignant<br>Lymphoma Malignant<br>Lymphoma Malignant |                  |
| [ Lymphoma Malignant       | TGLs = 2-10 ]                       |  |                  |
| [ Lymphoma Malignant       | TGLs = 12-18 ]                      |  |                  |
| * Lymph Node, Mandibular   |                                     | Lymphoma Malignant   |                  |
| [ Lymphoma Malignant       | TGLs = 6-12 ]                       |  |                  |
| * Lymph Node, Mesenteric   |                                     | Lymphoma Malignant   |                  |
| [ Lymphoma Malignant       | TGLs = 5-11 ]                       |  |                  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700373

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                                   |                                  |                  |
|------------------------|-----------------------------------|----------------------------------|------------------|
| * Nose                 | Olfactory Epi                     | Accumulation, Hyaline Droplet    | Minimal          |
| * Ovary                |                                   | Lymphoma Malignant               |                  |
|                        |                                   | Cystadenoma                      |                  |
|                        |                                   | Lymphoma Malignant               |                  |
|                        | [ Cystadenoma TGLs = 13-7 ]       |                                  |                  |
|                        | [ Lymphoma Malignant TGLs = 1-7 ] |                                  |                  |
| * Pancreas             |                                   | Lymphoma Malignant               |                  |
| * Pituitary Gland      |                                   | Lymphoma Malignant               |                  |
| * Spleen               |                                   | Hematopoietic Cell Proliferation | Mild             |
|                        |                                   | Lymphoma Malignant               |                  |
|                        | [ Lymphoma Malignant TGLs = 3-4 ] |                                  |                  |
| * Stomach, Forestomach | Epithelium                        | Hyperkeratosis                   | Marked           |
|                        | Epithelium                        | Hyperplasia                      | Marked           |
|                        |                                   | Inflammation                     | Moderate         |
|                        | Epithelium                        | Ulcer                            | Moderate         |
|                        | [ Ulcer TGLs = 14-19 ]            |                                  |                  |
| * Thymus               |                                   | Lymphoma Malignant               |                  |
| * Thyroid Gland        | Follicular Cel                    | Hypertrophy                      | Minimal          |
|                        |                                   | Lymphoma Malignant               |                  |
| * Urinary Bladder      |                                   | Lymphoma Malignant               |                  |
| * Uterus               | Endometrium                       | Hyperplasia                      | Cystic, Moderate |
|                        |                                   | Lymphoma Malignant               |                  |

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                            |                                   |                                  |                   |
|----------------------------|-----------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex           | Subcapsular                       | Hyperplasia                      | Mild              |
| * Bone                     |                                   | Osteoporosis                     | Mild              |
| * Bone Marrow              |                                   | Hyperplasia                      | Mild              |
| * Liver                    |                                   | Eosinophilic Focus               |                   |
|                            |                                   | Hepatocellular Adenoma           | Multiple          |
|                            |                                   | Hepatocellular Carcinoma         |                   |
|                            |                                   | Hypertrophy                      | Mild              |
|                            |                                   | Inflammation                     | Mild              |
|                            |                                   | Mixed Cell Focus                 |                   |
|                            |                                   | Vacuolization Cytoplasmic        | Moderate          |
| [ Hepatocellular Adenoma   | TGLs = 1,3,4,5,6-10+12+13+14+15 ] |                                  |                   |
| [ Hepatocellular Carcinoma | TGLs = 2-11 ]                     |                                  |                   |
| Lymph Node                 | Inguinal                          | Hyperplasia                      | Lymphoid, Minimal |
| Mesentery                  | Fat                               | Necrosis                         | Marked            |
| [ Necrosis                 | TGLs = 7-10 ]                     |                                  |                   |
| * Nose                     | Respirat Epith                    | Hyperplasia                      | Minimal           |
| * Spleen                   |                                   | Hematopoietic Cell Proliferation | Moderate          |
|                            |                                   | Hyperplasia                      | Lymphoid, Mild    |
| * Stomach, Forestomach     | Epithelium                        | Erosion                          | Moderate          |
|                            | Epithelium                        | Hyperkeratosis                   | Marked            |
|                            | Epithelium                        | Hyperplasia                      | Marked            |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700374

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Marked

[ Hyperplasia TGLs = 8-16 ]

Hyperplasia

Lymphoid, Moderate

\* Thymus

Hyperplasia

Minimal

\* Thyroid Gland

C Cell

Hyperplasia

Cystic, Mild

\* Uterus

Endometrium

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Pancreas                  | * Salivary Glands        | * Skin                     | * Thymus                  |
| * Thyroid Gland             | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                                    | Hyperplasia                      | Minimal           |
| * Bone Marrow     |  | Hyperplasia                      | Mild              |
| * Heart           |  | Cardiomyopathy                   | Minimal           |
| * Kidney          |  | Nephropathy                      | Mild              |
| * Liver           |  | Eosinophilic Focus               |                   |
|                   |  | Hematopoietic Cell Proliferation | Minimal           |
|                   |  | Hepatocellular Adenoma           | Multiple          |
|                   |  | Inflammation                     | Minimal           |
|                   |  | Mixed Cell Focus                 |                   |
|                   | [ Eosinophilic Focus TGLs = 3-12 ]             |                                  |                   |
|                   | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ]    |                                  |                   |
|                   | [ Mixed Cell Focus TGLs = 3-12 ]               |                                  |                   |
| * Lung            |  | Alveolar/Bronchiolar Carcinoma   |                   |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 4-13 ] |                                  |                   |
| Lymph Node        | Bronchial                                      | Hyperplasia                      | Lymphoid, Minimal |
| Mesentery         | Fat  | Necrosis                         | Marked            |
|                   | [ Necrosis TGLs = 7-14 ]                       |                                  |                   |
| * Ovary           |  | Cyst                             | Moderate          |
|                   | [ Cyst TGLs = 5-7 ]                            |                                  |                   |
| * Pituitary Gland | Pars Distalis                                  | Hyperplasia                      | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 273

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700375

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |                            |                                  |              |
|------------------------|----------------------------|----------------------------------|--------------|
| * Spleen               |                            | Hematopoietic Cell Proliferation | Moderate     |
| * Stomach, Forestomach | Epithelium                 | Hyperkeratosis                   | Moderate     |
|                        | Epithelium                 | Hyperplasia                      | Moderate     |
|                        |                            | Inflammation                     | Mild         |
| * Stomach, Glandular   |                            | Inflammation                     | Minimal      |
| Tooth                  |                            | Dysplasia                        |              |
| * Uterus               | Endometrium                | Hyperplasia                      | Cystic, Mild |
|                        | [ Hyperplasia TGLs = 6-7 ] |                                  |              |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Glandular     | Tooth                      |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

OBSERVATIONS

|                          |                |   |                    |
|--------------------------|----------------|---|--------------------|
| * Adrenal Cortex         | Subcapsular    | Hyperplasia                                 | Minimal            |
| * Bone Marrow            |                | Hyperplasia                                 | Moderate           |
| * Liver                  | Bile Duct      | Cyst  |                    |
|                          |                | Eosinophilic Focus                          |                    |
|                          |                | Hepatocellular Adenoma                      | Multiple           |
|                          |                | Hepatocellular Carcinoma                    |                    |
|                          |                | Hypertrophy                                 | Mild               |
|                          |                | Inflammation                                | Mild               |
|                          |                | Mixed Cell Focus                            |                    |
|                          |                | Necrosis                                    | Minimal            |
|                          |                | Vacuolization Cytoplasmic                   | Moderate           |
|                          |                | [ Eosinophilic Focus TGLs = 3-12 ]          |                    |
|                          |                | [ Hepatocellular Adenoma TGLs = 2,5-11+14 ] |                    |
|                          |                | [ Hepatocellular Carcinoma TGLs = 1-10 ]    |                    |
|                          |                | [ Mixed Cell Focus TGLs = 3,4-12 ]          |                    |
| * Lung                   |                | Hepatocellular Carcinoma                    | Metastatic (Liver) |
|                          |                | Infiltration Cellular                       | Histiocyte, Mild   |
|                          |                | Inflammation                                | Mild               |
| * Lymph Node, Mandibular |                | Hyperplasia                                 | Lymphoid, Minimal  |
| * Nose                   | Respirat Epith | Hyperplasia                                 | Minimal            |
| * Spleen                 |                | Hematopoietic Cell Proliferation            | Moderate           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 274

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700376

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |        |              |                   |
|------------------------|--------|--------------|-------------------|
| * Stomach, Forestomach |        | Hyperplasia  | Lymphoid, Minimal |
| * Thymus               |        | Inflammation | Mild              |
| * Thyroid Gland        | C Cell | Hyperplasia  | Lymphoid, Mild    |
|                        |        | Hyperplasia  | Minimal           |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | Tooth                       | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|                  |   |                                  |                |
|------------------|---|----------------------------------|----------------|
| * Adrenal Cortex | Subcapsular   | Hyperplasia                      | Mild           |
| * Kidney         |   | Nephropathy                      | Minimal        |
| * Liver          |   | Eosinophilic Focus               |                |
|                  |   | Hepatocellular Adenoma           | Multiple       |
|                  |   | Hypertrophy                      | Mild           |
|                  |   | Inflammation                     | Minimal        |
|                  |   | Mixed Cell Focus                 |                |
|                  |   | Vacuolization Cytoplasmic        | Mild           |
|                  | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13 ] |                                  |                |
| * Pancreas       |   | Atrophy                          | Minimal        |
| * Spleen         |   | Hematopoietic Cell Proliferation | Moderate       |
|                  |   | Hyperplasia                      | Lymphoid, Mild |
| * Thyroid Gland  | C Cell  | Hyperplasia                      | Minimal        |
| * Uterus         | Endometrium   | Hyperplasia                      | Cystic, Mild   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            | Tooth                     |
| * Trachea                   | * Uterus                 |                            |                           |

OBSERVATIONS

|                   |   |                                  |                    |
|-------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Minimal            |
| * Bone            |   | Osteoporosis                     | Minimal            |
| * Bone Marrow     |   | Hyperplasia                      | Minimal            |
| * Liver           |   | Eosinophilic Focus               |                    |
|                   |   | Hepatocellular Adenoma           | Multiple           |
|                   |   | Hepatocellular Carcinoma         | Multiple           |
|                   |   | Hypertrophy                      | Mild               |
|                   |   | Inflammation                     | Mild               |
|                   |   | Mixed Cell Focus                 |                    |
|                   |   | Tension Lipidosis                |                    |
|                   |   | Vacuolization Cytoplasmic        | Mild               |
|                   | [ Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13+14 ] |                                  |                    |
|                   | [ Hepatocellular Carcinoma TGLs = 1-10 ]              |                                  |                    |
| Lymph Node        | Bronchial   | Hyperplasia                      | Lymphoid, Moderate |
| Mesentery         | Fat   | Necrosis                         | Moderate           |
|                   | [ Necrosis TGLs = 6-15 ]                              |                                  |                    |
| * Ovary           |   | Cystadenoma                      |                    |
| * Spleen          |   | Hematopoietic Cell Proliferation | Moderate           |
|                   |   | Hyperplasia                      | Lymphoid, Mild     |
| * Urinary Bladder |   | Infiltration Cellular            | Lymphoid, Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone Marrow              | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

OBSERVATIONS

|                   |  |                                  |                  |
|-------------------|--|----------------------------------|------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                      | Minimal          |
| * Bone            |  | Osteoporosis                     | Mild             |
| * Heart           |  | Cardiomyopathy                   | Mild             |
| * Kidney          |  | Nephropathy                      | Minimal          |
| * Liver           |  | Eosinophilic Focus               |                  |
|                   |  | Hepatocellular Adenoma           | Multiple         |
|                   |  | Inflammation                     | Minimal          |
|                   |  | Mixed Cell Focus                 |                  |
|                   |  | Vacuolization Cytoplasmic        | Mild             |
|                   | [ Hepatocellular Adenoma TGLs = 2,3,4,5,7-11+12+13+14+15 ] |                                  |                  |
|                   | [ Mixed Cell Focus TGLs = 1,6-10+12 ]                      |                                  |                  |
| * Lung            | Bronchiole   | Hyperplasia                      | Mild             |
|                   |  | Infiltration Cellular            | Histiocyte, Mild |
|                   |  | Inflammation                     | Moderate         |
| * Pituitary Gland | Pars Distalis  | Hyperplasia                      | Mild             |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate         |
|                   |  | Hyperplasia                      | Lymphoid, Mild   |
| * Uterus          | Endometrium  | Hyperplasia                      | Cystic, Mild     |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Mammary Gland          | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

INSUFFICIENT TISSUE

\* Thyroid Gland

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                      | Minimal            |
| * Bone Marrow            |  | Hyperplasia                      | Minimal            |
| * Liver                  |  | Hepatocellular Adenoma           | Multiple           |
|                          |  | Inflammation                     | Mild               |
|                          |  | Vacuolization Cytoplasmic        | Minimal            |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                                  |                    |
| * Lung                   |  | Inflammation                     | Minimal            |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal  |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Moderate |
| * Nose                   | Respirat Epith                                   | Hyperplasia                      | Minimal            |
| * Ovary                  |  | Hemorrhage                       | Chronic, Moderate  |
|                          | [ Hemorrhage TGLs = 5-7 ]                        |                                  |                    |
| * Salivary Glands        |  | Infiltration Cellular            | Lymphoid, Minimal  |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate           |
|                          |  | Hyperplasia                      | Lymphoid, Minimal  |
| * Uterus                 | Endometrium                                      | Hyperplasia                      | Cystic, Moderate   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

INSUFFICIENT TISSUE

\* Thyroid Gland

OBSERVATIONS

|                      |  |                                  |                 |
|----------------------|--|----------------------------------|-----------------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                      | Mild            |
| * Bone Marrow        |  | Hyperplasia                      | Moderate        |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal         |
| * Liver              |  | Eosinophilic Focus               |                 |
|                      |  | Hepatocellular Adenoma           | Multiple        |
|                      |  | Hypertrophy                      | Mild            |
|                      |  | Inflammation                     | Mild            |
|                      |  | Tension Lipidosis                |                 |
|                      |  | Vacuolization Cytoplasmic        | Moderate        |
|                      | [ Eosinophilic Focus TGLs = 3-12 ]               |                                  |                 |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,4-10+11+13 ] |                                  |                 |
| * Ovary              |  | Cyst                             | Minimal         |
| * Pituitary Gland    | Pars Distalis                                    | Hyperplasia                      | Mild            |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate        |
|                      |  | Hyperplasia                      | Lymphoid, Mild  |
| * Uterus             | Endometrium                                      | Hyperplasia                      | Cystic, Minimal |
|                      |  | Inflammation                     | Moderate        |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 596

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Brain                     | * Clitoral Gland         |
| * Esophagus                | * Eye                     | * Gallbladder               | * Harderian Gland        |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Parathyroid Gland        | Peripheral Nerve          | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | Spinal Cord               | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thyroid Gland            | Tooth                     | * Trachea                   | * Urinary Bladder        |

AUTO PRECLUDES DIAG.

\* Pancreas

OBSERVATIONS

|                          |  |                           |          |
|--------------------------|--|---------------------------|----------|
| * Adrenal Cortex         | Subcapsular                                  | Hyperplasia               | Minimal  |
|                          |  | Lymphoma Malignant        |          |
| * Bone                   | Synovial Tiss                                | Inflammation              | Mild     |
| * Bone Marrow            |  | Necrosis                  | Moderate |
| * Heart                  |  | Necrosis                  | Moderate |
| * Intestine Large, Cecum |  | Necrosis                  | Mild     |
| * Islets, Pancreatic     |  | Hyperplasia               | Minimal  |
| * Kidney                 |  | Mineralization            | Minimal  |
| * Liver                  |  | Eosinophilic Focus        |          |
|                          |  | Hepatocellular Adenoma    | Multiple |
|                          |  | Lymphoma Malignant        |          |
|                          |  | Vacuolization Cytoplasmic | Minimal  |
|                          | [ Eosinophilic Focus TGLs = 10-13 ]          |                           |          |
|                          | [ Hepatocellular Adenoma TGLs = 6,7-10+11 ]  |                           |          |
|                          | [ Lymphoma Malignant TGLs = 3,4,5-10+11+13 ] |                           |          |
| * Lung                   |  | Lymphoma Malignant        |          |
| Lymph Node               | Mediastinal                                  | Lymphoma Malignant        |          |
|                          | Inguinal                                     | Lymphoma Malignant        |          |
|                          | Renal  | Lymphoma Malignant        |          |
|                          | Iliac  | Lymphoma Malignant        |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 596

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700382

ORGAN AND ACCOUNTABLE SITE STATUS

[ Lymphoma Malignant TGLs = 2-6 ]

[ Lymphoma Malignant TGLs = 3-10 ]

[ Lymphoma Malignant TGLs = 4-11 ]

\* Lymph Node, Mandibular

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 9-12 ]

\* Lymph Node, Mesenteric

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 5-5 ]

\* Spleen

Hematopoietic Cell Proliferation

Mild

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 1-4 ]

\* Thymus

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | * Trachea                 |
| * Urinary Bladder           | * Uterus                 |                            |                           |

OBSERVATIONS

|                          |  |                                  |                |
|--------------------------|--|----------------------------------|----------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Mild           |
| * Bone Marrow            |  | Hyperplasia                      | Marked         |
| * Harderian Gland        |  | Adenoma                          |                |
|                          | [ Adenoma TGLs = 7-9 ]                                     |                                  |                |
| * Kidney                 |  | Nephropathy                      | Minimal        |
| * Liver                  |  | Eosinophilic Focus               |                |
|                          |  | Hematopoietic Cell Proliferation | Minimal        |
|                          |  | Hepatocellular Adenoma           | Multiple       |
|                          |  | Inflammation                     | Mild           |
|                          |  | Mixed Cell Focus                 |                |
|                          | [ Hepatocellular Adenoma TGLs = 2,3,4,5,6-11+12+13+14+15 ] |                                  |                |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Mild |
| * Nose                   | Glands   | Metaplasia                       | Minimal        |
| * Skin                   |  | Sarcoma                          |                |
|                          | [ Sarcoma TGLs = 1-10 ]                                    |                                  |                |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate       |
| * Thyroid Gland          | Follicular Cel   | Hypertrophy                      | Minimal        |
| Tooth                    |  | Dysplasia                        |                |

PRIMARY CAUSE OF DEATH - Skin Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Mild              |
| * Bone                   |  | Osteoporosis                     | Mild              |
| * Bone Marrow            |  | Hyperplasia                      | Mild              |
| * Kidney                 |  | Nephropathy                      | Minimal           |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Hematopoietic Cell Proliferation | Minimal           |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Inflammation                     | Minimal           |
|                          |  | Mixed Cell Focus                 |                   |
|                          |  | Vacuolization Cytoplasmic        | Moderate          |
|                          | [ Eosinophilic Focus TGLs = 4-14 ]                       |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3,4-10+11+12+13+14 ] |                                  |                   |
|                          | [ Mixed Cell Focus TGLs = 5-15 ]                         |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate          |
|                          |  | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland          |  | Ultimobranchial Cyst             | Multiple          |
| Tooth                    |  | Dysplasia                        |                   |
| * Uterus                 | Endometrium  | Hyperplasia                      | Cystic, Minimal   |
|                          |  | Inflammation                     | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

**ANIMAL ID:** 283

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 200 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700385

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | * Bone                    | * Brain                     | * Clitoral Gland         |
| * Esophagus                | * Gallbladder             | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney                  | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | Tooth                    |
| * Trachea                  | * Urinary Bladder         |                             |                          |

**MISSING**

Blood Vessel

**OBSERVATIONS**

|                        |  |                                  |                  |
|------------------------|--|----------------------------------|------------------|
| * Adrenal Cortex       |  | Hematopoietic Cell Proliferation | Moderate         |
|                        | Subcapsular                                  | Hyperplasia                      | Minimal          |
| * Bone Marrow          |  | Hyperplasia                      | Moderate         |
| * Eye                  | Cornea                                       | Inflammation                     | Minimal          |
| * Heart                |  | Cardiomyopathy                   | Minimal          |
| * Islets, Pancreatic   |  | Hyperplasia                      | Minimal          |
| * Liver                |  | Hematopoietic Cell Proliferation | Moderate         |
|                        |  | Hepatocellular Adenoma           |                  |
|                        |  | Mixed Cell Focus                 |                  |
|                        |  | Tension Lipidosis                |                  |
|                        |  | Vacuolization Cytoplasmic        | Mild             |
|                        | [ Hepatocellular Adenoma TGLs = 6-13 ]       |                                  |                  |
|                        | [ Mixed Cell Focus TGLs = 2,3,4,5-10+11+12 ] |                                  |                  |
| * Nose                 |  | Inflammation                     | Minimal          |
| * Spleen               |  | Hematopoietic Cell Proliferation | Marked           |
| * Stomach, Forestomach | Epithelium                                   | Hyperplasia                      | Minimal          |
| * Uterus               | Endometrium                                  | Hyperplasia                      | Cystic, Moderate |
|                        |  | Inflammation                     | Marked           |
|                        | [ Hyperplasia TGLs = 1-7 ]                   |                                  |                  |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 283

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 200 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700385

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

- Uterus Inflammation

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | Tooth                    | * Trachea                  | * Urinary Bladder         |

OBSERVATIONS

|                  |   |                                  |                   |
|------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone Marrow    |   | Hyperplasia                      | Moderate          |
| * Heart          |   | Inflammation                     | Minimal           |
| * Liver          |   | Eosinophilic Focus               |                   |
|                  |   | Hematopoietic Cell Proliferation | Minimal           |
|                  |   | Hepatocellular Adenoma           | Multiple          |
|                  |   | Inflammation                     | Minimal           |
|                  |   | Mixed Cell Focus                 |                   |
|                  |   | Tension Lipidosis                |                   |
|                  |   | Vacuolization Cytoplasmic        | Moderate          |
|                  | [ Eosinophilic Focus TGLs = 5-14 ]                    |                                  |                   |
|                  | [ Hepatocellular Adenoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                   |
| * Nose           | Olfactory Epi   | Accumulation, Hyaline Droplet    | Mild              |
|                  | Respirat Epith  | Hyperplasia                      | Minimal           |
| * Ovary          |   | Cyst                             | Mild              |
| * Spleen         |   | Hematopoietic Cell Proliferation | Moderate          |
|                  |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland  | Follicle  | Cyst                             | Multiple          |
| * Uterus         | Endometrium   | Hyperplasia                      | Cystic, Moderate  |
|                  | [ Hyperplasia TGLs = 6-7 ]                            |                                  |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Skin                      | * Thymus                 | * Thyroid Gland            | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

OBSERVATIONS

|                          |                                    |                                  |                    |
|--------------------------|------------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                        | Hyperplasia                      | Mild               |
| * Bone                   |                                    | Osteoporosis                     | Minimal            |
| * Bone Marrow            |                                    | Hyperplasia                      | Mild               |
| * Liver                  |                                    | Eosinophilic Focus               |                    |
|                          |                                    | Inflammation                     | Mild               |
|                          |                                    | Vacuolization Cytoplasmic        | Mild               |
|                          | [ Eosinophilic Focus TGLs = 1-10 ] |                                  |                    |
| * Lymph Node, Mandibular |                                    | Hyperplasia                      | Lymphoid, Mild     |
| * Pituitary Gland        | Pars Distalis                      | Hyperplasia                      | Minimal            |
| * Salivary Glands        |                                    | Infiltration Cellular            | Lymphoid, Minimal  |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Moderate           |
|                          |                                    | Hyperplasia                      | Lymphoid, Moderate |
|                          | [ Hyperplasia TGLs = 2-4 ]         |                                  |                    |
| * Stomach, Forestomach   | Epithelium                         | Hyperplasia                      | Minimal            |
| * Stomach, Glandular     | Epithelium                         | Hyperplasia                      | Mild               |
|                          |                                    | Inflammation                     | Minimal            |
| * Uterus                 | Endometrium                        | Hyperplasia                      | Cystic, Mild       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     |
| * Pancreas                | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

|                          |               |                                  |                   |
|--------------------------|---------------|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone Marrow            |               | Hyperplasia                      | Mild              |
| * Islets, Pancreatic     |               | Hyperplasia                      | Minimal           |
| * Kidney                 |               | Mineralization                   | Minimal           |
| * Liver                  |               | Basophilic Focus                 |                   |
|                          |               | Eosinophilic Focus               |                   |
|                          |               | Inflammation                     | Mild              |
| Lymph Node               | Mediastinal   | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mandibular |               | Hyperplasia                      | Lymphoid, Minimal |
| * Ovary                  |               | Cyst                             | Mild              |
| * Pituitary Gland        | Pars Distalis | Hyperplasia                      | Minimal           |
| * Spleen                 |               | Hematopoietic Cell Proliferation | Moderate          |
|                          |               | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach   | Epithelium    | Hyperplasia                      | Mild              |
| * Uterus                 | Endometrium   | Hyperplasia                      | Cystic, Marked    |
|                          |               | Inflammation                     | Mild              |

[ Hyperplasia TGLs = 1-7 ]

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 447

DOSE: 200 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                          |                         |                                  |                   |
|--------------------------|-------------------------|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular             | Hyperplasia                      | Minimal           |
| * Bone Marrow            |                         | Hyperplasia                      | Moderate          |
| * Kidney                 |                         | Nephropathy                      | Minimal           |
| * Liver                  |                         | Eosinophilic Focus               |                   |
|                          |                         | Inflammation                     | Minimal           |
|                          |                         | Tension Lipidosis                |                   |
|                          |                         | Vacuolization Cytoplasmic        | Minimal           |
| Lymph Node               | Inguinal                | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mandibular |                         | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Respirat Epith          | Hyperplasia                      | Minimal           |
| * Salivary Glands        |                         | Sarcoma                          | Metastatic (Skin) |
| * Skin                   | Subcut Tiss             | Sarcoma                          |                   |
|                          | [ Sarcoma TGLs = 1-10 ] |                                  |                   |
| * Spleen                 |                         | Hematopoietic Cell Proliferation | Moderate          |
| * Uterus                 | Endometrium             | Hyperplasia                      | Cystic, Moderate  |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Mammary Gland          | * Nose                     | * Ovary                   |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                              | Hyperplasia                      | Mild              |
| * Bone                   |  | Osteoporosis                     | Mild              |
| * Bone Marrow            |  | Hyperplasia                      | Moderate          |
| * Kidney                 |  | Nephropathy                      | Minimal           |
| * Liver                  |  | Clear Cell Focus                 |                   |
|                          |  | Hematopoietic Cell Proliferation | Minimal           |
|                          |  | Hepatocellular Adenoma           |                   |
|                          |  | Hepatocellular Carcinoma         |                   |
|                          |  | Hypertrophy                      | Mild              |
|                          |  | Inflammation                     | Minimal           |
|                          |  | Tension Lipidosis                |                   |
|                          |  | Vacuolization Cytoplasmic        | Mild              |
|                          | [ Hepatocellular Adenoma TGLs = 2-11 ]   |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal |
| * Lymph Node, Mesenteric |  | Hyperplasia                      | Lymphoid, Mild    |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Marked            |
| * Thyroid Gland          |  | Ultimobranchial Cyst             | Multiple          |
| * Uterus                 | Endometrium                              | Hyperplasia                      | Cystic, Moderate  |
|                          | [ Hyperplasia TGLs = 3-7 ]               |                                  |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| Blood Vessel             | * Brain                    | * Clitoral Gland          | * Esophagus                 |
| * Eye                    | * Gallbladder              | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Mammary Gland          | * Ovary                    | * Parathyroid Gland       | * Salivary Glands           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             |
| Tooth                    | * Trachea                  | * Urinary Bladder         |                             |

OBSERVATIONS

|                          |                                    |                                  |                    |
|--------------------------|------------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                        | Hyperplasia                      | Minimal            |
| * Adrenal Medulla        |                                    | Hyperplasia                      | Mild               |
| * Bone                   |                                    | Osteoporosis                     | Mild               |
| * Bone Marrow            |                                    | Hyperplasia                      | Mild               |
| * Kidney                 |                                    | Dilatation                       | Moderate           |
|                          |                                    | Nephropathy                      | Marked             |
|                          | [ Nephropathy TGLs = 1-4 ]         |                                  |                    |
| * Liver                  |                                    | Inflammation                     | Minimal            |
| * Lymph Node, Mandibular |                                    | Histiocytic Sarcoma              |                    |
| * Lymph Node, Mesenteric |                                    | Histiocytic Sarcoma              |                    |
| Mesentery                | Fat                                | Necrosis                         | Marked             |
|                          | [ Necrosis TGLs = 2,3,5-10+11+13 ] |                                  |                    |
| * Nose                   | Glands                             | Metaplasia                       | Minimal            |
| * Pancreas               | Duct                               | Cyst                             | Marked             |
|                          | [ Cyst TGLs = 4-12 ]               |                                  |                    |
| * Pituitary Gland        | Pars Distalis                      | Hyperplasia                      | Minimal            |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Mild               |
|                          |                                    | Histiocytic Sarcoma              |                    |
|                          |                                    | Mineralization                   | Mild               |
| * Thymus                 |                                    | Hyperplasia                      | Lymphoid, Moderate |
| * Uterus                 | Endometrium                        | Hyperplasia                      | Cystic, Minimal    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Parathyroid Gland      | * Salivary Glands          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                      |  |                                  |                |
|----------------------|--|----------------------------------|----------------|
| * Adrenal Cortex     | Subcapsular                              | Hyperplasia                      | Minimal        |
| * Bone Marrow        |  | Hyperplasia                      | Minimal        |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal        |
| * Liver              |  | Eosinophilic Focus               |                |
|                      |  | Hepatocellular Carcinoma         |                |
|                      |  | Inflammation                     | Minimal        |
|                      |  | Mixed Cell Focus                 |                |
|                      |  | Vacuolization Cytoplasmic        | Moderate       |
|                      | [ Eosinophilic Focus TGLs = 3-12 ]       |                                  |                |
|                      | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                |
|                      | [ Mixed Cell Focus TGLs = 2-11 ]         |                                  |                |
| * Lung               | Alveolar Epith                           | Hyperplasia                      | Mild           |
|                      |  | Inflammation                     | Minimal        |
| Lymph Node           | Mediastinal                              | Hyperplasia                      | Lymphoid, Mild |
| * Pancreas           |  | Atrophy                          | Minimal        |
| * Pituitary Gland    | Pars Distalis                            | Hyperplasia                      | Minimal        |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate       |
|                      |  | Hyperplasia                      | Lymphoid, Mild |
| * Thymus             |  | Hyperplasia                      | Lymphoid, Mild |
| * Uterus             | Endometrium                              | Hyperplasia                      | Cystic, Mild   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Salivary Glands         | * Skin                      | * Thymus                 |
| * Thyroid Gland            | Tooth                     | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

OBSERVATIONS

|                        |  |                                  |                |
|------------------------|--|----------------------------------|----------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Mild           |
| * Kidney               |  | Nephropathy                      | Minimal        |
| * Liver                |  | Eosinophilic Focus               |                |
|                        |  | Hepatocellular Adenoma           | Multiple       |
|                        |  | Inflammation                     | Mild           |
|                        |  | Mixed Cell Focus                 |                |
|                        |  | Vacuolization Cytoplasmic        | Mild           |
|                        | [ Eosinophilic Focus TGLs = 3-12 ]                     |                                  |                |
|                        | [ Hepatocellular Adenoma TGLs = 1,,2,3,4-10+11+12+13 ] |                                  |                |
|                        | [ Mixed Cell Focus TGLs = 3-12 ]                       |                                  |                |
| * Nose                 | Olfactory Epi  | Accumulation, Hyaline Droplet    | Mild           |
|                        | Respirat Epith   | Hyperplasia                      | Minimal        |
|                        | Olfactory Epi  | Pigmentation                     | Minimal        |
| * Pituitary Gland      | Pars Distalis  | Hyperplasia                      | Mild           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate       |
|                        |  | Hyperplasia                      | Lymphoid, Mild |
| * Stomach, Forestomach |  | Squamous Cell Papilloma          |                |
|                        | [ Squamous Cell Papilloma TGLs = 5-14 ]                |                                  |                |
| * Stomach, Glandular   |  | Cyst                             | Minimal        |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   | * Pancreas                  |
| * Parathyroid Gland      | * Salivary Glands          | * Skin                    | Tooth                       |
| * Trachea                | * Urinary Bladder          |                           |                             |

OBSERVATIONS

|                      |  |                                  |          |
|----------------------|--|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                      | Mild     |
| * Bone               |  | Osteoporosis                     | Mild     |
| * Bone Marrow        |  | Hyperplasia                      | Mild     |
| * Heart              |  | Lymphoma Malignant               |          |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal  |
| * Liver              |  | Eosinophilic Focus               |          |
|                      |  | Hematopoietic Cell Proliferation | Minimal  |
|                      |  | Hepatocellular Adenoma           | Multiple |
|                      |  | Inflammation                     | Minimal  |
|                      |  | Lymphoma Malignant               |          |
|                      |  | Mixed Cell Focus                 |          |
|                      |  | Vacuolization Cytoplasmic        | Mild     |
|                      | [ Eosinophilic Focus TGLs = 1,3-10+12 ]          |                                  |          |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                                  |          |
|                      | [ Mixed Cell Focus TGLs = 1-10 ]                 |                                  |          |
| * Lung               |  | Lymphoma Malignant               |          |
| Lymph Node           | Renal  | Lymphoma Malignant               |          |
|                      | Mediastinal                                      | Lymphoma Malignant               |          |
|                      | [ Lymphoma Malignant TGLs = 6-13 ]               |                                  |          |
|                      | [ Lymphoma Malignant TGLs = 7-14 ]               |                                  |          |
| * Nose               | Respirat Epith                                   | Hyperplasia                      | Minimal  |
|                      |  | Inflammation                     | Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700394

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                                   |                                  |                   |
|------------------------|-----------------------------------|----------------------------------|-------------------|
| * Pituitary Gland      | Pars Distalis                     | Hyperplasia                      | Mild              |
| * Spleen               |                                   | Hematopoietic Cell Proliferation | Minimal           |
|                        |                                   | Lymphoma Malignant               |                   |
|                        | [ Lymphoma Malignant TGLs = 4-4 ] |                                  |                   |
| * Stomach, Forestomach | Epithelium                        | Hyperplasia                      | Minimal           |
| * Stomach, Glandular   | Epithelium                        | Hyperplasia                      | Mild              |
| * Thymus               |                                   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland        | Bilateral                         | Ultimobranchial Cyst             | Multiple          |
| * Uterus               | Endometrium                       | Hyperplasia                      | Cystic, Moderate  |
|                        |                                   | Inflammation                     | Mild              |
|                        | [ Hyperplasia TGLs = 5-7 ]        |                                  |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Stomach, Glandular      | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                      |  |                                  |                   |
|----------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                      | Mild              |
| * Bone Marrow        |  | Hyperplasia                      | Moderate          |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal           |
| * Kidney             |  | Nephropathy                      | Minimal           |
| * Liver              |  | Eosinophilic Focus               |                   |
|                      |  | Erythrophagocytosis              | Minimal           |
|                      |  | Hematopoietic Cell Proliferation | Minimal           |
|                      |  | Hepatocellular Adenoma           | Multiple          |
|                      |  | Inflammation                     | Minimal           |
|                      |  | Mixed Cell Focus                 |                   |
|                      |  | Vacuolization Cytoplasmic        | Mild              |
|                      | [ Eosinophilic Focus TGLs = 3,4-12+13 ]          |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,5-10+11+14 ] |                                  |                   |
|                      | [ Mixed Cell Focus TGLs = 2-11 ]                 |                                  |                   |
| * Nose               | Respirat Epith                                   | Hyperplasia                      | Minimal           |
|                      |  | Inflammation                     | Minimal           |
|                      | Glands   | Metaplasia                       | Minimal           |
| * Pancreas           |  | Infiltration Cellular            | Lymphoid, Minimal |
| * Pituitary Gland    | Pars Distalis                                    | Adenoma                          |                   |
|                      | [ Adenoma TGLs = 7-15 ]                          |                                  |                   |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate          |
|                      |  | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700395

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                |                |                   |
|------------------------|----------------|----------------|-------------------|
| * Stomach, Forestomach | Epithelium     | Hyperkeratosis | Minimal           |
|                        | Epithelium     | Hyperplasia    | Mild              |
| * Thymus               |                | Hyperplasia    | Lymphoid, Minimal |
| * Thyroid Gland        | Follicular Cel | Hypertrophy    | Moderate          |
| * Uterus               | Endometrium    | Hyperplasia    | Cystic, Marked    |

[ Hyperplasia TGLs = 6-7 ]

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 488

DOSE: 200 mg/kg

DISP: Natural Death

HISTO: 0700396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thymus                    | Tooth                    | * Trachea                  | * Urinary Bladder         |

OBSERVATIONS

|                      |             |                                  |              |
|----------------------|-------------|----------------------------------|--------------|
| * Adrenal Cortex     | Subcapsular | Hyperplasia                      | Mild         |
| * Bone Marrow        |             | Hyperplasia                      | Mild         |
| * Gallbladder        |             | Cyst                             | Mild         |
| * Islets, Pancreatic |             | Hyperplasia                      | Minimal      |
| * Liver              |             | Hypertrophy                      | Mild         |
|                      |             | Inflammation                     | Minimal      |
|                      |             | Vacuolization Cytoplasmic        | Mild         |
| * Pancreas           |             | Atrophy                          | Moderate     |
| * Spleen             |             | Hematopoietic Cell Proliferation | Moderate     |
| * Thyroid Gland      | Bilateral   | Ultimobranchial Cyst             |              |
| * Uterus             | Endometrium | Hyperplasia                      | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Pancreas Atrophy

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Mammary Gland          | * Pancreas                 | * Parathyroid Gland       |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

OBSERVATIONS

|                          |   |                           |                    |
|--------------------------|---|---------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                 | Hyperplasia               | Mild               |
| * Bone                   |   | Osteoporosis              | Minimal            |
| * Bone Marrow            |   | Hyperplasia               | Mild               |
| * Kidney                 |   | Mineralization            | Minimal            |
|                          |   | Nephropathy               | Minimal            |
| * Liver                  |   | Basophilic Focus          |                    |
|                          |   | Hepatocellular Adenoma    | Multiple           |
|                          |   | Hepatocellular Carcinoma  |                    |
|                          |   | Hypertrophy               | Mild               |
|                          |   | Inflammation              | Minimal            |
|                          |   | Mixed Cell Focus          |                    |
|                          |   | Vacuolization Cytoplasmic | Moderate           |
|                          | [ Hepatocellular Adenoma TGLs = 2,5-11+14 ] |                           |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ]    |                           |                    |
|                          | [ Mixed Cell Focus TGLs = 3,4-12+13 ]       |                           |                    |
| * Lung                   |   | Hepatocellular Carcinoma  | Metastatic (Liver) |
|                          |   | Mineralization            | Minimal            |
| * Lymph Node, Mesenteric |   | Hyperplasia               | Lymphoid, Minimal  |
| * Nose                   |   | Inflammation              | Minimal            |
|                          | Glands                                      | Metaplasia                | Minimal            |
| * Ovary                  |   | Cyst                      | Minimal            |
| * Pituitary Gland        |   | Angiectasis               | Moderate           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700397

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |               |                                  |                   |
|-----------------------------|---------------|----------------------------------|-------------------|
|                             | Pars Distalis | Hyperplasia                      | Moderate          |
| [ Hyperplasia TGLs = 6-15 ] |               |                                  |                   |
| * Spleen                    |               | Hematopoietic Cell Proliferation | Moderate          |
|                             |               | Hyperplasia                      | Lymphoid, Mild    |
| * Thymus                    |               | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus                    | Endometrium   | Hyperplasia                      | Cystic, Mild      |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Brain                  |
| * Esophagus                | * Eye                     | * Harderian Gland           | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Nose                    | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | Tooth                    |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                 | Hyperplasia                      | Mild              |
| * Bone Marrow            |   | Hyperplasia                      | Moderate          |
| * Clitoral Gland         |   | Inflammation                     | Moderate          |
|                          | [ Inflammation TGLs = 4-8 ]                 |                                  |                   |
| * Gallbladder            |   | Cyst                             | Minimal           |
| * Heart                  |   | Cardiomyopathy                   | Minimal           |
| * Kidney                 |   | Nephropathy                      | Minimal           |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Hematopoietic Cell Proliferation | Minimal           |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Hypertrophy                      | Mild              |
|                          |   | Inflammation                     | Minimal           |
|                          |   | Vacuolization Cytoplasmic        | Minimal           |
|                          |   |                                  |                   |
|                          | [ Eosinophilic Focus TGLs = 3-12 ]          |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Mild    |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate          |
|                          |   | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach   | Epithelium                                  | Hyperkeratosis                   | Minimal           |
|                          | Epithelium                                  | Hyperplasia                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     |
| * Pancreas               | * Salivary Glands          | * Skin                    | * Stomach, Glandular        |
| * Thyroid Gland          | Tooth                      | * Trachea                 | * Urinary Bladder           |
| * Uterus                 |                            |                           |                             |

OBSERVATIONS

|                        |                |  |                    |
|------------------------|----------------|--|--------------------|
| * Adrenal Cortex       | Subcapsular    | Hyperplasia                              | Minimal            |
| * Bone Marrow          |                | Hyperplasia                              | Mild               |
| * Clitoral Gland       |                | Inflammation                             | Mild               |
| * Gallbladder          |                | Cyst                                     | Mild               |
| * Kidney               |                | Mineralization                           | Minimal            |
|                        |                | Nephropathy                              | Minimal            |
| * Liver                |                | Clear Cell Focus                         |                    |
|                        |                | Eosinophilic Focus                       |                    |
|                        |                | Hepatocellular Adenoma                   | Multiple           |
|                        |                | Hepatocellular Carcinoma                 |                    |
|                        |                | Mixed Cell Focus                         |                    |
|                        |                | [ Eosinophilic Focus TGLs = 2,3-11+12 ]  |                    |
|                        |                | [ Hepatocellular Adenoma TGLs = 2-11 ]   |                    |
|                        |                | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                    |
| * Nose                 | Respirat Epith | Hyperplasia                              | Minimal            |
|                        |                | Inflammation                             | Minimal            |
| * Parathyroid Gland    |                | Hyperplasia                              | Minimal            |
| * Pituitary Gland      | Pars Distalis  | Hyperplasia                              | Minimal            |
| * Spleen               |                | Hematopoietic Cell Proliferation         | Moderate           |
|                        |                | Hyperplasia                              | Lymphoid, Moderate |
| * Stomach, Forestomach | Epithelium     | Hyperkeratosis                           | Mild               |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 297

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700399

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|          |            |                            |                        |
|----------|------------|----------------------------|------------------------|
| * Thymus | Epithelium | Hyperplasia<br>Hyperplasia | Mild<br>Lymphoid, Mild |
|----------|------------|----------------------------|------------------------|

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Brain                     | * Clitoral Gland         |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Glandular       | * Thyroid Gland           | Tooth                       | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

|                        |   |                           |                |
|------------------------|---|---------------------------|----------------|
| * Adrenal Cortex       | Subcapsular                                 | Hyperplasia               | Mild           |
| * Bone                 |   | Osteoporosis              | Minimal        |
| * Bone Marrow          |   | Hyperplasia               | Mild           |
| * Harderian Gland      |   | Adenoma                   |                |
| * Heart                |   | Cardiomyopathy            | Minimal        |
| * Liver                |   | Eosinophilic Focus        |                |
|                        |   | Hepatocellular Adenoma    | Multiple       |
|                        |   | Hypertrophy               | Mild           |
|                        |   | Inflammation              | Mild           |
|                        |   | Mixed Cell Focus          |                |
|                        |   | Vacuolization Cytoplasmic | Mild           |
|                        | [ Eosinophilic Focus TGLs = 2-11 ]          |                           |                |
|                        | [ Hepatocellular Adenoma TGLs = 1,3-10+12 ] |                           |                |
| * Nose                 | Respirat Epith                              | Hyperplasia               | Minimal        |
| * Ovary                |   | Cyst                      | Moderate       |
| * Spleen               |   | Hyperplasia               | Lymphoid, Mild |
| * Stomach, Forestomach | Epithelium                                  | Hyperkeratosis            | Minimal        |
|                        | Epithelium                                  | Hyperplasia               | Minimal        |
| * Thymus               |   | Hyperplasia               | Lymphoid, Mild |
| * Uterus               | Endometrium                                 | Hyperplasia               | Cystic, Mild   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Clitoral Gland         |
| * Esophagus                | * Eye                     | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Mammary Gland             | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Thymus                 |
| Tooth                      | * Trachea                 | * Urinary Bladder           |                          |

OBSERVATIONS

|                          |   |                                  |          |
|--------------------------|---|----------------------------------|----------|
| * Adrenal Cortex         | Subcapsular                             | Hyperplasia                      | Mild     |
| * Bone Marrow            |   | Hyperplasia                      | Moderate |
| * Brain                  |   | Gliosis                          | Minimal  |
| * Gallbladder            |   | Lymphoma Malignant               |          |
| * Harderian Gland        |   | Lymphoma Malignant               |          |
| * Kidney                 |   | Lymphoma Malignant               |          |
|                          | [ Lymphoma Malignant TGLs = 6-4 ]       |                                  |          |
| * Liver                  |   | Eosinophilic Focus               |          |
|                          |   | Hematopoietic Cell Proliferation | Minimal  |
|                          |   | Inflammation                     | Mild     |
|                          |   | Lymphoma Malignant               |          |
|                          | [ Eosinophilic Focus TGLs = 3-12 ]      |                                  |          |
|                          | [ Lymphoma Malignant TGLs = 1,2-10+11 ] |                                  |          |
| * Lung                   |   | Lymphoma Malignant               |          |
| * Lymph Node, Mandibular |   | Lymphoma Malignant               |          |
| * Lymph Node, Mesenteric |   | Lymphoma Malignant               |          |
| * Ovary                  |   | Lymphoma Malignant               |          |
| * Salivary Glands        |   | Lymphoma Malignant               |          |
| * Skin                   | Subcut Tiss                             | Sarcoma                          |          |
|                          | [ Sarcoma TGLs = 4-13 ]                 |                                  |          |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate |
|                          |   | Lymphoma Malignant               |          |
|                          | [ Lymphoma Malignant TGLs = 5-4 ]       |                                  |          |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 299

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 200 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700401

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                        |                |                    |                 |
|------------------------|----------------|--------------------|-----------------|
| * Stomach, Forestomach | Epithelium     | Hyperplasia        | Minimal         |
| * Stomach, Glandular   |                | Lymphoma Malignant |                 |
| * Thyroid Gland        | Follicular Cel | Hypertrophy        | Minimal         |
| * Uterus               | Endometrium    | Hyperplasia        | Cystic, Minimal |
|                        |                | Lymphoma Malignant |                 |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 200 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700402

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Pancreas                |
| * Parathyroid Gland         | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

**OBSERVATIONS**

- |                          |                |                                    |                   |
|--------------------------|----------------|------------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular    | Hyperplasia                        | Mild              |
| * Bone                   |                | Osteoporosis                       | Mild              |
| * Bone Marrow            |                | Hyperplasia                        | Mild              |
| * Kidney                 |                | Nephropathy                        | Mild              |
| * Liver                  | Bile Duct      | Cyst                               |                   |
|                          |                | Eosinophilic Focus                 |                   |
|                          |                | Inflammation                       | Mild              |
|                          |                | Vacuolization Cytoplasmic          | Minimal           |
|                          |                | [ Cyst TGLs = 1-10 ]               |                   |
|                          |                | [ Eosinophilic Focus TGLs = 2-11 ] |                   |
| * Lymph Node, Mandibular |                | Hyperplasia                        | Lymphoid, Mild    |
| * Nose                   | Respirat Epith | Hyperplasia                        | Minimal           |
| * Ovary                  |                | Cyst                               | Minimal           |
| * Pituitary Gland        | Pars Distalis  | Hyperplasia                        | Minimal           |
| * Spleen                 |                | Hematopoietic Cell Proliferation   | Moderate          |
|                          |                | Hyperplasia                        | Lymphoid, Minimal |
| * Stomach, Forestomach   | Epithelium     | Hyperplasia                        | Minimal           |
| * Thymus                 |                | Hyperplasia                        | Lymphoid, Mild    |
| * Uterus                 | Endometrium    | Hyperplasia                        | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Salivary Glands         | * Skin                      |
| * Stomach, Forestomach   | * Thymus                   | * Trachea                 | * Urinary Bladder           |
| * Uterus                 |                            |                           |                             |

OBSERVATIONS

|  |             |                                  |          |
|--|-------------|----------------------------------|----------|
| * Adrenal Cortex   | Subcapsular | Hyperplasia                      | Minimal  |
| * Bone   |             | Osteoporosis                     | Minimal  |
| * Bone Marrow  |             | Hyperplasia                      | Minimal  |
| * Heart  |             | Cardiomyopathy                   | Minimal  |
| * Kidney   |             | Nephropathy                      | Minimal  |
| * Liver  |             | Basophilic Focus                 |          |
|  |             | Eosinophilic Focus               |          |
|  |             | Erythrophagocytosis              | Minimal  |
|  |             | Hematopoietic Cell Proliferation | Minimal  |
|  |             | Hepatocellular Adenoma           | Multiple |
|  |             | Hepatocellular Carcinoma         | Multiple |
|  |             | Hypertrophy                      | Minimal  |
|  |             | Inflammation                     | Mild     |
|  |             | Tension Lipidosis                |          |
|  |             | Vacuolization Cytoplasmic        | Moderate |
| [ Eosinophilic Focus TGLs = 6-14 ]                       |             |                                  |          |
| [ Hepatocellular Adenoma TGLs = 1,2,5,6-10+11+12+14 ]    |             |                                  |          |
| [ Hepatocellular Carcinoma TGLs = 3,4,6-12+13+14 ]       |             |                                  |          |
| * Ovary  |             | Cyst                             | Marked   |
| Note: Cystic ovary contains contracted/mineralized clot. |             |                                  |          |
| [ Cyst TGLs = 7-7 ]                                      |             |                                  |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 301

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700403

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                      |                |                                  |                   |
|----------------------|----------------|----------------------------------|-------------------|
| * Pituitary Gland    | Pars Distalis  | Hyperplasia                      | Mild              |
| * Spleen             |                | Hematopoietic Cell Proliferation | Moderate          |
|                      |                | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Glandular |                | Cyst                             | Mild              |
| * Thyroid Gland      | Follicle       | Hyperplasia                      | Mild              |
|                      | Follicular Cel | Hypertrophy                      | Minimal           |
| Tooth                |                | Dysplasia                        |                   |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Brain                     | * Clitoral Gland         |
| * Esophagus                | * Eye                     | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Pancreas               |
| * Parathyroid Gland        | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | Tooth                       | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

|                   |  |                                  |          |
|-------------------|--|----------------------------------|----------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                      | Minimal  |
| * Bone            |  | Osteoporosis                     | Mild     |
| * Bone Marrow     |  | Hyperplasia                      | Mild     |
| * Harderian Gland |  | Adenoma                          |          |
| * Heart           |  | Cardiomyopathy                   | Minimal  |
| * Kidney          |  | Nephropathy                      | Minimal  |
| * Liver           |  | Basophilic Focus                 |          |
|                   |  | Eosinophilic Focus               |          |
|                   |  | Hepatocellular Adenoma           | Multiple |
|                   |  | Hypertrophy                      | Minimal  |
|                   |  | Inflammation                     | Minimal  |
|                   |  | Mixed Cell Focus                 |          |
|                   |  | Tension Lipidosis                |          |
|                   |  | Vacuolization Cytoplasmic        | Marked   |
|                   | [ Eosinophilic Focus TGLs = 4,6-13+15 ]                    |                                  |          |
|                   | [ Hepatocellular Adenoma TGLs = 1,2,3,5,6-10+11+12+14+15 ] |                                  |          |
|                   | [ Mixed Cell Focus TGLs = 4-13 ]                           |                                  |          |
| * Ovary           |  | Cyst                             | Minimal  |
| * Pituitary Gland | Pars Distalis  | Hyperplasia                      | Minimal  |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate |
| * Thyroid Gland   | Follicular Cel   | Hypertrophy                      | Minimal  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Mammary Gland           | * Parathyroid Gland         | * Pituitary Gland        | * Skin                     |
| * Stomach, Glandular      | * Thyroid Gland             | Tooth                    | * Trachea                  |

OBSERVATIONS

|                          |  |                               |          |
|--------------------------|--|-------------------------------|----------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                   | Mild     |
| * Harderian Gland        |  | Lymphoma Malignant            |          |
| * Islets, Pancreatic     |  | Hyperplasia                   | Minimal  |
| * Kidney                 |  | Lymphoma Malignant            |          |
| * Liver                  |  | Eosinophilic Focus            |          |
|                          |  | Erythrophagocytosis           | Minimal  |
|                          |  | Fatty Change                  | Focal    |
|                          |  | Hepatocellular Adenoma        | Multiple |
|                          |  | Hypertrophy                   | Minimal  |
|                          |  | Inflammation                  | Minimal  |
|                          |  | Lymphoma Malignant            |          |
|                          |  | Mixed Cell Focus              |          |
|                          |  | Vacuolization Cytoplasmic     | Moderate |
|                          | [ Eosinophilic Focus TGLs = 6-15 ]                         |                               |          |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                               |          |
| * Lung                   |  | Lymphoma Malignant            |          |
| * Lymph Node, Mandibular |  | Lymphoma Malignant            |          |
| * Lymph Node, Mesenteric |  | Lymphoma Malignant            |          |
| * Nose                   | Olfactory Epi  | Accumulation, Hyaline Droplet | Mild     |
|                          | Respirat Epith   | Hyperplasia                   | Minimal  |
|                          | Olfactory Epi  | Pigmentation                  | Mild     |
| * Ovary                  |  | Lymphoma Malignant            |          |
|                          |  | Teratoma Benign               |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700405

ORGAN AND ACCOUNTABLE SITE STATUS

[ Teratoma Benign TGLs = 7-7 ]

|                        |            |                                  |                   |
|------------------------|------------|----------------------------------|-------------------|
| * Pancreas             |            | Lymphoma Malignant               |                   |
| * Salivary Glands      |            | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen               |            | Hematopoietic Cell Proliferation | Moderate          |
|                        |            | Lymphoma Malignant               |                   |
| * Stomach, Forestomach | Epithelium | Hyperkeratosis                   | Mild              |
|                        | Epithelium | Hyperplasia                      | Moderate          |
|                        |            | Inflammation                     | Mild              |

[ Hyperplasia TGLs = 8-16 ]

|                   |             |                    |                  |
|-------------------|-------------|--------------------|------------------|
| * Thymus          |             | Lymphoma Malignant |                  |
| * Urinary Bladder |             | Lymphoma Malignant |                  |
| * Uterus          | Endometrium | Hyperplasia        | Cystic, Moderate |
|                   |             | Lymphoma Malignant |                  |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          | * Trachea                  |
| * Urinary Bladder         | * Uterus                    |                          |                            |

MISSING

\* Thymus

OBSERVATIONS

|                      |  |                                  |          |
|----------------------|--|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                            | Hyperplasia                      | Minimal  |
| * Bone Marrow        |  | Hyperplasia                      | Minimal  |
| * Islets, Pancreatic |  | Hyperplasia                      | Mild     |
| * Liver              |  | Hepatocellular Adenoma           | Multiple |
|                      |  | Inflammation                     | Minimal  |
|                      |  | Mixed Cell Focus                 |          |
|                      |  | Tension Lipidosis                |          |
|                      |  | Vacuolization Cytoplasmic        | Moderate |
|                      | [ Hepatocellular Adenoma TGLs = 1-10 ] |                                  |          |
| * Nose               | Respirat Epith                         | Hyperplasia                      | Minimal  |
|                      | Olfactory Epi                          | Pigmentation                     | Mild     |
| * Ovary              |  | Cyst                             | Minimal  |
| * Pancreas           |  | Atrophy                          | Moderate |
| * Pituitary Gland    | Pars Distalis                          | Hyperplasia                      | Minimal  |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate |
| Tooth                |  | Dysplasia                        |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   |
| * Pancreas                  | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thyroid Gland          | Tooth                      | * Trachea                 |

MISSING

|               |                     |
|---------------|---------------------|
| * Gallbladder | * Parathyroid Gland |
|---------------|---------------------|

OBSERVATIONS

|                          |  |                               |                   |
|--------------------------|--|-------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                   | Minimal           |
| * Bone Marrow            |  | Hyperplasia                   | Minimal           |
| * Kidney                 |  | Cyst                          | Minimal           |
|                          |  | Mineralization                | Minimal           |
| * Liver                  |  | Eosinophilic Focus            |                   |
|                          |  | Erythrophagocytosis           | Minimal           |
|                          |  | Fatty Change                  | Focal             |
|                          |  | Hepatocellular Adenoma        | Multiple          |
|                          |  | Hypertrophy                   | Moderate          |
|                          |  | Inflammation                  | Minimal           |
|                          |  | Mixed Cell Focus              |                   |
|                          |  | Vacuolization Cytoplasmic     | Moderate          |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                               |                   |
|                          | [ Mixed Cell Focus TGLs = 4-13 ]                 |                               |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                   | Lymphoid, Minimal |
| * Nose                   | Olfactory Epi                                    | Accumulation, Hyaline Droplet | Mild              |
|                          | Respirat Epith                                   | Hyperplasia                   | Minimal           |
|                          | Glands   | Metaplasia                    | Minimal           |
|                          | Olfactory Epi                                    | Pigmentation                  | Mild              |
| * Pituitary Gland        | Pars Distalis                                    | Hyperplasia                   | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700407

ORGAN AND ACCOUNTABLE SITE STATUS

|                   |             |                                  |                   |
|-------------------|-------------|----------------------------------|-------------------|
| * Spleen          |             | Hematopoietic Cell Proliferation | Moderate          |
|                   |             | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus          |             | Hyperplasia                      | Lymphoid, Minimal |
| * Urinary Bladder |             | Infiltration Cellular            | Lymphoid, Minimal |
| * Uterus          | Endometrium | Hyperplasia                      | Cystic, Minimal   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Pancreas                  | * Parathyroid Gland      | * Salivary Glands          | * Skin                    |
| * Stomach, Glandular        | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

|                        |   |                                  |                   |
|------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular                                     | Hyperplasia                      | Mild              |
| * Bone                 |   | Osteoporosis                     | Minimal           |
| * Bone Marrow          |   | Hyperplasia                      | Minimal           |
| * Kidney               |   | Nephropathy                      | Minimal           |
| * Liver                |   | Eosinophilic Focus               |                   |
|                        |   | Hepatocellular Adenoma           |                   |
|                        |   | Hypertrophy                      | Minimal           |
|                        |   | Inflammation                     | Minimal           |
|                        |   | Vacuolization Cytoplasmic        | Marked            |
|                        | [ Eosinophilic Focus TGLs = 2-10 ]              |                                  |                   |
|                        | [ Hepatocellular Adenoma TGLs = 2-10 ]          |                                  |                   |
|                        | [ Vacuolization Cytoplasmic TGLs = 1-3+4+5+10 ] |                                  |                   |
| * Nose                 | Respirat Epith                                  | Hyperplasia                      | Minimal           |
| * Ovary                |   | Cyst                             | Mild              |
| * Pituitary Gland      | Pars Distalis                                   | Hyperplasia                      | Minimal           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate          |
|                        |   | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium                                      | Hyperplasia                      | Minimal           |
| * Thyroid Gland        |   | Ultimobranchial Cyst             | Multiple          |
| * Uterus               | Endometrium                                     | Hyperplasia                      | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | Tooth                       | * Trachea                | * Uterus                   |

OBSERVATIONS

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                            | Hyperplasia                      | Mild              |
| * Harderian Gland |  | Hyperplasia                      | Minimal           |
| * Kidney          |  | Infarct                          | Minimal           |
|                   |  | Nephropathy                      | Minimal           |
| * Liver           |  | Eosinophilic Focus               |                   |
|                   |  | Hepatocellular Adenoma           | Multiple          |
|                   |  | Hypertrophy                      | Moderate          |
|                   |  | Inflammation                     | Minimal           |
|                   |  | Mixed Cell Focus                 |                   |
|                   |  | Vacuolization Cytoplasmic        | Moderate          |
|                   | [ Eosinophilic Focus TGLs = 2-11 ]     |                                  |                   |
|                   | [ Hepatocellular Adenoma TGLs = 1-10 ] |                                  |                   |
|                   | [ Mixed Cell Focus TGLs = 2-11 ]       |                                  |                   |
| * Nose            |  | Inflammation                     | Minimal           |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus          |  | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland   |  | Ultimobranchial Cyst             |                   |
| * Urinary Bladder |  | Infiltration Cellular            | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          | * Uterus                  |

OBSERVATIONS

|                  |   |                                  |                   |
|------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                               | Hyperplasia                      | Mild              |
| * Bone           |   | Osteoporosis                     | Minimal           |
| * Bone Marrow    |   | Hyperplasia                      | Minimal           |
| * Liver          |   | Eosinophilic Focus               |                   |
|                  |   | Hematopoietic Cell Proliferation | Minimal           |
|                  |   | Hepatocellular Adenoma           | Multiple          |
|                  |   | Hypertrophy                      | Minimal           |
|                  |   | Inflammation                     | Minimal           |
|                  |   | Mixed Cell Focus                 |                   |
|                  |   | Vacuolization Cytoplasmic        | Moderate          |
|                  | [ Eosinophilic Focus TGLs = 1-10+11 ]     |                                  |                   |
|                  | [ Hepatocellular Adenoma TGLs = 1-10+11 ] |                                  |                   |
|                  | [ Mixed Cell Focus TGLs = 1-10 ]          |                                  |                   |
| * Nose           | Respirat Epith                            | Hyperplasia                      | Minimal           |
| * Ovary          |   | Cyst                             | Mild              |
| * Pancreas       |   | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen         |   | Hematopoietic Cell Proliferation | Moderate          |
| * Thyroid Gland  | Follicular Cel                            | Hypertrophy                      | Minimal           |
|                  |   | Ultimobranchial Cyst             | Multiple          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                  |   |                                  |                    |
|------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex | Subcapsular                             | Hyperplasia                      | Minimal            |
| * Bone Marrow    |   | Hyperplasia                      | Minimal            |
| * Kidney         |   | Lymphoma Malignant               |                    |
| * Liver          |   | Eosinophilic Focus               |                    |
|                  |   | Hypertrophy                      | Moderate           |
|                  |   | Inflammation                     | Minimal            |
|                  |   | Lymphoma Malignant               |                    |
|                  |   | Vacuolization Cytoplasmic        | Moderate           |
|                  | [ Eosinophilic Focus TGLs = 1-10 ]      |                                  |                    |
|                  | [ Lymphoma Malignant TGLs = 1,2-10+11 ] |                                  |                    |
| Lymph Node       | Bronchial                               | Hyperplasia                      | Lymphoid, Moderate |
| * Nose           | Respirat Epith                          | Hyperplasia                      | Minimal            |
| * Spleen         |   | Hematopoietic Cell Proliferation | Mild               |
|                  |   | Lymphoma Malignant               |                    |
| * Thymus         |   | Hyperplasia                      | Lymphoid, Mild     |
| * Thyroid Gland  |   | Ultimobranchial Cyst             | Multiple           |
| * Uterus         | Endometrium                             | Hyperplasia                      | Cystic, Minimal    |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 310

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700412

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

**OBSERVATIONS**

|                  |   |                                  |                   |
|------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                             | Hyperplasia                      | Minimal           |
| * Bone           |   | Osteoporosis                     | Mild              |
| * Bone Marrow    |   | Hyperplasia                      | Minimal           |
| * Kidney         |   | Mineralization                   | Minimal           |
| * Liver          | Bile Duct                               | Cyst                             |                   |
|                  |   | Eosinophilic Focus               |                   |
|                  |   | Hypertrophy                      | Moderate          |
|                  |   | Inflammation                     | Minimal           |
|                  |   | Vacuolization Cytoplasmic        | Mild              |
|                  | [ Cyst TGLs = 1-10 ]                    |                                  |                   |
|                  | [ Eosinophilic Focus TGLs = 2,3-11+12 ] |                                  |                   |
| * Ovary          |   | Cyst                             | Minimal           |
| * Spleen         |   | Hematopoietic Cell Proliferation | Mild              |
|                  |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus         |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland  |   | Ultimobranchial Cyst             | Multiple          |
| * Uterus         | Endometrium                             | Hyperplasia                      | Cystic, Minimal   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Pancreas                  | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| * Thymus                    | * Thyroid Gland          | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

|                     |   |                                  |                    |
|---------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex    | Subcapsular                                 | Hyperplasia                      | Minimal            |
| * Bone Marrow       |   | Hyperplasia                      | Moderate           |
| * Heart             |   | Mineralization                   | Minimal            |
| * Kidney            |   | Nephropathy                      | Mild               |
|                     |   | Pigmentation                     | Mild               |
| * Liver             |   | Clear Cell Focus                 |                    |
|                     |   | Eosinophilic Focus               |                    |
|                     |   | Hematopoietic Cell Proliferation | Minimal            |
|                     |   | Hepatoblastoma                   |                    |
|                     |   | Hepatocellular Adenoma           | Multiple           |
|                     |   | Hypertrophy                      | Mild               |
|                     |   | Inflammation                     | Minimal            |
|                     |   | Necrosis                         | Mild               |
|                     |   | Vacuolization Cytoplasmic        | Minimal            |
|                     | [ Eosinophilic Focus TGLs = 3-12 ]          |                                  |                    |
|                     | [ Hepatoblastoma TGLs = 2-11 ]              |                                  |                    |
|                     | [ Hepatocellular Adenoma TGLs = 1,4-10+13 ] |                                  |                    |
|                     | [ Necrosis TGLs = 3-12 ]                    |                                  |                    |
| * Lung              |   | Hepatoblastoma                   | Metastatic (Liver) |
| * Ovary             |   | Cyst                             | Mild               |
| * Parathyroid Gland |   | Hyperplasia                      | Mild               |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700413

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |               |                                  |              |
|------------------------|---------------|----------------------------------|--------------|
| * Pituitary Gland      | Pars Distalis | Hyperplasia                      | Minimal      |
| * Spleen               |               | Hematopoietic Cell Proliferation | Marked       |
| * Stomach, Forestomach | Epithelium    | Hyperkeratosis                   | Minimal      |
|                        | Epithelium    | Hyperplasia                      | Mild         |
|                        |               | Inflammation                     | Minimal      |
| * Uterus               | Endometrium   | Hyperplasia                      | Cystic, Mild |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700414

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Clitoral Gland         | * Esophagus                |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| Tooth                     | * Trachea                   |                          |                            |

**MISSING**

|                     |                   |                   |                          |
|---------------------|-------------------|-------------------|--------------------------|
| * Brain             | * Eye             | * Harderian Gland | * Lymph Node, Mandibular |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Thyroid Gland          |

**OBSERVATIONS**

|                          |  |                           |          |
|--------------------------|--|---------------------------|----------|
| * Adrenal Cortex         | Subcapsular                            | Hyperplasia               | Mild     |
| * Bone                   |  | Osteoporosis              | Minimal  |
| * Bone Marrow            |  | Hyperplasia               | Moderate |
| * Kidney                 |  | Lymphoma Malignant        |          |
| * Liver                  |  | Hepatocellular Adenoma    | Multiple |
|                          |  | Lymphoma Malignant        |          |
|                          |  | Mixed Cell Focus          |          |
|                          |  | Vacuolization Cytoplasmic | Minimal  |
|                          | [ Hepatocellular Adenoma TGLs = 2-10 ] |                           |          |
|                          | [ Mixed Cell Focus TGLs = 3-11 ]       |                           |          |
| * Lung                   |  | Lymphoma Malignant        |          |
| Lymph Node               | Inguinal                               | Lymphoma Malignant        |          |
|                          | Renal                                  | Lymphoma Malignant        |          |
|                          | Lumbar                                 | Lymphoma Malignant        |          |
|                          | Pancreatic                             | Lymphoma Malignant        |          |
|                          | [ Lymphoma Malignant TGLs = 6-13 ]     |                           |          |
|                          | [ Lymphoma Malignant TGLs = 7-14 ]     |                           |          |
|                          | [ Lymphoma Malignant TGLs = 8-15 ]     |                           |          |
| * Lymph Node, Mesenteric |  | Lymphoma Malignant        |          |
|                          | [ Lymphoma Malignant TGLs = 5-5 ]      |                           |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700414

ORGAN AND ACCOUNTABLE SITE STATUS

|                   |  |  |                 |
|-------------------|--|--|-----------------|
| * Spleen          |  | Hematopoietic Cell Proliferation<br>Lymphoma Malignant | Moderate        |
|                   | [ Hematopoietic Cell Proliferation TGLs = 1-4 ]<br>[ Lymphoma Malignant TGLs = 1-4 ] |  |                 |
| * Thymus          |  | Lymphoma Malignant                                     |                 |
|                   | [ Lymphoma Malignant TGLs = 4-12 ]   |  |                 |
| * Urinary Bladder |  | Lymphoma Malignant                                     |                 |
| * Uterus          | Endometrium  | Hyperplasia  | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Thymus Lymphoma Malignant

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone Marrow              | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nose                   | * Pancreas                 | * Salivary Glands         |
| * Skin                      | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|                        |   |                                  |                   |
|------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone                 |   | Osteoporosis                     | Minimal           |
| * Heart                |   | Cardiomyopathy                   | Minimal           |
| * Liver                |   | Eosinophilic Focus               |                   |
|                        |   | Hepatocellular Adenoma           | Multiple          |
|                        |   | Hypertrophy                      | Minimal           |
|                        |   | Inflammation                     | Minimal           |
|                        |   | Mixed Cell Focus                 |                   |
|                        |   | Tension Lipidosis                |                   |
|                        |   | Vacuolization Cytoplasmic        | Moderate          |
|                        | [ Hepatocellular Adenoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                   |
|                        | [ Mixed Cell Focus TGLs = 5,6-14+15 ]                 |                                  |                   |
| * Ovary                |   | Cyst                             | Marked            |
|                        | [ Cyst TGLs = 7-7 ]                                   |                                  |                   |
| * Pituitary Gland      | Pars Distalis   | Hyperplasia                      | Minimal           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Mild              |
|                        |   | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis                   | Mild              |
|                        | Epithelium  | Hyperplasia                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 313

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700415

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                      |                |              |                  |
|----------------------|----------------|--------------|------------------|
| * Stomach, Glandular |                | Inflammation | Minimal          |
| * Thyroid Gland      | Follicular Cel | Hypertrophy  | Minimal          |
| * Uterus             | Endometrium    | Hyperplasia  | Cystic, Moderate |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700416

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Nose                   | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Stomach, Forestomach   | * Stomach, Glandular       | * Thyroid Gland           |
| Tooth                       | * Trachea                | * Urinary Bladder          | * Uterus                  |

**MISSING**

\* Ovary

**OBSERVATIONS**

|                          |   |                                  |                    |
|--------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex         |   | Hematopoietic Cell Proliferation | Mild               |
|                          | Subcapsular                                   | Hyperplasia                      | Mild               |
| * Bone Marrow            |   | Hyperplasia                      | Marked             |
| * Heart                  |   | Cardiomyopathy                   | Minimal            |
| * Kidney                 |   | Inflammation                     | Moderate           |
|                          |   | Nephropathy                      | Minimal            |
| * Liver                  |   | Eosinophilic Focus               |                    |
|                          |   | Hematopoietic Cell Proliferation | Moderate           |
|                          |   | Hepatocellular Adenoma           | Multiple           |
|                          |   | Hepatocellular Carcinoma         | Multiple           |
|                          |   | Inflammation                     | Moderate           |
|                          | [ Hepatocellular Adenoma TGLs = 8,9-16+17 ]   |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 6,7-14+15 ] |                                  |                    |
| Lymph Node               | Pancreatic                                    | Hyperplasia                      | Lymphoid, Moderate |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Moderate |
| * Lymph Node, Mesenteric |   | Hyperplasia                      | Lymphoid, Mild     |
| * Mammary Gland          |   | Inflammation                     | Mild               |
| Mesentery                |   | Inflammation                     | Moderate           |
|                          | Fat   | Necrosis                         | Marked             |
|                          | [ Necrosis TGLs = 3,4-12+13 ]                 |                                  |                    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 718

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700416

ORGAN AND ACCOUNTABLE SITE STATUS

|            |                              |                                  |                    |
|------------|------------------------------|----------------------------------|--------------------|
| * Pancreas |                              | Atrophy                          | Marked             |
|            | Duct                         | Cyst                             | Moderate           |
|            | Acinus                       | Hyperplasia                      | Mild               |
|            | [ Cyst TGLs = 2-11 ]         |                                  |                    |
| * Skin     | Dermis                       | Inflammation                     | Marked             |
|            | [ Inflammation TGLs = 1-10 ] |                                  |                    |
| * Spleen   | Lymph Follic                 | Atrophy                          | Marked             |
|            |                              | Hematopoietic Cell Proliferation | Moderate           |
|            | [ Atrophy TGLs = 5-4 ]       |                                  |                    |
| * Thymus   |                              | Hyperplasia                      | Lymphoid, Moderate |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                                      | Hyperplasia                      | Mild              |
| * Bone           |  | Osteoporosis                     | Minimal           |
| * Bone Marrow    |  | Hyperplasia                      | Moderate          |
| * Kidney         |  | Nephropathy                      | Minimal           |
| * Liver          |  | Eosinophilic Focus               |                   |
|                  |  | Hepatocellular Adenoma           | Multiple          |
|                  |  | Hepatocellular Carcinoma         | Multiple          |
|                  |  | Hypertrophy                      | Moderate          |
|                  |  | Inflammation                     | Mild              |
|                  |  | Mixed Cell Focus                 |                   |
|                  |  | Vacuolization Cytoplasmic        | Moderate          |
|                  | [ Eosinophilic Focus TGLs = 4,5-13+14 ]          |                                  |                   |
|                  | [ Hepatocellular Adenoma TGLs = 2,3,6-11+12+15 ] |                                  |                   |
|                  | [ Hepatocellular Carcinoma TGLs = 1-10 ]         |                                  |                   |
| * Nose           | Olfactory Epi                                    | Accumulation, Hyaline Droplet    | Minimal           |
|                  | Olfactory Epi                                    | Atrophy                          | Mild              |
|                  | Respirat Epith                                   | Hyperplasia                      | Minimal           |
|                  | Glands   | Metaplasia                       | Mild              |
|                  | Olfactory Epi                                    | Pigmentation                     | Minimal           |
| * Spleen         |  | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus         |  | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

---

**ANIMAL ID:** 315

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700417

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

[ Hyperplasia TGLs = 7-7 ]

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | Tooth                     |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                           |

OBSERVATIONS

|                          |   |                                  |                  |
|--------------------------|---|----------------------------------|------------------|
| * Adrenal Cortex         | Subcapsular                                 | Hyperplasia                      | Mild             |
| * Bone Marrow            |   | Hyperplasia                      | Minimal          |
| * Heart                  |   | Cardiomyopathy                   | Minimal          |
| * Kidney                 |   | Metaplasia                       | Osseous, Minimal |
|                          |   | Nephropathy                      | Mild             |
| * Liver                  |   | Eosinophilic Focus               |                  |
|                          |   | Hepatocellular Adenoma           | Multiple         |
|                          |   | Hepatocellular Carcinoma         |                  |
|                          |   | Hypertrophy                      | Moderate         |
|                          |   | Inflammation                     | Mild             |
|                          |   | Vacuolization Cytoplasmic        | Moderate         |
|                          | [ Eosinophilic Focus TGLs = 4-12 ]          |                                  |                  |
|                          | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |                                  |                  |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ]    |                                  |                  |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Mild   |
| Mesentery                | Fat   | Necrosis                         | Moderate         |
|                          | [ Necrosis TGLs = 5-13 ]                    |                                  |                  |
| * Nose                   | Olfactory Epi                               | Accumulation, Hyaline Droplet    | Minimal          |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Mild             |
|                          |   | Hyperplasia                      | Lymphoid, Mild   |
| * Thymus                 |   | Hyperplasia                      | Lymphoid, Mild   |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 316

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700418

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

C Cell

Hyperplasia

Minimal

---

Animal Note: TGLs 3-11 = NCL

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Salivary Glands          |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

|                     |  |                           |                    |
|---------------------|--|---------------------------|--------------------|
| * Adrenal Cortex    | Subcapsular                                      | Hyperplasia               | Minimal            |
| * Bone Marrow       |  | Hyperplasia               | Moderate           |
| * Kidney            |  | Cyst                      | Minimal            |
| * Liver             |  | Eosinophilic Focus        |                    |
|                     |  | Hepatoblastoma            |                    |
|                     |  | Hepatocellular Adenoma    | Multiple           |
|                     |  | Hepatocellular Carcinoma  |                    |
|                     |  | Hypertrophy               | Minimal            |
|                     |  | Inflammation              | Minimal            |
|                     |  | Tension Lipidosis         |                    |
|                     |  | Vacuolization Cytoplasmic | Minimal            |
|                     | [ Hepatoblastoma TGLs = 4-14 ]                   |                           |                    |
|                     | [ Hepatocellular Adenoma TGLs = 1,2,3-10+12+13 ] |                           |                    |
|                     | [ Hepatocellular Carcinoma TGLs = 5-15 ]         |                           |                    |
| Lymph Node          | Renal  | Ectasia                   | Marked             |
|                     | [ Ectasia TGLs = 8-16 ]                          |                           |                    |
| * Nose              | Respirat Epith<br>Glands                         | Hyperplasia<br>Metaplasia | Minimal<br>Minimal |
| * Parathyroid Gland |  | Infiltration Cellular     | Lymphoid, Mild     |
| * Pituitary Gland   | Pars Distalis                                    | Hyperplasia               | Minimal            |
| * Skin              | Tail   | Fibrous Histiocytoma      |                    |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700419

ORGAN AND ACCOUNTABLE SITE STATUS

[ Fibrous Histiocytoma TGLs = 6-11 ]

\* Spleen

Hematopoietic Cell Proliferation

Moderate

\* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

Inflammation

Moderate

[ Hyperplasia TGLs = 7-7 ]

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 7

DOSE: 600 mg/kg

DISP: Dosing Accident

HISTO: 0700420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex            | * Adrenal Medulla        | Blood Vessel               | * Bone                    |
| * Brain                     | * Clitoral Gland         | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Liver                  | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nose                   | * Ovary                    | * Pancreas                |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thyroid Gland          | Tooth                      | * Trachea                 |
| * Urinary Bladder           | * Uterus                 |                            |                           |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|   |            |                                  |          |
|---|------------|----------------------------------|----------|
| * Bone Marrow   |            | Hyperplasia                      | Moderate |
| * Esophagus   |            | Inflammation                     | Moderate |
| Note: Plant material (food) present.<br>[ Inflammation TGLs = 1-10 ]                    |            |                                  |          |
| * Heart   | Epicardium | Inflammation                     | Minimal  |
|   |            | Mineralization                   | Mild     |
| * Lung  | Pleura     | Inflammation                     | Mild     |
| Note: Plant material (food) present.<br>Note: Inflammation secondary to gavage accident |            |                                  |          |
| * Spleen  |            | Hematopoietic Cell Proliferation | Moderate |
| * Thymus  |            | Inflammation                     | Moderate |
| Note: Plant material (food) present.  |            |                                  |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Thymus                    |
| Tooth                    | * Trachea                  | * Urinary Bladder         |                             |

OBSERVATIONS

|                   |   |                                  |                 |
|-------------------|---|----------------------------------|-----------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Minimal         |
| * Bone            |   | Osteoporosis                     | Minimal         |
| * Bone Marrow     |   | Hyperplasia                      | Minimal         |
| * Harderian Gland |   | Adenoma                          |                 |
|                   | [ Adenoma TGLs = 6-9 ]                                |                                  |                 |
| * Kidney          |   | Nephropathy                      | Minimal         |
| * Liver           |   | Eosinophilic Focus               |                 |
|                   |   | Hepatocellular Adenoma           | Multiple        |
|                   |   | Inflammation                     | Minimal         |
|                   |   | Mixed Cell Focus                 |                 |
|                   | [ Eosinophilic Focus TGLs = 5-14 ]                    |                                  |                 |
|                   | [ Hepatocellular Adenoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                 |
|                   | [ Mixed Cell Focus TGLs = 5-14 ]                      |                                  |                 |
| * Nose            | Olfactory Epi   | Accumulation, Hyaline Droplet    | Minimal         |
| * Spleen          |   | Hematopoietic Cell Proliferation | Moderate        |
|                   |   | Hyperplasia                      | Lymphoid, Mild  |
| * Thyroid Gland   |   | Ultimobranchial Cyst             | Multiple        |
| * Uterus          | Endometrium   | Hyperplasia                      | Cystic, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700422

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

**OBSERVATIONS**

|                   |  |                                  |              |
|-------------------|--|----------------------------------|--------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                      | Minimal      |
| * Bone            |  | Osteoporosis                     | Minimal      |
| * Liver           |  | Eosinophilic Focus               |              |
|                   |  | Hepatoblastoma                   |              |
|                   |  | Hepatocellular Adenoma           | Multiple     |
|                   |  | Hepatocellular Carcinoma         | Multiple     |
|                   |  | Hypertrophy                      | Mild         |
|                   |  | Inflammation                     | Minimal      |
|                   |  | Mixed Cell Focus                 |              |
|                   |  | Vacuolization Cytoplasmic        | Minimal      |
|                   | [ Eosinophilic Focus TGLs = 6-15 ]                 |                                  |              |
|                   | [ Hepatoblastoma TGLs = 1-11 ]                     |                                  |              |
|                   | [ Hepatocellular Adenoma TGLs = 3,5,6-12+14+15 ]   |                                  |              |
|                   | [ Hepatocellular Carcinoma TGLs = 2,3,4-10+12+13 ] |                                  |              |
| * Lung            |  | Inflammation                     | Minimal      |
| * Pituitary Gland | Pars Distalis                                      | Adenoma                          |              |
|                   | [ Adenoma TGLs = 7-6 ]                             |                                  |              |
| * Spleen          |  | Hematopoietic Cell Proliferation | Moderate     |
| * Uterus          | Endometrium  | Hyperplasia                      | Cystic, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Mammary Gland          | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        | * Uterus                   |

OBSERVATIONS

|                          |  |                                  |          |
|--------------------------|--|----------------------------------|----------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Minimal  |
| * Bone Marrow            |  | Hyperplasia                      | Moderate |
| * Kidney                 |  | Lymphoma Malignant               |          |
|                          |  | Nephropathy                      | Minimal  |
| * Liver                  |  | Eosinophilic Focus               |          |
|                          |  | Hematopoietic Cell Proliferation | Minimal  |
|                          |  | Hepatoblastoma                   |          |
|                          |  | Hepatocellular Adenoma           | Multiple |
|                          |  | Hepatocellular Carcinoma         |          |
|                          |  | Inflammation                     | Minimal  |
|                          |  | Lymphoma Malignant               |          |
|                          |  | Necrosis                         | Minimal  |
|                          |  | Vacuolization Cytoplasmic        | Minimal  |
|                          | [ Hepatoblastoma TGLs = 1-10 ]                     |                                  |          |
|                          | [ Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13 ] |                                  |          |
| Lymph Node               | Renal  | Lymphoma Malignant               |          |
|                          | Mediastinal  | Lymphoma Malignant               |          |
|                          | [ Lymphoma Malignant TGLs = 9-16 ]                 |                                  |          |
|                          | [ Lymphoma Malignant TGLs = 10-17 ]                |                                  |          |
| * Lymph Node, Mandibular |  | Lymphoma Malignant               |          |
|                          | [ Lymphoma Malignant TGLs = 8-15 ]                 |                                  |          |
| * Lymph Node, Mesenteric |  | Lymphoma Malignant               |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700423

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                                    |                                  |          |
|------------------------|------------------------------------|----------------------------------|----------|
| * Nose                 | Olfactory Epi                      | Accumulation, Hyaline Droplet    | Minimal  |
|                        | Respirat Epith                     | Hyperplasia                      | Minimal  |
| * Ovary                |                                    | Cyst                             | Minimal  |
|                        |                                    | Cystadenoma                      |          |
| * Pancreas             |                                    | Lymphoma Malignant               |          |
| * Spleen               |                                    | Hematopoietic Cell Proliferation | Moderate |
|                        |                                    | Lymphoma Malignant               |          |
|                        |                                    | Necrosis                         | Moderate |
|                        | [ Lymphoma Malignant TGLs = 6-14 ] |                                  |          |
|                        | [ Necrosis TGLs = 7-14 ]           |                                  |          |
| * Stomach, Forestomach | Epithelium                         | Hyperplasia                      | Minimal  |
| * Stomach, Glandular   | Epithelium                         | Hyperplasia                      | Minimal  |
| * Thymus               |                                    | Lymphoma Malignant               |          |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 557

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                     | Hyperplasia                      | Mild              |
|                          |   | Infiltration Cellular            | Lymphoid, Mild    |
| * Bone Marrow            |   | Hyperplasia                      | Moderate          |
| * Kidney                 |   | Pigmentation                     | Mild              |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Hematopoietic Cell Proliferation | Minimal           |
|                          |   | Hypertrophy                      | Minimal           |
|                          |   | Inflammation                     | Minimal           |
|                          |   | Necrosis                         | Mild              |
|                          |   | Vacuolization Cytoplasmic        | Moderate          |
|                          | [ Vacuolization Cytoplasmic TGLs = 2-3+4+5+11 ] |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Respirat Epith                                  | Hyperplasia                      | Minimal           |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Marked            |
| * Uterus                 |   | Hemorrhage                       | Marked            |
|                          | Endometrium                                     | Hyperplasia                      | Cystic, Marked    |
|                          | [ Hemorrhage TGLs = 1-10 ]                      |                                  |                   |
|                          | [ Hyperplasia TGLs = 1-10 ]                     |                                  |                   |

PRIMARY CAUSE OF DEATH - Uterus Hemorrhage

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

|                  |   |                                  |                   |
|------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone Marrow    |   | Hyperplasia                      | Mild              |
| * Liver          |   | Basophilic Focus                 |                   |
|                  |   | Hematopoietic Cell Proliferation | Minimal           |
|                  |   | Hepatocellular Adenoma           | Multiple          |
|                  |   | Hepatocellular Carcinoma         |                   |
|                  |   | Hypertrophy                      | Minimal           |
|                  |   | Inflammation                     | Mild              |
|                  |   | Mixed Cell Focus                 |                   |
|                  |   | Vacuolization Cytoplasmic        | Marked            |
|                  | [ Hepatocellular Adenoma TGLs = 1,3,4,6-10+12+13+15 ] |                                  |                   |
|                  | [ Hepatocellular Carcinoma TGLs = 2-11 ]              |                                  |                   |
| * Nose           | Olfactory Epi   | Accumulation, Hyaline Droplet    | Minimal           |
|                  | Olfactory Epi   | Pigmentation                     | Minimal           |
| * Spleen         |   | Hematopoietic Cell Proliferation | Moderate          |
|                  |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus         |   | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus         | Endometrium   | Hyperplasia                      | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700426

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Salivary Glands           | * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      |
| * Thyroid Gland             | Tooth                    | * Trachea                  | * Urinary Bladder         |

**OBSERVATIONS**

|                      |  |                                  |                   |
|----------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                      | Minimal           |
| * Bone               |  | Osteoporosis                     | Mild              |
| * Bone Marrow        |  | Hyperplasia                      | Mild              |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal           |
| * Liver              |  | Basophilic Focus                 |                   |
|                      |  | Eosinophilic Focus               |                   |
|                      |  | Hepatocellular Adenoma           | Multiple          |
|                      |  | Hepatocellular Carcinoma         |                   |
|                      |  | Hypertrophy                      | Moderate          |
|                      |  | Inflammation                     | Minimal           |
|                      |  | Vacuolization Cytoplasmic        | Marked            |
|                      | [ Eosinophilic Focus TGLs = 3-11 ]                 |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 3-11 ]             |                                  |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 1-10 ]           |                                  |                   |
|                      | [ Vacuolization Cytoplasmic TGLs = 2-3+4+5+10+11 ] |                                  |                   |
| * Pituitary Gland    | Pars Distalis                                      | Hyperplasia                      | Minimal           |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus             |  | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus             | Endometrium  | Hyperplasia                      | Cystic, Mild      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                        |  |                                  |                |
|------------------------|--|----------------------------------|----------------|
| * Adrenal Cortex       | Subcapsular                                      | Hyperplasia                      | Minimal        |
| * Bone                 |  | Osteoporosis                     | Mild           |
| * Liver                |  | Eosinophilic Focus               |                |
|                        |  | Erythrophagocytosis              | Minimal        |
|                        |  | Hepatocellular Adenoma           | Multiple       |
|                        |  | Hypertrophy                      | Marked         |
|                        |  | Inflammation                     | Minimal        |
|                        |  | Mixed Cell Focus                 |                |
|                        |  | Tension Lipidosis                |                |
|                        |  | Vacuolization Cytoplasmic        | Moderate       |
|                        | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                                  |                |
|                        | [ Mixed Cell Focus TGLs = 4-13 ]                 |                                  |                |
| * Pancreas             | Duct   | Cyst                             | Mild           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Mild           |
|                        |  | Hyperplasia                      | Lymphoid, Mild |
| * Stomach, Forestomach | Epithelium                                       | Hyperplasia                      | Marked         |
| * Stomach, Glandular   |  | Cyst                             | Mild           |
| * Uterus               | Endometrium                                      | Hyperplasia                      | Cystic, Mild   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Ovary                     | * Pancreas               | * Parathyroid Gland        | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                   |  |                                  |                    |
|-------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex  | Subcapsular                              | Hyperplasia                      | Minimal            |
| * Bone Marrow     |  | Hyperplasia                      | Moderate           |
| * Harderian Gland |  | Carcinoma                        |                    |
| * Liver           |  | Eosinophilic Focus               |                    |
|                   |  | Hemangiosarcoma                  |                    |
|                   |  | Hepatoblastoma                   |                    |
|                   |  | Hepatocellular Adenoma           |                    |
|                   |  | Hepatocellular Carcinoma         |                    |
|                   |  | Inflammation                     | Mild               |
|                   | [ Eosinophilic Focus TGLs = 3,4-12+13 ]  |                                  |                    |
|                   | [ Hemangiosarcoma TGLs = 2-11 ]          |                                  |                    |
|                   | [ Hepatoblastoma TGLs = 1-10 ]           |                                  |                    |
|                   | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                    |
| * Lung            |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose            | Respirat Epith                           | Hyperplasia                      | Minimal            |
|                   |  | Inflammation                     | Minimal            |
| * Pituitary Gland | Pars Distalis                            | Hyperplasia                      | Minimal            |
| * Spleen          |  | Hematopoietic Cell Proliferation | Marked             |
| * Thyroid Gland   | Follicle                                 | Hyperplasia                      | Mild               |
|                   | Follicular Cel                           | Hypertrophy                      | Minimal            |
| * Uterus          | Endometrium                              | Hyperplasia                      | Cystic, Mild       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thyroid Gland           |
| Tooth                       | * Trachea                | * Urinary Bladder          | * Uterus                  |

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular  | Hyperplasia                      | Minimal           |
| * Bone Marrow    |  | Hyperplasia                      | Minimal           |
| * Clitoral Gland |  | Inflammation                     | Minimal           |
| * Liver          |  | Eosinophilic Focus               |                   |
|                  |  | Hepatocellular Adenoma           | Multiple          |
|                  |  | Hypertrophy                      | Minimal           |
|                  |  | Inflammation                     | Mild              |
|                  |  | Vacuolization Cytoplasmic        | Mild              |
|                  | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |                   |
| * Lung           |  | Infiltration Cellular            | Histiocyte, Mild  |
|                  |  | Inflammation                     | Moderate          |
| Lymph Node       | Bronchial  | Hyperplasia                      | Lymphoid, Minimal |
| * Nose           | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal           |
|                  | Respirat Epith   | Hyperplasia                      | Minimal           |
| * Ovary          |  | Cyst                             | Mild              |
| * Spleen         |  | Hematopoietic Cell Proliferation | Moderate          |
|                  |  | Hyperplasia                      | Lymphoid, Mild    |
| * Thymus         |  | Hyperplasia                      | Lymphoid, Mild    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                      | Minimal           |
| * Bone Marrow            |  | Hyperplasia                      | Mild              |
| * Kidney                 |  | Nephropathy                      | Minimal           |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Erythrophagocytosis              | Minimal           |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         |                   |
|                          |  | Hypertrophy                      | Moderate          |
|                          |  | Inflammation                     | Minimal           |
|                          |  | Mixed Cell Focus                 |                   |
|                          |  | Vacuolization Cytoplasmic        | Moderate          |
|                          |  |                                  |                   |
|                          | [ Eosinophilic Focus TGLs = 5-14 ]               |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 2,3,4-11+12+13 ] |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1-10 ]         |                                  |                   |
| * Lymph Node, Mandibular |  | Angiectasis                      | Mild              |
| * Pituitary Gland        | Pars Distalis                                    | Hyperplasia                      | Mild              |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate          |
|                          |  | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus                 | Endometrium                                      | Hyperplasia                      | Cystic, Minimal   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Pancreas                  | * Parathyroid Gland      |
| * Salivary Glands          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thyroid Gland            | Tooth                     | * Trachea                   | * Urinary Bladder        |

OBSERVATIONS

|                   |                |  |                   |
|-------------------|----------------|--|-------------------|
| * Adrenal Cortex  | Subcapsular    | Hyperplasia                                      | Mild              |
| * Liver           |                | Eosinophilic Focus                               |                   |
|                   |                | Hepatocellular Adenoma                           | Multiple          |
|                   |                | Hypertrophy                                      | Mild              |
|                   |                | Inflammation                                     | Mild              |
|                   |                | Mixed Cell Focus                                 |                   |
|                   |                | Vacuolization Cytoplasmic                        | Marked            |
|                   |                | [ Eosinophilic Focus TGLs = 2,3-11+12 ]          |                   |
|                   |                | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                   |
| * Lung            |                | Alveolar/Bronchiolar Carcinoma                   |                   |
| Lymph Node        | Renal          | Hemorrhage                                       | Chronic, Moderate |
|                   |                | [ Hemorrhage TGLs = 4-13 ]                       |                   |
| * Nose            | Olfactory Epi  | Accumulation, Hyaline Droplet                    | Minimal           |
|                   | Respirat Epith | Hyperplasia                                      | Minimal           |
|                   | Olfactory Epi  | Pigmentation                                     | Minimal           |
| * Ovary           |                | Mineralization                                   | Minimal           |
| * Pituitary Gland | Pars Distalis  | Hyperplasia                                      | Minimal           |
| * Spleen          |                | Hematopoietic Cell Proliferation                 | Mild              |
|                   |                | Hyperplasia                                      | Lymphoid, Minimal |
| * Thymus          |                | Hyperplasia                                      | Lymphoid, Minimal |
| * Uterus          | Endometrium    | Hyperplasia                                      | Cystic, Minimal   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Mammary Gland          | * Nose                     | * Ovary                   |
| * Parathyroid Gland         | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

|                          |  |                                  |          |
|--------------------------|--|----------------------------------|----------|
| * Adrenal Cortex         |  | Hematopoietic Cell Proliferation | Moderate |
|                          | Subcapsular                                    | Hyperplasia                      | Mild     |
| * Bone Marrow            |  | Hyperplasia                      | Marked   |
| * Harderian Gland        |  | Fibrosis                         | Mild     |
| * Kidney                 |  | Nephropathy                      | Minimal  |
| * Liver                  |  | Eosinophilic Focus               |          |
|                          |  | Hematopoietic Cell Proliferation | Mild     |
|                          |  | Hepatoblastoma                   |          |
|                          |  | Hepatocellular Adenoma           |          |
|                          |  | Histiocytic Sarcoma              |          |
|                          |  | Necrosis                         | Mild     |
|                          | [ Hepatoblastoma TGLs = 3-11 ]                 |                                  |          |
|                          | [ Histiocytic Sarcoma TGLs = 1,2-3+4+5+10+11 ] |                                  |          |
|                          | [ Necrosis TGLs = 2-10 ]                       |                                  |          |
| * Lung                   |  | Histiocytic Sarcoma              |          |
| * Lymph Node, Mesenteric |  | Inflammation                     | Mild     |
| * Pancreas               |  | Atrophy                          | Mild     |
|                          |  | Histiocytic Sarcoma              |          |
| * Pituitary Gland        |  | Histiocytic Sarcoma              |          |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Marked   |
|                          |  | Histiocytic Sarcoma              |          |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 330

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700432

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Histiocytic Sarcoma TGLs = 4-12 ]

\* Thyroid Gland

Follicular Cel

Degeneration

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 587

DOSE: 600 mg/kg

DISP: Natural Death

HISTO: 0700433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Esophagus                | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lung                   | * Lymph Node, Mesenteric   | * Mammary Gland           | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | Tooth                       |
| * Trachea                | * Urinary Bladder          |                           |                             |

OBSERVATIONS

|                          |                            |                                  |                    |
|--------------------------|----------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                | Hyperplasia                      | Mild               |
| * Bone Marrow            |                            | Hyperplasia                      | Moderate           |
| * Eye                    |                            | Cataract                         | Mild               |
|                          | Cornea                     | Inflammation                     | Moderate           |
| * Harderian Gland        |                            | Carcinoma                        |                    |
|                          |                            | Inflammation                     | Mild               |
|                          | [ Carcinoma TGLs = 1-9 ]   |                                  |                    |
| * Liver                  |                            | Inflammation                     | Minimal            |
|                          |                            | Vacuolization Cytoplasmic        | Minimal            |
| * Lymph Node, Mandibular |                            | Hyperplasia                      | Lymphoid, Moderate |
| * Nose                   | Olfactory Epi              | Accumulation, Hyaline Droplet    | Minimal            |
| * Ovary                  |                            | Cyst                             | Marked             |
|                          |                            | Thrombosis                       | Marked             |
|                          | [ Cyst TGLs = 2-10 ]       |                                  |                    |
| * Spleen                 |                            | Hematopoietic Cell Proliferation | Marked             |
| * Thyroid Gland          | Follicle                   | Cyst                             |                    |
| * Uterus                 | Endometrium                | Hyperplasia                      | Cystic, Moderate   |
|                          | [ Hyperplasia TGLs = 3-7 ] |                                  |                    |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|   |               |                                  |                   |
|---|---------------|----------------------------------|-------------------|
| * Adrenal Cortex                            | Subcapsular   | Hyperplasia                      | Mild              |
| * Harderian Gland                           |               | Carcinoma                        |                   |
| [ Carcinoma TGLs = 3-9 ]                    |               |                                  |                   |
| * Liver                                     |               | Basophilic Focus                 |                   |
|   |               | Eosinophilic Focus               |                   |
|   |               | Hepatocellular Adenoma           | Multiple          |
|   |               | Hypertrophy                      | Minimal           |
|   |               | Inflammation                     | Minimal           |
|   |               | Mixed Cell Focus                 |                   |
|   |               | Vacuolization Cytoplasmic        | Moderate          |
| [ Eosinophilic Focus TGLs = 2-11 ]          |               |                                  |                   |
| [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |               |                                  |                   |
| [ Mixed Cell Focus TGLs = 2-11 ]            |               |                                  |                   |
| * Pituitary Gland                           | Pars Distalis | Hyperplasia                      | Minimal           |
| * Spleen                                    |               | Hematopoietic Cell Proliferation | Moderate          |
|   |               | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus                                    | Artery        | Dysplasia                        | Marked            |
|   | Endometrium   | Hyperplasia                      | Cystic, Minimal   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Parathyroid Gland      | * Salivary Glands          |
| * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                      |  |                                  |                |
|----------------------|--|----------------------------------|----------------|
| * Adrenal Cortex     | Subcapsular                                  | Hyperplasia                      | Mild           |
| * Bone Marrow        |  | Hyperplasia                      | Minimal        |
| * Islets, Pancreatic |  | Atrophy                          | Moderate       |
| * Liver              |  | Eosinophilic Focus               |                |
|                      |  | Hepatocellular Adenoma           | Multiple       |
|                      |  | Hypertrophy                      | Marked         |
|                      |  | Inflammation                     | Minimal        |
|                      |  | Mixed Cell Focus                 |                |
|                      |  | Tension Lipidosis                |                |
|                      |  | Vacuolization Cytoplasmic        | Marked         |
|                      | [ Eosinophilic Focus TGLs = 1,2,3-10+11+12 ] |                                  |                |
|                      | [ Hepatocellular Adenoma TGLs = 3-12 ]       |                                  |                |
|                      | [ Mixed Cell Focus TGLs = 3-12 ]             |                                  |                |
| * Lung               |  | Cyst                             | Mild           |
|                      | [ Cyst TGLs = 6-14 ]                         |                                  |                |
| * Pancreas           |  | Atrophy                          | Moderate       |
|                      | Duct   | Cyst                             | Marked         |
|                      |  | Inflammation                     | Mild           |
| * Pituitary Gland    | Pars Distalis                                | Hyperplasia                      | Minimal        |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate       |
|                      |  | Hyperplasia                      | Lymphoid, Mild |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 333

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700435

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

C Cell

Hyperplasia

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[ Hyperplasia TGLs = 5-7 ]

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Animal Note: TGL 4-13 = No Corresponding Lesion

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Nose                    | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | Tooth                    |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

|                      |   |                                  |                   |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular                                 | Hyperplasia                      | Minimal           |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal           |
| * Kidney             |   | Nephropathy                      | Minimal           |
| * Liver              |   | Eosinophilic Focus               |                   |
|                      |   | Hepatocellular Adenoma           | Multiple          |
|                      |   | Hypertrophy                      | Moderate          |
|                      |   | Inflammation                     | Minimal           |
|                      |   | Mixed Cell Focus                 |                   |
|                      |   | Vacuolization Cytoplasmic        | Marked            |
|                      | [ Eosinophilic Focus TGLs = 2-11 ]          |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |                                  |                   |
| Lymph Node           | Inguinal                                    | Hyperplasia                      | Lymphoid, Mild    |
| * Pituitary Gland    | Pars Distalis                               | Hyperplasia                      | Mild              |
| * Spleen             |   | Hematopoietic Cell Proliferation | Moderate          |
|                      |   | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 628

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | Peripheral Nerve            | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | Spinal Cord                 | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                  |  |                                  |                |
|------------------|--|----------------------------------|----------------|
| * Adrenal Cortex | Subcapsular  | Hyperplasia                      | Minimal        |
| * Bone Marrow    |  | Hyperplasia                      | Moderate       |
| * Kidney         |  | Nephropathy                      | Minimal        |
| * Liver          |  | Eosinophilic Focus               |                |
|                  |  | Hepatocellular Adenoma           | Multiple       |
|                  |  | Hypertrophy                      | Mild           |
|                  |  | Inflammation                     | Mild           |
|                  |  | Mixed Cell Focus                 |                |
|                  |  | Vacuolization Cytoplasmic        | Minimal        |
|                  | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-14+15+16+17+18 ] |                                  |                |
| * Spleen         |  | Hematopoietic Cell Proliferation | Mild           |
|                  |  | Hyperplasia                      | Lymphoid, Mild |
| * Thyroid Gland  |  | Ultimobranchial Cyst             |                |
| * Uterus         | Endometrium  | Hyperplasia                      | Cystic, Mild   |

PRIMARY CAUSE OF DEATH - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Nose                      | * Pancreas               | * Parathyroid Gland        | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

OBSERVATIONS

|                          |                                    |                                  |                |
|--------------------------|------------------------------------|----------------------------------|----------------|
| * Adrenal Cortex         | Subcapsular                        | Hyperplasia                      | Mild           |
| * Bone Marrow            |                                    | Hyperplasia                      | Minimal        |
| * Harderian Gland        |                                    | Carcinoma                        |                |
| * Liver                  |                                    | Basophilic Focus                 |                |
|                          |                                    | Clear Cell Focus                 |                |
|                          |                                    | Hypertrophy                      | Moderate       |
|                          |                                    | Inflammation                     | Minimal        |
|                          |                                    | Lymphoma Malignant               |                |
|                          |                                    | Mixed Cell Focus                 |                |
|                          |                                    | Vacuolization Cytoplasmic        | Moderate       |
|                          | [ Basophilic Focus TGLs = 1-10 ]   |                                  |                |
| Lymph Node               | Mediastinal                        | Lymphoma Malignant               |                |
|                          | [ Lymphoma Malignant TGLs = 4-12 ] |                                  |                |
| * Lymph Node, Mandibular |                                    | Hyperplasia                      | Lymphoid, Mild |
| Mesentery                | Fat                                | Necrosis                         | Moderate       |
|                          | [ Necrosis TGLs = 5-13 ]           |                                  |                |
| * Ovary                  |                                    | Cyst                             | Moderate       |
|                          | [ Cyst TGLs = 3-7 ]                |                                  |                |
| * Pituitary Gland        | Pars Distalis                      | Hyperplasia                      | Minimal        |
| * Spleen                 |                                    | Hematopoietic Cell Proliferation | Mild           |
|                          |                                    | Lymphoma Malignant               |                |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700438

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ORGAN AND ACCOUNTABLE SITE STATUS

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[ Lymphoma Malignant TGLs = 2-11 ]

\* Thymus

Hyperplasia

Lymphoid, Minimal

\* Thyroid Gland

C Cell

Hyperplasia

Minimal

Ultimobranchial Cyst

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Salivary Glands          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

OBSERVATIONS

|                      |   |                                  |                   |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone               |   | Osteoporosis                     | Mild              |
| * Bone Marrow        |   | Hyperplasia                      | Mild              |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal           |
| * Kidney             |   | Cyst                             | Minimal           |
| * Liver              |   | Eosinophilic Focus               |                   |
|                      |   | Hepatocellular Adenoma           | Multiple          |
|                      |   | Inflammation                     | Mild              |
|                      |   | Mixed Cell Focus                 |                   |
|                      |   | Vacuolization Cytoplasmic        | Minimal           |
|                      | [ Eosinophilic Focus TGLs = 6-15 ]                              |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5,6-10+11+12+13+14+15 ] |                                  |                   |
| * Ovary              | Germinal Epith  | Hyperplasia                      | Minimal           |
| * Pituitary Gland    | Pars Distalis   | Hyperplasia                      | Minimal           |
| * Spleen             |   | Hematopoietic Cell Proliferation | Moderate          |
|                      |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus             |   | Hyperplasia                      | Lymphoid, Mild    |
| * Uterus             | Endometrium   | Hyperplasia                      | Cystic, Moderate  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Trachea                   | * Urinary Bladder        | * Uterus                   |

OBSERVATIONS

|                      |  |                                  |          |
|----------------------|--|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                      | Mild     |
| * Bone Marrow        |  | Hyperplasia                      | Moderate |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal  |
| * Liver              |  | Eosinophilic Focus               |          |
|                      |  | Hepatocellular Adenoma           | Multiple |
|                      |  | Hypertrophy                      | Minimal  |
|                      |  | Inflammation                     | Minimal  |
|                      |  | Lymphoma Malignant               |          |
|                      |  | Mixed Cell Focus                 |          |
|                      |  | Vacuolization Cytoplasmic        | Mild     |
|                      | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ] |                                  |          |
|                      | [ Lymphoma Malignant TGLs = 1,2,5-10+11+14 ]     |                                  |          |
| * Nose               | Olfactory Epi                                    | Accumulation, Hyaline Droplet    | Minimal  |
| * Pituitary Gland    | Pars Distalis                                    | Hyperplasia                      | Minimal  |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate |
| * Thyroid Gland      | Follicle   | Cyst                             |          |
| Tooth                |  | Dysplasia                        |          |

Animal Note: TGL 6-15 = No Corresponding Lesion

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                  |   |                                  |                    |
|------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex | Subcapsular   | Hyperplasia                      | Moderate           |
| * Bone Marrow    |   | Hyperplasia                      | Moderate           |
| * Liver          |   | Basophilic Focus                 |                    |
|                  |   | Eosinophilic Focus               |                    |
|                  |   | Hepatoblastoma                   |                    |
|                  |   | Hepatocellular Adenoma           | Multiple           |
|                  |   | Hypertrophy                      | Moderate           |
|                  |   | Inflammation                     | Minimal            |
|                  |   | Mixed Cell Focus                 |                    |
|                  |   | Vacuolization Cytoplasmic        | Moderate           |
|                  | [ Eosinophilic Focus TGLs = 6-14 ]                    |                                  |                    |
|                  | [ Hepatoblastoma TGLs = 1,2-10 ]                      |                                  |                    |
|                  | [ Hepatocellular Adenoma TGLs = 3,4,5,6-11+12+13+14 ] |                                  |                    |
|                  | [ Mixed Cell Focus TGLs = 6-14 ]                      |                                  |                    |
| * Lung           |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Ovary          |   | Cyst                             | Minimal            |
| * Spleen         |   | Hematopoietic Cell Proliferation | Moderate           |
|                  |   | Hyperplasia                      | Lymphoid, Minimal  |
| * Thymus         |   | Hyperplasia                      | Lymphoid, Moderate |
| * Thyroid Gland  | Follicle  | Hyperplasia                      | Minimal            |
|                  | Follicular Cel  | Hypertrophy                      | Minimal            |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

---

**ANIMAL ID:** 339

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700441

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Marked

Inflammation

Mild

[ Hyperplasia TGLs = 7-7 ]

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Harderian Gland         | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  | * Lung                      |
| * Lymph Node, Mesenteric | * Mammary Gland            | * Pancreas                | * Parathyroid Gland         |
| * Salivary Glands        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Thyroid Gland          | Tooth                      | * Trachea                 | * Urinary Bladder           |

MISSING

\* Gallbladder

OBSERVATIONS

|                          |  |                                  |          |
|--------------------------|--|----------------------------------|----------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                      | Minimal  |
| * Bone                   |  | Osteoporosis                     | Minimal  |
| * Bone Marrow            |  | Hyperplasia                      | Mild     |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal  |
| * Liver                  |  | Basophilic Focus                 |          |
|                          |  | Eosinophilic Focus               |          |
|                          |  | Erythrophagocytosis              | Minimal  |
|                          |  | Hepatocellular Adenoma           | Multiple |
|                          |  | Hypertrophy                      | Mild     |
|                          |  | Inflammation                     | Minimal  |
|                          |  | Mixed Cell Focus                 |          |
|                          |  | Vacuolization Cytoplasmic        | Moderate |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                                  |          |
| * Lymph Node, Mandibular |  | Lymphoma Malignant               |          |
| * Nose                   | Respirat Epith                                   | Hyperplasia                      | Minimal  |
| * Ovary                  |  | Cyst                             | Minimal  |
| * Pituitary Gland        | Pars Distalis                                    | Hyperplasia                      | Minimal  |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate |
|                          |  | Lymphoma Malignant               |          |
|                          | [ Lymphoma Malignant TGLs = 4-13 ]               |                                  |          |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 340

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700442

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thymus

Hyperplasia

Lymphoid, Mild

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Pancreas                  | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| * Stomach, Glandular        | * Thyroid Gland          | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

|                        |               |                                  |                   |
|------------------------|---------------|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone                 |               | Osteoporosis                     | Mild              |
| * Bone Marrow          |               | Hyperplasia                      | Moderate          |
| * Liver                |               | Eosinophilic Focus               |                   |
|                        |               | Hematopoietic Cell Proliferation | Minimal           |
|                        |               | Inflammation                     | Mild              |
|                        |               | Necrosis                         | Minimal           |
|                        |               | Tension Lipidosis                |                   |
|                        |               | Vacuolization Cytoplasmic        | Mild              |
| Lymph Node             | Inguinal      | Hyperplasia                      | Lymphoid, Mild    |
| * Mammary Gland        |               | Carcinoma                        |                   |
|                        |               | [ Carcinoma TGLs = 1-10 ]        |                   |
| * Nose                 | Olfactory Epi | Accumulation, Hyaline Droplet    | Minimal           |
|                        |               | Inflammation                     | Mild              |
|                        | Glands        | Metaplasia                       | Minimal           |
| * Ovary                |               | Cyst                             | Minimal           |
| * Parathyroid Gland    |               | Infiltration Cellular            | Lymphoid, Mild    |
|                        |               | Note: Ectopic thymic tissue      |                   |
| * Spleen               |               | Hematopoietic Cell Proliferation | Mild              |
|                        |               | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium    | Hyperkeratosis                   | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700443

ORGAN AND ACCOUNTABLE SITE STATUS

|          |                             |              |                  |
|----------|-----------------------------|--------------|------------------|
|          | Epithelium                  | Hyperplasia  | Moderate         |
|          |                             | Inflammation | Moderate         |
|          | Epithelium                  | Ulcer        | Mild             |
|          | [ Hyperplasia TGLs = 3-11 ] |              |                  |
|          | [ Ulcer TGLs = 3-11 ]       |              |                  |
| * Thymus |                             | Hyperplasia  | Lymphoid, Mild   |
| * Uterus | Endometrium                 | Hyperplasia  | Cystic, Moderate |
|          | [ Hyperplasia TGLs = 2-7 ]  |              |                  |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nose                   | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Thyroid Gland            | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

OBSERVATIONS

|                          |   |                                |                      |
|--------------------------|---|--------------------------------|----------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia                    | Mild                 |
| * Bone                   |   | Osteoporosis                   | Minimal              |
| * Bone Marrow            |   | Hyperplasia                    | Moderate             |
| * Islets, Pancreatic     |   | Hyperplasia                    | Minimal              |
| * Kidney                 |   | Mineralization                 | Minimal              |
|                          |   | Nephropathy                    | Minimal              |
| * Liver                  |   | Eosinophilic Focus             |                      |
|                          |   | Hepatocellular Adenoma         |                      |
|                          |   | Hypertrophy                    | Mild                 |
|                          |   | Inflammation                   | Minimal              |
|                          |   | Mixed Cell Focus               |                      |
|                          |   | Vacuolization Cytoplasmic      | Mild                 |
|                          | [ Eosinophilic Focus TGLs = 1-10 ]            |                                |                      |
|                          | [ Hepatocellular Adenoma TGLs = 2-11 ]        |                                |                      |
| * Lung                   |   | Alveolar/Bronchiolar Carcinoma |                      |
|                          |   | Infiltration Cellular          | Histiocyte, Moderate |
|                          |   | Inflammation                   | Mild                 |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 4-3 ] |                                |                      |
| * Lymph Node, Mandibular |   | Hyperplasia                    | Lymphoid, Mild       |
| * Ovary                  |   | Cyst                           | Minimal              |
| * Skin                   | Subcut Tiss                                   | Histiocytic Sarcoma            |                      |
|                          | [ Histiocytic Sarcoma TGLs = 3-12 ]           |                                |                      |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 342

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700444

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |                         |                                  |                 |
|------------------------|-------------------------|----------------------------------|-----------------|
| * Spleen               |                         | Hematopoietic Cell Proliferation | Marked          |
| * Stomach, Forestomach | Epithelium              | Hyperplasia                      | Minimal         |
| * Stomach, Glandular   |                         | Adenoma                          |                 |
|                        | [ Adenoma TGLs = 5-13 ] |                                  |                 |
| * Thymus               |                         | Hyperplasia                      | Lymphoid, Mild  |
| * Uterus               | Endometrium             | Hyperplasia                      | Cystic, Minimal |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                          |                                   |                                  |                   |
|--------------------------|-----------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                       | Hyperplasia                      | Minimal           |
| * Bone Marrow            |                                   | Hyperplasia                      | Moderate          |
| * Liver                  |                                   | Basophilic Focus                 |                   |
|                          |                                   | Eosinophilic Focus               |                   |
|                          |                                   | Hepatocellular Adenoma           | Multiple          |
|                          |                                   | Inflammation                     | Minimal           |
|                          |                                   | Mixed Cell Focus                 |                   |
|                          |                                   | Tension Lipidosis                |                   |
|                          |                                   | Vacuolization Cytoplasmic        | Minimal           |
| [ Hepatocellular Adenoma | TGLs = 1,2,3,4,5-10+11+12+13+14 ] |                                  |                   |
| * Nose                   | Respirat Epith                    | Hyperplasia                      | Minimal           |
| * Salivary Glands        |                                   | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen                 |                                   | Hematopoietic Cell Proliferation | Moderate          |
| * Thymus                 |                                   | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland          | C Cell                            | Hyperplasia                      | Minimal           |
| * Uterus                 | Endometrium                       | Hyperplasia                      | Cystic, Minimal   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Glandular     | * Thyroid Gland            |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Mild               |
| * Bone Marrow            |  | Hyperplasia                      | Minimal            |
| * Liver                  |  | Eosinophilic Focus               |                    |
|                          |  | Erythrophagocytosis              | Minimal            |
|                          |  | Hepatoblastoma                   | Multiple           |
|                          |  | Hepatocellular Adenoma           | Multiple           |
|                          |  | Hepatocellular Carcinoma         | Multiple           |
|                          |  | Hypertrophy                      | Minimal            |
|                          |  | Inflammation                     | Minimal            |
|                          |  | Mixed Cell Focus                 |                    |
|                          |  | Vacuolization Cytoplasmic        | Moderate           |
|                          | [ Eosinophilic Focus TGLs = 6,7-14+15 ]                    |                                  |                    |
|                          | [ Hepatoblastoma TGLs = 4,6-13+14 ]                        |                                  |                    |
|                          | [ Hepatocellular Adenoma TGLs = 1,3,5,6,7-10+12+13+14+15 ] |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 2-11 ]                   |                                  |                    |
|                          | [ Mixed Cell Focus TGLs = 7-15 ]                           |                                  |                    |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Moderate |
| * Nose                   | Glands   | Metaplasia                       | Minimal            |
| * Pituitary Gland        | Pars Distalis  | Hyperplasia                      | Mild               |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate           |
|                          |  | Hyperplasia                      | Lymphoid, Mild     |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700446

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ORGAN AND ACCOUNTABLE SITE STATUS

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|                        |             |                |                    |
|------------------------|-------------|----------------|--------------------|
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis | Mild               |
|                        | Epithelium  | Hyperplasia    | Mild               |
|                        |             | Inflammation   | Minimal            |
| * Thymus               |             | Hyperplasia    | Lymphoid, Moderate |
| * Uterus               | Endometrium | Hyperplasia    | Cystic, Mild       |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                          |                           |                             |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel             | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                    | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic     | * Kidney                  | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland           | * Ovary                     |
| * Pancreas               | * Parathyroid Gland      | * Salivary Glands         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular     | Tooth                     | * Trachea                   |
| * Urinary Bladder        | * Uterus                 |                           |                             |

OBSERVATIONS

|                            |   |                                  |                    |
|----------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex           | Subcapsular                             | Hyperplasia                      | Minimal            |
| * Bone                     |   | Osteoporosis                     | Minimal            |
| * Bone Marrow              |   | Hyperplasia                      | Minimal            |
| * Harderian Gland          |   | Hyperplasia                      | Minimal            |
| * Intestine Small, Jejunum |   | Hyperplasia                      | Lymphoid, Moderate |
| * Liver                    |   | Eosinophilic Focus               |                    |
|                            |   | Hypertrophy                      | Minimal            |
|                            |   | Inflammation                     | Mild               |
|                            |   | Mixed Cell Focus                 |                    |
|                            |   | Vacuolization Cytoplasmic        | Moderate           |
|                            | [ Eosinophilic Focus TGLs = 1,3-10+12 ] |                                  |                    |
|                            | [ Mixed Cell Focus TGLs = 2-11 ]        |                                  |                    |
| * Nose                     | Respirat Epith                          | Hyperplasia                      | Minimal            |
| * Pituitary Gland          | Pars Distalis                           | Hyperplasia                      | Minimal            |
| * Spleen                   |   | Hematopoietic Cell Proliferation | Moderate           |
|                            |   | Hyperplasia                      | Lymphoid, Minimal  |
| * Thymus                   |   | Hyperplasia                      | Lymphoid, Minimal  |
| * Thyroid Gland            |   | Ultimobranchial Cyst             | Multiple           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 414

DOSE: 600 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Clitoral Gland         |
| * Esophagus                | * Eye                     | * Gallbladder               | * Harderian Gland        |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric  | * Mammary Gland             | * Nose                   |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | Tooth                     | * Trachea                   |                          |

OBSERVATIONS

|                          |   |                                  |              |
|--------------------------|---|----------------------------------|--------------|
| * Adrenal Cortex         |   | Hematopoietic Cell Proliferation | Moderate     |
|                          | Subcapsular   | Hyperplasia                      | Minimal      |
| * Bone Marrow            |   | Hyperplasia                      | Moderate     |
| * Brain                  |   | Histiocytic Sarcoma              |              |
| * Heart                  |   | Histiocytic Sarcoma              |              |
|                          |   | Mineralization                   | Minimal      |
| * Intestine Large, Cecum |   | Inflammation                     | Mild         |
| * Islets, Pancreatic     |   | Hyperplasia                      | Minimal      |
| * Kidney                 |   | Accumulation, Hyaline Droplet    | Moderate     |
|                          |   | Inflammation                     | Mild         |
| * Liver                  |   | Histiocytic Sarcoma              |              |
|                          | [ Histiocytic Sarcoma TGLs = 2,3,4,5,6-3+4+5+11+12+13+14+15 ] |                                  |              |
| * Lung                   |   | Histiocytic Sarcoma              |              |
| * Lymph Node, Mandibular |   | Histiocytic Sarcoma              |              |
| * Ovary                  |   | Histiocytic Sarcoma              |              |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Marked       |
| * Urinary Bladder        |   | Inflammation                     | Mild         |
| * Uterus                 |   | Histiocytic Sarcoma              |              |
|                          | Endometrium   | Hyperplasia                      | Cystic, Mild |
|                          |   | Inflammation                     | Mild         |
|                          | [ Histiocytic Sarcoma TGLs = 1-10 ]                           |                                  |              |

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 346

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 414

**DOSE:** 600 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700448

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: TGL 7 - NCL

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TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         | * Uterus                    |                          |                            |

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone Marrow            |   | Hyperplasia                      | Mild              |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Hepatocellular Carcinoma         |                   |
|                          |   | Hypertrophy                      | Mild              |
|                          |   | Inflammation                     | Mild              |
|                          |   | Mixed Cell Focus                 |                   |
|                          |   | Tension Lipidosis                |                   |
|                          |   | Vacuolization Cytoplasmic        | Mild              |
|                          | [ Eosinophilic Focus TGLs = 3-12 ]                    |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 3-12 ]              |                                  |                   |
|                          | [ Mixed Cell Focus TGLs = 3-12 ]                      |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal |
| * Ovary                  |   | Cyst                             | Minimal           |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate          |
|                          |   | Hyperplasia                      | Lymphoid, Mild    |
| * Thymus                 |   | Hyperplasia                      | Lymphoid, Mild    |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   |
| * Pancreas                  | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            | Tooth                     |
| * Trachea                   | * Urinary Bladder        |                            |                           |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|   |                |                           |                   |
|---|----------------|---------------------------|-------------------|
| * Adrenal Cortex                                | Subcapsular    | Hyperplasia               | Minimal           |
| * Bone  |                | Osteopetrosis             | Moderate          |
| * Bone Marrow                                   |                | Hyperplasia               | Minimal           |
| * Islets, Pancreatic                            |                | Hyperplasia               | Minimal           |
| * Liver   |                | Eosinophilic Focus        |                   |
|   |                | Hepatocellular Adenoma    | Multiple          |
|   |                | Hepatocellular Carcinoma  |                   |
|   |                | Hypertrophy               | Mild              |
|   |                | Inflammation              | Mild              |
|   |                | Mixed Cell Focus          |                   |
|   |                | Necrosis                  | Minimal           |
|   |                | Vacuolization Cytoplasmic | Mild              |
| [ Eosinophilic Focus TGLs = 8-13 ]              |                |                           |                   |
| [ Hepatocellular Adenoma TGLs = 2,3,4-4+11+12 ] |                |                           |                   |
| [ Hepatocellular Carcinoma TGLs = 1-10 ]        |                |                           |                   |
| Lymph Node                                      | Renal, Sinus   | Ectasia                   | Marked            |
| [ Ectasia TGLs = 5-10 ]                         |                |                           |                   |
| * Lymph Node, Mandibular                        |                | Hyperplasia               | Lymphoid, Minimal |
| * Nose  | Respirat Epith | Hyperplasia               | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700450

ORGAN AND ACCOUNTABLE SITE STATUS

|          |                                 |                                  |                   |
|----------|---------------------------------|----------------------------------|-------------------|
| * Spleen |                                 | Hematopoietic Cell Proliferation | Moderate          |
|          |                                 | Hyperplasia                      | Lymphoid, Mild    |
| * Thymus |                                 | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus |                                 | Angiectasis                      | Marked            |
|          | Endometrium                     | Hyperplasia                      | Cystic, Moderate  |
|          | [ Angiectasis TGLs = 7-12 ]     |                                  |                   |
|          | [ Hyperplasia TGLs = 6,7-7+12 ] |                                  |                   |

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 349

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 600 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700451

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | Tooth                       | * Trachea                | * Urinary Bladder          |

**OBSERVATIONS**

|   |                |                                  |                   |
|---|----------------|----------------------------------|-------------------|
| * Adrenal Cortex                            | Subcapsular    | Hyperplasia                      | Mild              |
| * Bone Marrow                               |                | Hyperplasia                      | Moderate          |
| * Liver                                     |                | Eosinophilic Focus               |                   |
|   |                | Hepatocellular Adenoma           | Multiple          |
|   |                | Hypertrophy                      | Moderate          |
|   |                | Inflammation                     | Minimal           |
|   |                | Mixed Cell Focus                 |                   |
|   |                | Vacuolization Cytoplasmic        | Moderate          |
| [ Eosinophilic Focus TGLs = 2-11 ]          |                |                                  |                   |
| [ Hepatocellular Adenoma TGLs = 3,4-10+12 ] |                |                                  |                   |
| [ Mixed Cell Focus TGLs = 2-11 ]            |                |                                  |                   |
| [ Vacuolization Cytoplasmic TGLs = 1-11 ]   |                |                                  |                   |
| * Lymph Node, Mesenteric                    |                | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                                      | Respirat Epith | Hyperplasia                      | Minimal           |
|   |                | Inflammation                     | Minimal           |
| * Spleen                                    |                | Hematopoietic Cell Proliferation | Moderate          |
|   |                | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus                                    |                | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland                             | C Cell         | Hyperplasia                      | Minimal           |
|   | Follicular Cel | Hypertrophy                      | Minimal           |
| * Uterus                                    | Endometrium    | Polyp Stromal                    |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 600 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                        |   |                                  |                  |
|------------------------|---|----------------------------------|------------------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Minimal          |
| * Bone Marrow          |   | Hyperplasia                      | Moderate         |
| * Islets, Pancreatic   |   | Hyperplasia                      | Mild             |
| * Liver                |   | Eosinophilic Focus               |                  |
|                        |   | Hepatocellular Adenoma           | Multiple         |
|                        |   | Hepatocellular Carcinoma         |                  |
|                        |   | Hypertrophy                      | Moderate         |
|                        |   | Inflammation                     | Minimal          |
|                        |   | Vacuolization Cytoplasmic        | Moderate         |
|                        | [ Eosinophilic Focus TGLs = 6-15 ]                    |                                  |                  |
|                        | [ Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13+14 ] |                                  |                  |
|                        | [ Hepatocellular Carcinoma TGLs = 1-10 ]              |                                  |                  |
| * Pituitary Gland      | Pars Distalis   | Hyperplasia                      | Mild             |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate         |
|                        |   | Hyperplasia                      | Lymphoid, Mild   |
| * Stomach, Forestomach | Epithelium  | Hyperplasia                      | Moderate         |
|                        |   | Inflammation                     | Mild             |
| * Thyroid Gland        | Follicle  | Hyperplasia                      | Mild             |
|                        | Follicular Cel  | Hypertrophy                      | Minimal          |
| * Uterus               | Endometrium   | Hyperplasia                      | Cystic, Moderate |
|                        | [ Hyperplasia TGLs = 7-7 ]                            |                                  |                  |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Urinary Bladder          |

OBSERVATIONS

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                      | Mild              |
| * Bone Marrow     |  | Hyperplasia                      | Mild              |
| * Kidney          |  | Nephropathy                      | Minimal           |
| * Liver           |  | Eosinophilic Focus               |                   |
|                   |  | Erythrophagocytosis              | Minimal           |
|                   |  | Hepatocellular Adenoma           | Multiple          |
|                   |  | Hepatocellular Carcinoma         |                   |
|                   |  | Hypertrophy                      | Moderate          |
|                   |  | Inflammation                     | Mild              |
|                   |  | Mixed Cell Focus                 |                   |
|                   |  | Necrosis                         | Mild              |
|                   |  | Vacuolization Cytoplasmic        | Moderate          |
|                   | [ Hepatocellular Adenoma TGLs = 1,2,4,5,6-10+11+13+14+15 ] |                                  |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 3-12 ]                   |                                  |                   |
| * Nose            | Olfactory Epi  | Pigmentation                     | Minimal           |
| * Salivary Glands |  | Infiltration Cellular            | Lymphoid, Minimal |
| * Spleen          |  | Hematopoietic Cell Proliferation | Mild              |
|                   |  | Hyperplasia                      | Lymphoid, Mild    |
| * Thyroid Gland   | Follicular Cel   | Hypertrophy                      | Minimal           |
| * Uterus          | Endometrium  | Hyperplasia                      | Cystic, Minimal   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                     | * Ovary                   |
| * Pancreas                  | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                      | Minimal            |
| * Bone Marrow            |  | Hyperplasia                      | Mild               |
| * Harderian Gland        |  | Adenoma                          |                    |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal            |
| * Liver                  |  | Eosinophilic Focus               |                    |
|                          |  | Hepatoblastoma                   |                    |
|                          |  | Hepatocellular Adenoma           | Multiple           |
|                          |  | Hepatocellular Carcinoma         |                    |
|                          |  | Inflammation                     | Mild               |
|                          |  | Vacuolization Cytoplasmic        | Minimal            |
|                          | [ Eosinophilic Focus TGLs = 5-14 ]               |                                  |                    |
|                          | [ Hepatoblastoma TGLs = 1-10 ]                   |                                  |                    |
|                          | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ] |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 2-11 ]         |                                  |                    |
| * Lung                   |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Mild     |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate           |
|                          |  | Hyperplasia                      | Lymphoid, Minimal  |
| * Stomach, Forestomach   | Epithelium                                       | Hyperkeratosis                   | Marked             |
|                          | Epithelium                                       | Hyperplasia                      | Marked             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700454

ORGAN AND ACCOUNTABLE SITE STATUS

|                             |                |              |                   |
|-----------------------------|----------------|--------------|-------------------|
|                             |                | Inflammation | Mild              |
|                             | Epithelium     | Ulcer        | Mild              |
| [ Hyperplasia TGLs = 6-15 ] |                |              |                   |
| [ Ulcer TGLs = 6-15 ]       |                |              |                   |
| * Stomach, Glandular        | Epithelium     | Hyperplasia  | Minimal           |
| * Thymus                    |                | Hyperplasia  | Lymphoid, Minimal |
| * Thyroid Gland             | Follicular Cel | Hypertrophy  | Minimal           |
| * Uterus                    |                | Angiectasis  | Minimal           |
|                             | Endometrium    | Hyperplasia  | Cystic, Minimal   |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney                  | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | Tooth                    |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

|                        |  |                                  |                   |
|------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular                                      | Hyperplasia                      | Mild              |
| * Islets, Pancreatic   |  | Hyperplasia                      | Minimal           |
| * Liver                |  | Eosinophilic Focus               |                   |
|                        |  | Erythrophagocytosis              | Minimal           |
|                        |  | Hepatocellular Adenoma           | Multiple          |
|                        |  | Hepatocellular Carcinoma         |                   |
|                        |  | Hypertrophy                      | Marked            |
|                        |  | Inflammation                     | Minimal           |
|                        |  | Mixed Cell Focus                 |                   |
|                        |  | Vacuolization Cytoplasmic        | Marked            |
|                        | [ Eosinophilic Focus TGLs = 5,6-14+15 ]          |                                  |                   |
|                        | [ Hepatocellular Adenoma TGLs = 1,2,4-10+11+13 ] |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 3-12 ]         |                                  |                   |
|                        | [ Mixed Cell Focus TGLs = 6-15 ]                 |                                  |                   |
| * Nose                 |  | Inflammation                     | Minimal           |
|                        | Olfactory Epi                                    | Pigmentation                     | Minimal           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate          |
|                        |  | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium                                       | Hyperkeratosis                   | Moderate          |
|                        | Epithelium                                       | Hyperplasia                      | Marked            |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 353

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700455

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLs = 7-16 ]

Inflammation

Moderate

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric |
| * Mammary Gland            | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | Tooth                       | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

|                  |   |                                  |                   |
|------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular   | Hyperplasia                      | Minimal           |
| * Kidney         |   | Nephropathy                      | Minimal           |
| * Liver          |   | Eosinophilic Focus               |                   |
|                  |   | Hepatocellular Adenoma           | Multiple          |
|                  |   | Hepatocellular Carcinoma         | Multiple          |
|                  |   | Hypertrophy                      | Mild              |
|                  |   | Inflammation                     | Minimal           |
|                  |   | Mixed Cell Focus                 |                   |
|                  |   | Vacuolization Cytoplasmic        | Moderate          |
|                  | [ Hepatocellular Adenoma TGLs = 2,3,4,6-11+12+13+15 ] |                                  |                   |
|                  | [ Hepatocellular Carcinoma TGLs = 1,5-10+14 ]         |                                  |                   |
| * Lung           |   | Inflammation                     | Minimal           |
| * Nose           | Respirat Epith  | Hyperplasia                      | Minimal           |
|                  |   | Inflammation                     | Minimal           |
| * Ovary          |   | Cyst                             | Moderate          |
|                  |   | Cystadenoma                      |                   |
|                  | [ Cyst TGLs = 7-7 ]                                   |                                  |                   |
| * Spleen         |   | Hematopoietic Cell Proliferation | Moderate          |
|                  |   | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                          |                           |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                  | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder            | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic     | * Lymph Node, Mandibular  |
| * Lymph Node, Mesenteric    | * Mammary Gland          | * Nose                   | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Skin                   | * Stomach, Forestomach    |
| * Stomach, Glandular        | Tooth                    | * Trachea                |                           |

OBSERVATIONS

|                            |  |                                |                     |
|----------------------------|--|--------------------------------|---------------------|
| * Adrenal Cortex           | Subcapsular  | Hyperplasia                    | Minimal             |
| * Bone                     |  | Osteoporosis                   | Mild                |
| * Bone Marrow              |  | Hyperplasia                    | Minimal             |
| * Intestine Small, Jejunum |  | Lymphoma Malignant             |                     |
|                            | [ Lymphoma Malignant TGLs = 10-14 ]                |                                |                     |
| * Kidney                   |  | Mineralization                 | Minimal             |
| * Liver                    |  | Eosinophilic Focus             |                     |
|                            |  | Erythrophagocytosis            | Minimal             |
|                            |  | Hepatocellular Adenoma         | Multiple            |
|                            |  | Hepatocellular Carcinoma       | Multiple            |
|                            |  | Hypertrophy                    | Marked              |
|                            |  | Inflammation                   | Minimal             |
|                            |  | Mixed Cell Focus               |                     |
|                            |  | Vacuolization Cytoplasmic      | Minimal             |
|                            | [ Hepatocellular Adenoma TGLs = 4-12 ]             |                                |                     |
|                            | [ Hepatocellular Carcinoma TGLs = 2,3,5-10+11+13 ] |                                |                     |
|                            | [ Hypertrophy TGLs = 1-4+10+11+12+13 ]             |                                |                     |
| * Lung                     |  | Alveolar/Bronchiolar Carcinoma |                     |
|                            |  | Infiltration Cellular          | Histiocyte, Minimal |
|                            |  | Lymphoma Malignant             |                     |
|                            | [ Alveolar/Bronchiolar Carcinoma TGLs = 9-3 ]      |                                |                     |
| * Ovary                    |  | Cyst                           | Marked              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700457

ORGAN AND ACCOUNTABLE SITE STATUS

Lymphoma Malignant

[ Cyst TGLs = 7-7 ]

\* Pancreas

Inflammation

Minimal

\* Spleen

Hematopoietic Cell Proliferation

Mild

Lymphoma Malignant

[ Lymphoma Malignant TGLs = 6-4 ]

\* Thymus

Lymphoma Malignant

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

\* Urinary Bladder

Lymphoma Malignant

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 8-7 ]

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| Blood Vessel              | * Bone                      | * Bone Marrow            | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | Tooth                    | * Trachea                  |
| * Urinary Bladder         | * Uterus                    |                          |                            |

INSUFFICIENT TISSUE

\* Thyroid Gland

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Minimal           |
| * Adrenal Medulla        |  | Hypertrophy                      | Mild              |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Erythrophagocytosis              | Minimal           |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         | Multiple          |
|                          |  | Hypertrophy                      | Moderate          |
|                          |  | Inflammation                     | Mild              |
|                          |  | Mixed Cell Focus                 |                   |
|                          |  | Tension Lipidosis                |                   |
|                          |  | Vacuolization Cytoplasmic        | Mild              |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+11+13 ] |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,5-10+13 ]              |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Mild    |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Mild              |
|                          |  | Hyperplasia                      | Lymphoid, Mild    |
| * Thymus                 |  | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | * Thymus                    | Tooth                    | * Trachea                  |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|                  |                |                                  |          |
|------------------|----------------|----------------------------------|----------|
| * Adrenal Cortex | Subcapsular    | Hyperplasia                      | Minimal  |
| * Bone Marrow    |                | Hyperplasia                      | Mild     |
| * Kidney         |                | Mineralization                   | Minimal  |
| * Liver          |                | Eosinophilic Focus               |          |
|                  |                | Hepatocellular Adenoma           | Multiple |
|                  |                | Hepatocellular Carcinoma         | Multiple |
|                  |                | Hypertrophy                      | Mild     |
|                  |                | Inflammation                     | Mild     |
|                  |                | Necrosis                         | Moderate |
|                  |                | Vacuolization Cytoplasmic        | Minimal  |
|                  |                |                                  |          |
|                  |                |                                  |          |
|                  |                |                                  |          |
|                  |                |                                  |          |
|                  |                |                                  |          |
|                  |                |                                  |          |
| * Spleen         | Lymph Follic   | Atrophy                          | Marked   |
|                  |                | Hematopoietic Cell Proliferation | Mild     |
|                  |                |                                  |          |
|                  |                |                                  |          |
|                  |                |                                  |          |
|                  |                |                                  |          |
| * Thyroid Gland  | Follicular Cel | Hypertrophy                      | Minimal  |
|                  |                | Ultimobranchial Cyst             |          |

[ Eosinophilic Focus TGLs = 6-13 ]  
 [ Hepatocellular Adenoma TGLs = 3,5,6-10+11+13 ]  
 [ Hepatocellular Carcinoma TGLs = 4-11 ]  
 [ Necrosis TGLs = 6-4+5+13 ]

[ Atrophy TGLs = 1-4 ]

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

**ANIMAL ID:** 357

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 593

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700459

**ORGAN AND ACCOUNTABLE SITE STATUS**

\* Urinary Bladder

Infiltration Cellular

Lymphoid, Minimal

\* Uterus

Dysplasia

Moderate

[ Dysplasia TGLs = 2-7 ]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

Animal Note: TGL 7 - NCL



TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 644

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

OBSERVATIONS

- |                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular                                      | Hyperplasia                      | Mild     |
| * Harderian Gland      |  | Adenoma                          |          |
| * Kidney               |  | Mineralization                   | Minimal  |
|                        |  | Nephropathy                      | Minimal  |
| * Liver                |  | Basophilic Focus                 |          |
|                        |  | Clear Cell Focus                 |          |
|                        |  | Eosinophilic Focus               |          |
|                        |  | Hepatocellular Adenoma           | Multiple |
|                        |  | Hepatocellular Carcinoma         |          |
|                        |  | Hypertrophy                      | Moderate |
|                        |  | Inflammation                     | Minimal  |
|                        |  | Mixed Cell Focus                 |          |
|                        |  | Necrosis                         | Minimal  |
|                        |  | Vacuolization Cytoplasmic        | Mild     |
|                        | [ Hepatocellular Adenoma TGLs = 1,4,5-10+13+14 ] |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 2-11 ]         |                                  |          |
|                        | [ Mixed Cell Focus TGLs = 3-12 ]                 |                                  |          |
| * Nose                 |  | Inflammation                     | Moderate |
| * Spleen               |  | Hematopoietic Cell Proliferation | Minimal  |
| * Stomach, Forestomach | Epithelium                                       | Hyperkeratosis                   | Moderate |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 358

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 644

**DOSE:** 2000 mg/kg

**DISP:** Moribund Sacrifice

**HISTO:** 0700460

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney                  | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | Tooth                       | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

|                      |   |                                  |                   |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia                      | Mild              |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal           |
| * Liver              |   | Basophilic Focus                 |                   |
|                      |   | Eosinophilic Focus               |                   |
|                      |   | Erythrophagocytosis              | Minimal           |
|                      |   | Hepatocellular Adenoma           | Multiple          |
|                      |   | Hepatocellular Carcinoma         |                   |
|                      |   | Hypertrophy                      | Marked            |
|                      |   | Inflammation                     | Mild              |
|                      |   | Vacuolization Cytoplasmic        | Moderate          |
|                      | [ Eosinophilic Focus TGLs = 4-13 ]                    |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13+14 ] |                                  |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 1-10 ]              |                                  |                   |
| * Nose               | Respirat Epith<br>Glands                              | Hyperplasia                      | Minimal           |
|                      |   | Metaplasia                       | Minimal           |
| * Ovary              |   | Cyst                             | Marked            |
|                      | [ Cyst TGLs = 6-7 ]                                   |                                  |                   |
| * Spleen             |   | Hematopoietic Cell Proliferation | Mild              |
|                      |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland      | Follicular Cel  | Hypertrophy                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 359

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700461

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 619

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Glandular     | * Thymus                   | * Thyroid Gland           |
| Tooth                       | * Trachea                | * Urinary Bladder          | * Uterus                  |

OBSERVATIONS

|                        |   |                                  |                    |
|------------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex       | Subcapsular                                   | Hyperplasia                      | Minimal            |
| * Bone Marrow          |   | Hyperplasia                      | Moderate           |
| * Harderian Gland      |   | Hyperplasia                      | Mild               |
| * Kidney               |   | Mineralization                   | Minimal            |
| * Liver                |   | Hepatocellular Adenoma           |                    |
|                        |   | Hepatocellular Carcinoma         | Multiple           |
|                        |   | Necrosis                         | Mild               |
|                        | [ Hepatocellular Adenoma TGLs = 3-12 ]        |                                  |                    |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                                  |                    |
| * Lung                 |   | Hepatocellular Carcinoma         | Metastatic (Liver) |
| * Nose                 | Olfactory Epi                                 | Accumulation, Hyaline Droplet    | Moderate           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked             |
| * Stomach, Forestomach | Epithelium                                    | Hyperkeratosis                   | Moderate           |
|                        | Epithelium                                    | Hyperplasia                      | Moderate           |
|                        |   | Inflammation                     | Moderate           |
|                        | Epithelium                                    | Ulcer                            | Moderate           |
|                        | [ Ulcer TGLs = 4-13 ]                         |                                  |                    |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone Marrow              | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

|                   |  |                               |                   |
|-------------------|--|-------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                   | Mild              |
| * Bone            |  | Osteoporosis                  | Moderate          |
| * Harderian Gland |  | Adenoma                       |                   |
|                   | [ Adenoma TGLs = 7-9 ]                                     |                               |                   |
| * Kidney          |  | Infiltration Cellular         | Lymphoid, Minimal |
| * Liver           |  | Basophilic Focus              |                   |
|                   |  | Eosinophilic Focus            |                   |
|                   |  | Erythrophagocytosis           | Minimal           |
|                   |  | Hepatocellular Adenoma        | Multiple          |
|                   |  | Hepatocellular Carcinoma      |                   |
|                   |  | Hypertrophy                   | Moderate          |
|                   |  | Inflammation                  | Mild              |
|                   |  | Mixed Cell Focus              |                   |
|                   |  | Vacuolization Cytoplasmic     | Mild              |
|                   | [ Eosinophilic Focus TGLs = 6-15 ]                         |                               |                   |
|                   | [ Hepatocellular Adenoma TGLs = 1,2,4,5,6-10+11+13+14+15 ] |                               |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 3-12 ]                   |                               |                   |
|                   | [ Mixed Cell Focus TGLs = 6-15 ]                           |                               |                   |
| * Nose            | Olfactory Epi  | Accumulation, Hyaline Droplet | Mild              |
|                   | Respirat Epith   | Hyperplasia                   | Minimal           |
| * Ovary           |  | Cyst                          | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700463

ORGAN AND ACCOUNTABLE SITE STATUS

|                            |                |                                  |                   |
|----------------------------|----------------|----------------------------------|-------------------|
| * Spleen                   |                | Hematopoietic Cell Proliferation | Moderate          |
|                            |                | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach     | Epithelium     | Hyperkeratosis                   | Mild              |
|                            | Epithelium     | Hyperplasia                      | Moderate          |
|                            |                | Inflammation                     | Mild              |
| * Stomach, Glandular       | Epithelium     | Hyperplasia                      | Minimal           |
| * Thyroid Gland            | Follicular Cel | Hypertrophy                      | Minimal           |
| * Uterus                   | Endometrium    | Hyperplasia                      | Cystic, Marked    |
| [ Hyperplasia TGLs = 8-7 ] |                |                                  |                   |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Salivary Glands         | * Skin                      | * Stomach, Glandular     |
| * Thyroid Gland            | Tooth                     | * Trachea                   | * Urinary Bladder        |

OBSERVATIONS

|                        |   |                                  |                   |
|------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular                                 | Hyperplasia                      | Mild              |
| * Liver                |   | Eosinophilic Focus               |                   |
|                        |   | Hepatocellular Adenoma           | Multiple          |
|                        |   | Hypertrophy                      | Marked            |
|                        |   | Inflammation                     | Mild              |
|                        |   | Vacuolization Cytoplasmic        | Marked            |
|                        | [ Hepatocellular Adenoma TGLs = 1,2-10+11 ] |                                  |                   |
| * Lung                 | Arteriole                                   | Hyperplasia                      | Mild              |
|                        |   | Inflammation                     | Mild              |
| Lymph Node             | Bronchial                                   | Hyperplasia                      | Lymphoid, Mild    |
| * Nose                 | Olfactory Epi                               | Accumulation, Hyaline Droplet    | Minimal           |
| * Pituitary Gland      | Pars Distalis                               | Hyperplasia                      | Minimal           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate          |
| * Stomach, Forestomach | Epithelium                                  | Hyperplasia                      | Mild              |
|                        |   | Inflammation                     | Minimal           |
| * Thymus               |   | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus               | Endometrium                                 | Hyperplasia                      | Cystic, Marked    |
|                        | [ Hyperplasia TGLs = 3-7 ]                  |                                  |                   |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Stomach, Glandular      |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                        |  |                                  |                   |
|------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Mild              |
| * Bone Marrow          |  | Hyperplasia                      | Minimal           |
| * Harderian Gland      |  | Adenoma                          |                   |
|                        |  | Carcinoma                        |                   |
|                        | [ Carcinoma TGLs = 6-9 ]                           |                                  |                   |
| * Liver                |  | Eosinophilic Focus               |                   |
|                        |  | Hepatocellular Adenoma           | Multiple          |
|                        |  | Hepatocellular Carcinoma         | Multiple          |
|                        |  | Hypertrophy                      | Mild              |
|                        |  | Inflammation                     | Minimal           |
|                        |  | Mixed Cell Focus                 |                   |
|                        | [ Hepatocellular Adenoma TGLs = 3,5-12+14 ]        |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,4-10+11+13 ] |                                  |                   |
| * Nose                 | Olfactory Epi<br>Glands                            | Accumulation, Hyaline Droplet    | Mild              |
|                        |  | Metaplasia                       | Minimal           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate          |
|                        |  | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Mild              |
|                        | Epithelium   | Hyperplasia                      | Moderate          |
|                        |  | Inflammation                     | Mild              |
| * Thymus               |  | Hyperplasia                      | Lymphoid, Mild    |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 363

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700465

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

Follicle

Cyst

\* Uterus

Follicular Cel

Hypertrophy

Minimal

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700466

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mesenteric    | * Mammary Gland          | * Pancreas                 | * Pituitary Gland         |
| * Salivary Glands           | * Skin                   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

**MISSING**

- \* Parathyroid Gland

**OBSERVATIONS**

- |                          |   |                               |                   |
|--------------------------|---|-------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                   | Minimal           |
| * Bone                   |   | Osteoporosis                  | Minimal           |
| * Bone Marrow            |   | Hyperplasia                   | Minimal           |
| * Islets, Pancreatic     |   | Hyperplasia                   | Minimal           |
| * Kidney                 |   | Nephropathy                   | Minimal           |
| * Liver                  |   | Clear Cell Focus              |                   |
|                          |   | Eosinophilic Focus            |                   |
|                          |   | Erythrophagocytosis           | Minimal           |
|                          |   | Hepatocellular Adenoma        | Multiple          |
|                          |   | Hepatocellular Carcinoma      | Multiple          |
|                          |   | Hypertrophy                   | Moderate          |
|                          |   | Inflammation                  | Minimal           |
|                          |   | Mixed Cell Focus              |                   |
|                          |   | Vacuolization Cytoplasmic     | Moderate          |
|                          | [ Eosinophilic Focus TGLs = 6,7-15+16 ]               |                               |                   |
|                          | [ Hepatocellular Adenoma TGLs = 4,5,6,7-13+14+15+16 ] |                               |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12 ]    |                               |                   |
|                          | [ Mixed Cell Focus TGLs = 7-16 ]                      |                               |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                   | Lymphoid, Minimal |
| * Nose                   | Olfactory Epi   | Accumulation, Hyaline Droplet | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700466

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                             |                                  |                   |
|------------------------|-----------------------------|----------------------------------|-------------------|
|                        | Olfactory Epi               | Pigmentation                     | Minimal           |
| * Ovary                |                             | Cyst                             | Minimal           |
| * Spleen               |                             | Hematopoietic Cell Proliferation | Moderate          |
|                        |                             | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate          |
|                        | Epithelium                  | Hyperplasia                      | Moderate          |
|                        |                             | Inflammation                     | Mild              |
|                        | [ Hyperplasia TGLs = 8-17 ] |                                  |                   |
| * Thyroid Gland        | Follicular Cel              | Hypertrophy                      | Minimal           |
| * Uterus               | Endometrium                 | Hyperplasia                      | Cystic, Mild      |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 693

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Nose                   | * Ovary                    | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | Tooth                     |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                           |

OBSERVATIONS

|                  |   |                                  |          |
|------------------|---|----------------------------------|----------|
| * Adrenal Cortex | Subcapsular                                   | Hyperplasia                      | Minimal  |
| * Bone Marrow    |   | Hyperplasia                      | Minimal  |
| * Heart          |   | Cardiomyopathy                   | Minimal  |
| * Liver          |   | Clear Cell Focus                 |          |
|                  |   | Eosinophilic Focus               |          |
|                  |   | Hepatoblastoma                   |          |
|                  |   | Hepatocellular Adenoma           | Multiple |
|                  |   | Hepatocellular Carcinoma         | Multiple |
|                  |   | Hypertrophy                      | Moderate |
|                  |   | Mixed Cell Focus                 |          |
|                  |   | Vacuolization Cytoplasmic        | Minimal  |
|                  | [ Hepatoblastoma TGLs = 2-11 ]                |                                  |          |
|                  | [ Hepatocellular Adenoma TGLs = 1,3-10+12 ]   |                                  |          |
|                  | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                                  |          |
| * Spleen         |   | Hematopoietic Cell Proliferation | Mild     |
| * Thyroid Gland  | Follicular Cel                                | Hypertrophy                      | Minimal  |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 698

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Uterus                   |

OBSERVATIONS

|                        |   |                                  |                   |
|------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular                                   | Hyperplasia                      | Mild              |
| * Bone Marrow          |   | Hyperplasia                      | Moderate          |
| * Liver                |   | Eosinophilic Focus               |                   |
|                        |   | Hepatoblastoma                   | Multiple          |
|                        |   | Hepatocellular Adenoma           | Multiple          |
|                        |   | Hepatocellular Carcinoma         | Multiple          |
|                        |   | Inflammation                     | Mild              |
|                        | [ Hepatoblastoma TGLs = 3,4-12+13 ]           |                                  |                   |
|                        | [ Hepatocellular Adenoma TGLs = 5-14 ]        |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                                  |                   |
| * Lung                 |   | Inflammation                     | Mild              |
| * Nose                 | Respirat Epith                                | Hyperplasia                      | Minimal           |
|                        |   | Inflammation                     | Minimal           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Marked            |
| * Stomach, Forestomach | Epithelium                                    | Hyperkeratosis                   | Marked            |
|                        | Epithelium                                    | Hyperplasia                      | Moderate          |
|                        |   | Inflammation                     | Mild              |
|                        | [ Hyperplasia TGLs = 6-15 ]                   |                                  |                   |
| * Thyroid Gland        | Follicular Cel                                | Hypertrophy                      | Minimal           |
| * Urinary Bladder      |   | Infiltration Cellular            | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Heart                     |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Salivary Glands           |
| * Skin                   | * Stomach, Glandular       | Tooth                     | * Trachea                   |
| * Urinary Bladder        |                            |                           |                             |

OBSERVATIONS

|                        |   |                                  |                   |
|------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Minimal           |
| * Bone                 |   | Osteoporosis                     | Minimal           |
| * Bone Marrow          |   | Hyperplasia                      | Mild              |
| * Harderian Gland      |   | Adenoma                          |                   |
| * Kidney               |   | Mineralization                   | Minimal           |
| * Liver                |   | Eosinophilic Focus               |                   |
|                        |   | Hepatocellular Adenoma           | Multiple          |
|                        |   | Hepatocellular Carcinoma         | Multiple          |
|                        |   | Hypertrophy                      | Moderate          |
|                        |   | Inflammation                     | Mild              |
|                        |   | Mixed Cell Focus                 |                   |
|                        | [ Hepatocellular Adenoma TGLs = 5-14 ]                  |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                   |
| * Pituitary Gland      | Pars Distalis   | Hyperplasia                      | Mild              |
| * Spleen               |   | Hematopoietic Cell Proliferation | Moderate          |
|                        |   | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis                   | Moderate          |
|                        | Epithelium  | Hyperplasia                      | Marked            |
|                        |   | Inflammation                     | Mild              |
|                        | [ Hyperplasia TGLs = 6-15 ]                             |                                  |                   |
| * Thymus               |   | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 367

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700469

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

---



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 498

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Thymus                  | * Thyroid Gland             | Tooth                    | * Trachea                  |
| * Urinary Bladder         |                             |                          |                            |

MISSING

\* Parathyroid Gland

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                            | Hyperplasia                      | Minimal           |
| * Bone Marrow    |  | Hyperplasia                      | Mild              |
| * Liver          |  | Eosinophilic Focus               |                   |
|                  |  | Hepatocellular Adenoma           |                   |
|                  |  | Hypertrophy                      | Marked            |
|                  |  | Inflammation                     | Minimal           |
|                  |  | Mixed Cell Focus                 |                   |
|                  |  | Vacuolization Cytoplasmic        | Minimal           |
|                  | [ Eosinophilic Focus TGLs = 2-11 ]     |                                  |                   |
|                  | [ Hepatocellular Adenoma TGLs = 1-10 ] |                                  |                   |
| * Lung           |  | Metaplasia                       | Osseous, Minimal  |
| * Nose           | Olfactory Epi                          | Atrophy                          | Mild              |
|                  |  | Inflammation                     | Moderate          |
| * Spleen         |  | Hematopoietic Cell Proliferation | Mild              |
|                  |  | Hyperplasia                      | Lymphoid, Minimal |
| * Uterus         | Endometrium                            | Hyperplasia                      | Cystic, Minimal   |

PRIMARY CAUSE OF DEATH - Liver Hypertrophy

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| Tooth                      | * Trachea                 | * Urinary Bladder           |                          |

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular  | Hyperplasia                      | Minimal           |
| * Liver          |  | Basophilic Focus                 |                   |
|                  |  | Eosinophilic Focus               |                   |
|                  |  | Erythrophagocytosis              | Minimal           |
|                  |  | Hepatocellular Adenoma           | Multiple          |
|                  |  | Hepatocellular Carcinoma         | Multiple          |
|                  |  | Hypertrophy                      | Mild              |
|                  |  | Inflammation                     | Minimal           |
|                  |  | Mixed Cell Focus                 |                   |
|                  |  | Vacuolization Cytoplasmic        | Marked            |
|                  | [ Basophilic Focus TGLs = 6,7-15+16 ]              |                                  |                   |
|                  | [ Eosinophilic Focus TGLs = 6-15 ]                 |                                  |                   |
|                  | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ]   |                                  |                   |
|                  | [ Hepatocellular Carcinoma TGLs = 1,2,6-10+11+15 ] |                                  |                   |
|                  | [ Mixed Cell Focus TGLs = 6-15 ]                   |                                  |                   |
| * Nose           | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Minimal           |
|                  | Respirat Epith                                     | Hyperplasia                      | Minimal           |
| * Spleen         |  | Hematopoietic Cell Proliferation | Mild              |
|                  |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland  | Follicular Cel                                     | Hypertrophy                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 369

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700471

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

[ Hyperplasia TGLs = 8-7 ]

Endometrium

Hyperplasia

Cystic, Moderate

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Parathyroid Gland         | * Salivary Glands        | * Skin                     |
| * Stomach, Glandular      | * Thymus                    | Tooth                    | * Trachea                  |

OBSERVATIONS

|                   |               |   |          |
|-------------------|---------------|---|----------|
| * Adrenal Cortex  |               | Fibrous Histiocytoma                                    |          |
|                   | Subcapsular   | Hyperplasia   | Minimal  |
| * Bone Marrow     |               | Hyperplasia   | Moderate |
| * Kidney          | Pelvis        | Dilatation  | Moderate |
| * Liver           |               | Fibrous Histiocytoma                                    |          |
|                   |               | Basophilic Focus  |          |
|                   |               | Eosinophilic Focus                                      |          |
|                   |               | Fatty Change  | Focal    |
|                   |               | Fibrous Histiocytoma                                    |          |
|                   |               | Hepatocellular Adenoma                                  | Multiple |
|                   |               | Hepatocellular Carcinoma                                | Multiple |
|                   |               | Inflammation  | Minimal  |
|                   |               | Vacuolization Cytoplasmic                               | Minimal  |
|                   |               | [ Fibrous Histiocytoma TGLs = 3-12 ]                    |          |
|                   |               | [ Hepatocellular Adenoma TGLs = 4-13 ]                  |          |
|                   |               | [ Hepatocellular Carcinoma TGLs = 1,2,5,6-10+11+14+15 ] |          |
| * Nose            | Olfactory Epi | Accumulation, Hyaline Droplet                           | Mild     |
| * Ovary           |               | Fibrous Histiocytoma                                    |          |
| * Pancreas        |               | Fibrous Histiocytoma                                    |          |
|                   |               | [ Fibrous Histiocytoma TGLs = 7-16 ]                    |          |
| * Pituitary Gland | Pars Distalis | Hyperplasia   | Minimal  |
| * Spleen          |               | Hematopoietic Cell Proliferation                        | Moderate |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700472

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |                |                      |                 |
|------------------------|----------------|----------------------|-----------------|
| * Stomach, Forestomach | Epithelium     | Hyperplasia          | Lymphoid, Mild  |
|                        | Epithelium     | Hyperkeratosis       | Mild            |
|                        |                | Hyperplasia          | Moderate        |
|                        |                | Inflammation         | Mild            |
| * Thyroid Gland        | Follicular Cel | Hypertrophy          | Minimal         |
| * Urinary Bladder      |                | Fibrous Histiocytoma |                 |
| * Uterus               | Endometrium    | Hyperplasia          | Cystic, Minimal |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 699

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700473

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Glandular       |
| * Thymus                  | Tooth                       | * Trachea                | * Uterus                   |

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular   | Hyperplasia                      | Minimal           |
| * Bone Marrow            |   | Hyperplasia                      | Moderate          |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Hepatocellular Carcinoma         | Multiple          |
|                          |   | Inflammation                     | Minimal           |
|                          |   | Mixed Cell Focus                 |                   |
|                          |   | Necrosis                         | Moderate          |
|                          | [ Hepatocellular Adenoma TGLs = 5-14 ]                  |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12+13 ] |                                  |                   |
| * Lymph Node, Mandibular |   | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Olfactory Epi   | Accumulation, Hyaline Droplet    | Mild              |
|                          | Olfactory Epi   | Pigmentation                     | Minimal           |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Moderate          |
| * Stomach, Forestomach   | Epithelium  | Hyperkeratosis                   | Marked            |
|                          | Epithelium  | Hyperplasia                      | Moderate          |
|                          |   | Inflammation                     | Mild              |
|                          | Epithelium  | Ulcer                            | Moderate          |
|                          | [ Hyperplasia TGLs = 6-15 ]                             |                                  |                   |
|                          | [ Ulcer TGLs = 6-15 ]                                   |                                  |                   |
| * Thyroid Gland          | Follicular Cel  | Hypertrophy                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 371

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 699

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700473

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Urinary Bladder

Infiltration Cellular

Lymphoid, Minimal

---

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            |
| * Nose                    | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular  | Hyperplasia                      | Mild              |
| * Bone Marrow     |  | Hyperplasia                      | Minimal           |
| * Kidney          |  | Nephropathy                      | Minimal           |
| * Liver           |  | Basophilic Focus                 |                   |
|                   |  | Eosinophilic Focus               |                   |
|                   |  | Erythrophagocytosis              | Minimal           |
|                   |  | Hepatocellular Adenoma           | Multiple          |
|                   |  | Hepatocellular Carcinoma         |                   |
|                   |  | Hypertrophy                      | Mild              |
|                   |  | Inflammation                     | Minimal           |
|                   |  | Mixed Cell Focus                 |                   |
|                   |  | Vacuolization Cytoplasmic        | Moderate          |
|                   | [ Hepatocellular Adenoma TGLs = 1,2,4,5,6-10+11+13+14+15 ] |                                  |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 3-12 ]                   |                                  |                   |
| * Lung            | Arteriole  | Hyperplasia                      | Mild              |
|                   |  | Inflammation                     | Mild              |
| * Pituitary Gland | Pars Distalis  | Hyperplasia                      | Mild              |
| * Spleen          |  | Hematopoietic Cell Proliferation | Mild              |
|                   |  | Hyperplasia                      | Lymphoid, Mild    |
| * Thymus          |  | Angiectasis                      | Mild              |
|                   |  | Hyperplasia                      | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE



**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

---

**ANIMAL ID:** 372

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700474

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 672

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Mammary Gland          | * Nose                     | * Ovary                   |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thyroid Gland            | Tooth                     |
| * Trachea                   |                          |                            |                           |

OBSERVATIONS

|                          |   |                                  |                   |
|--------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex         |   | Hematopoietic Cell Proliferation | Mild              |
|                          | Subcapsular   | Hyperplasia                      | Mild              |
| * Bone Marrow            |   | Hyperplasia                      | Mild              |
| * Harderian Gland        |   | Infiltration Cellular            | Lymphoid, Minimal |
| * Kidney                 |   | Cyst                             | Minimal           |
|                          |   | Glomerulopathy                   | Moderate          |
| * Liver                  |   | Eosinophilic Focus               |                   |
|                          |   | Hepatocellular Adenoma           | Multiple          |
|                          |   | Hypertrophy                      | Marked            |
|                          |   | Lymphoma Malignant               |                   |
|                          |   | Vacuolization Cytoplasmic        | Minimal           |
|                          | [ Eosinophilic Focus TGLs = 3-11 ]                    |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 2,4,5,6-10+12+13+14 ] |                                  |                   |
|                          | [ Lymphoma Malignant TGLs = 1-3+4+10+11+12+13+14 ]    |                                  |                   |
| * Lymph Node, Mandibular |   | Lymphoma Malignant               |                   |
| * Lymph Node, Mesenteric |   | Lymphoma Malignant               |                   |
| * Salivary Glands        |   | Lymphoma Malignant               |                   |
| * Spleen                 |   | Hematopoietic Cell Proliferation | Mild              |
|                          |   | Lymphoma Malignant               |                   |
| * Thymus                 |   | Lymphoma Malignant               |                   |
| * Urinary Bladder        |   | Lymphoma Malignant               |                   |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 373

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 672

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700475

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             | Tooth                    |
| * Trachea                  | * Urinary Bladder         |                             |                          |

OBSERVATIONS

|                  |               |                                  |                   |
|------------------|---------------|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular   | Hyperplasia                      | Mild              |
| * Liver          |               | Erythrophagocytosis              | Minimal           |
|                  |               | Hypertrophy                      | Marked            |
|                  |               | Inflammation                     | Mild              |
|                  |               | Vacuolization Cytoplasmic        | Moderate          |
| * Nose           | Olfactory Epi | Pigmentation                     | Minimal           |
| * Ovary          |               | Cyst                             | Mild              |
| * Spleen         |               | Hematopoietic Cell Proliferation | Moderate          |
|                  |               | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus         |               | Hyperplasia                      | Lymphoid, Mild    |
| * Uterus         | Endometrium   | Hyperplasia                      | Cystic, Minimal   |

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 656

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mandibular    | * Mammary Gland          | * Nose                     |
| * Ovary                   | * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          |
| * Salivary Glands         | * Skin                      | * Stomach, Glandular     | Tooth                      |
| * Trachea                 | * Urinary Bladder           |                          |                            |

OBSERVATIONS

|                          |  |                                  |                    |
|--------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex         |  | Hematopoietic Cell Proliferation | Minimal            |
|                          | Subcapsular                              | Hyperplasia                      | Minimal            |
| * Bone Marrow            |  | Hyperplasia                      | Mild               |
| * Kidney                 |  | Mineralization                   | Minimal            |
| * Liver                  |  | Hematopoietic Cell Proliferation | Mild               |
|                          |  | Hepatocellular Adenoma           |                    |
|                          |  | Hepatocellular Carcinoma         |                    |
|                          |  | Histiocytic Sarcoma              |                    |
|                          |  | Necrosis                         | Mild               |
|                          | [ Hepatocellular Adenoma TGLs = 3-11 ]   |                                  |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 2-10 ] |                                  |                    |
|                          | [ Histiocytic Sarcoma TGLs = 4-12 ]      |                                  |                    |
| * Lung                   |  | Hepatocellular Carcinoma         | Metastatic (Liver) |
|                          |  | Histiocytic Sarcoma              |                    |
| Lymph Node               | Iliac                                    | Histiocytic Sarcoma              |                    |
|                          | Renal                                    | Histiocytic Sarcoma              |                    |
|                          | [ Histiocytic Sarcoma TGLs = 6-14 ]      |                                  |                    |
|                          | [ Histiocytic Sarcoma TGLs = 7-15 ]      |                                  |                    |
| * Lymph Node, Mesenteric |  | Histiocytic Sarcoma              |                    |
|                          | [ Histiocytic Sarcoma TGLs = 5-13 ]      |                                  |                    |
| Mesentery                |  | Histiocytic Sarcoma              |                    |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 375

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 656

**DOSE:** 2000 mg/kg

**DISP:** Natural Death

**HISTO:** 0700477

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                        |                             |                                  |                 |
|------------------------|-----------------------------|----------------------------------|-----------------|
| * Spleen               |                             | Hematopoietic Cell Proliferation | Marked          |
| * Stomach, Forestomach | Epithelium                  | Hyperkeratosis                   | Moderate        |
|                        | Epithelium                  | Hyperplasia                      | Marked          |
|                        |                             | Inflammation                     | Moderate        |
|                        | Epithelium                  | Ulcer                            | Moderate        |
|                        | [ Hyperplasia TGLs = 8-16 ] |                                  |                 |
|                        | [ Ulcer TGLs = 8-16 ]       |                                  |                 |
| * Thymus               |                             | Histiocytic Sarcoma              |                 |
| * Thyroid Gland        | Follicular Cel              | Hypertrophy                      | Minimal         |
| * Uterus               | Endometrium                 | Hyperplasia                      | Cystic, Minimal |

**PRIMARY CAUSE OF DEATH** - Liver Histiocytic Sarcoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Gallbladder               |
| * Heart                  | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Thymus                    |
| Tooth                    | * Trachea                  | * Urinary Bladder         | * Uterus                    |

OBSERVATIONS

|                          |   |                           |                    |
|--------------------------|---|---------------------------|--------------------|
| * Adrenal Cortex         | Subcapsular                                   | Hyperplasia               | Mild               |
| * Bone Marrow            |   | Hyperplasia               | Minimal            |
| * Harderian Gland        |   | Hyperplasia               | Mild               |
| * Intestine Large, Cecum |   | Hyperplasia               | Lymphoid, Mild     |
| * Liver                  |   | Eosinophilic Focus        |                    |
|                          |   | Hepatocellular Adenoma    | Multiple           |
|                          |   | Hepatocellular Carcinoma  | Multiple           |
|                          |   | Hypertrophy               | Moderate           |
|                          |   | Mixed Cell Focus          |                    |
|                          |   | Necrosis                  | Minimal            |
|                          |   | Vacuolization Cytoplasmic | Mild               |
|                          | [ Hepatocellular Adenoma TGLs = 3,5-12+14 ]   |                           |                    |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ] |                           |                    |
|                          | [ Mixed Cell Focus TGLs = 4-13 ]              |                           |                    |
| * Lung                   |   | Hepatocellular Carcinoma  | Metastatic (Liver) |
|                          | Arteriole                                     | Hyperplasia               | Mild               |
|                          |   | Inflammation              | Mild               |
|                          | Smooth Muscle                                 | Proliferation             | Moderate           |
| Lymph Node               | Inguinal                                      | Hyperplasia               | Lymphoid, Minimal  |
| * Nose                   | Respirat Epith                                | Hyperplasia               | Minimal            |
| * Ovary                  |   | Cyst                      | Moderate           |
| * Pancreas               |   | Atrophy                   | Mild               |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

**ANIMAL ID:** 376

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700478

**ORGAN AND ACCOUNTABLE SITE STATUS**

|                             |                |                                  |          |
|-----------------------------|----------------|----------------------------------|----------|
|                             | Duct           | Cyst                             | Marked   |
| [ Cyst TGLs = 6-15 ]        |                |                                  |          |
| * Spleen                    |                | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach      | Epithelium     | Hyperkeratosis                   | Moderate |
|                             | Epithelium     | Hyperplasia                      | Marked   |
|                             |                | Inflammation                     | Moderate |
|                             | Epithelium     | Ulcer                            | Mild     |
| [ Hyperplasia TGLs = 7-16 ] |                |                                  |          |
| [ Ulcer TGLs = 7-16 ]       |                |                                  |          |
| * Stomach, Glandular        | Epithelium     | Hyperplasia                      | Mild     |
| * Thyroid Gland             | Follicular Cel | Hypertrophy                      | Minimal  |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           |                          |                            |                           |

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                              | Hyperplasia                      | Mild              |
| * Bone           |  | Osteoporosis                     | Minimal           |
| * Bone Marrow    |  | Hyperplasia                      | Minimal           |
| * Liver          |  | Eosinophilic Focus               |                   |
|                  |  | Hepatocellular Adenoma           |                   |
|                  |  | Hepatocellular Carcinoma         |                   |
|                  |  | Hypertrophy                      | Minimal           |
|                  |  | Inflammation                     | Minimal           |
|                  |  | Vacuolization Cytoplasmic        | Moderate          |
|                  | [ Eosinophilic Focus TGLs = 2-11 ]       |                                  |                   |
|                  | [ Hepatocellular Carcinoma TGLs = 1-10 ] |                                  |                   |
| * Nose           | Olfactory Epi                            | Accumulation, Hyaline Droplet    | Minimal           |
|                  | Respirat Epith                           | Hyperplasia                      | Minimal           |
|                  | Olfactory Epi                            | Pigmentation                     | Minimal           |
| * Spleen         |  | Hematopoietic Cell Proliferation | Mild              |
|                  |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland  | Follicular Cel                           | Hypertrophy                      | Minimal           |
| * Uterus         | Endometrium                              | Hyperplasia                      | Cystic, Marked    |
|                  | [ Hyperplasia TGLs = 3-7 ]               |                                  |                   |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700480

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney                  |
| * Lung                      | * Lymph Node, Mesenteric | * Mammary Gland            | * Pancreas                |
| * Parathyroid Gland         | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           | * Uterus                 |                            |                           |

MISSING

\* Gallbladder

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                      | Mild              |
| * Bone Marrow            |  | Hyperplasia                      | Mild              |
| * Islets, Pancreatic     |  | Hyperplasia                      | Minimal           |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Erythrophagocytosis              | Minimal           |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         | Multiple          |
|                          |  | Hypertrophy                      | Moderate          |
|                          |  | Vacuolization Cytoplasmic        | Moderate          |
|                          | [ Hepatocellular Adenoma TGLs = 4,5-13+14 ]        |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12 ] |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Minimal |
| * Nose                   | Olfactory Epi                                      | Accumulation, Hyaline Droplet    | Minimal           |
|                          | Olfactory Epi                                      | Pigmentation                     | Minimal           |
| * Ovary                  |  | Hemangioma                       |                   |
| * Pituitary Gland        | Pars Distalis                                      | Hyperplasia                      | Minimal           |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Moderate          |
|                          |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland          | Follicular Cel                                     | Hypertrophy                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Brain                  |
| * Clitoral Gland           | * Esophagus               | * Gallbladder               | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        |
| * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| Tooth                      | * Trachea                 | * Uterus                    |                          |

OBSERVATIONS

|                          |  |                                  |                   |
|--------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex         | Subcapsular                                      | Hyperplasia                      | Mild              |
| * Bone Marrow            |  | Hyperplasia                      | Mild              |
| * Eye                    | Antr Chamber                                     | Inflammation                     | Moderate          |
|                          | Cornea   | Inflammation                     | Mild              |
|                          | [ Inflammation TGLs = 6-9 ]                      |                                  |                   |
| * Harderian Gland        |  | Adenoma                          |                   |
|                          | [ Adenoma TGLs = 7-9 ]                           |                                  |                   |
| * Heart                  |  | Cardiomyopathy                   | Minimal           |
| * Liver                  |  | Eosinophilic Focus               |                   |
|                          |  | Hepatoblastoma                   |                   |
|                          |  | Hepatocellular Adenoma           | Multiple          |
|                          |  | Hepatocellular Carcinoma         | Multiple          |
|                          |  | Inflammation                     | Mild              |
|                          | [ Hepatoblastoma TGLs = 3-12 ]                   |                                  |                   |
|                          | [ Hepatocellular Adenoma TGLs = 1,2,5-10+11+14 ] |                                  |                   |
|                          | [ Hepatocellular Carcinoma TGLs = 4,5-13+14 ]    |                                  |                   |
| * Lymph Node, Mandibular |  | Hyperplasia                      | Lymphoid, Mild    |
| * Spleen                 |  | Hematopoietic Cell Proliferation | Mild              |
| * Thyroid Gland          | C Cell   | Hyperplasia                      | Minimal           |
|                          | Follicular Cel                                   | Hypertrophy                      | Minimal           |
| * Urinary Bladder        |  | Infiltration Cellular            | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Nose                    |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                      |   |                                  |          |
|----------------------|---|----------------------------------|----------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia                      | Mild     |
| * Bone Marrow        |   | Hyperplasia                      | Mild     |
| * Harderian Gland    |   | Adenoma                          |          |
|                      | [ Adenoma TGLs = 7-9 ]                                  |                                  |          |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal  |
| * Kidney             |   | Nephropathy                      | Minimal  |
| * Liver              |   | Basophilic Focus                 |          |
|                      |   | Clear Cell Focus                 |          |
|                      |   | Eosinophilic Focus               |          |
|                      |   | Erythrophagocytosis              | Minimal  |
|                      |   | Hepatoblastoma                   |          |
|                      |   | Hepatocellular Adenoma           | Multiple |
|                      |   | Hepatocellular Carcinoma         | Multiple |
|                      |   | Hypertrophy                      | Minimal  |
|                      |   | Inflammation                     | Minimal  |
|                      |   | Vacuolization Cytoplasmic        | Mild     |
|                      | [ Hepatoblastoma TGLs = 3-12 ]                          |                                  |          |
|                      | [ Hepatocellular Adenoma TGLs = 4,6-13+15 ]             |                                  |          |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2,3,5-10+11+12+14 ] |                                  |          |
| * Ovary              |   | Cyst                             | Mild     |
| * Spleen             |   | Hematopoietic Cell Proliferation | Mild     |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 380

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700482

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                 |                |                            |                              |
|-----------------|----------------|----------------------------|------------------------------|
| * Thyroid Gland | Follicular Cel | Hyperplasia<br>Hypertrophy | Lymphoid, Minimal<br>Minimal |
| * Uterus        | Endometrium    | Hyperplasia                | Cystic, Mild                 |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Stomach, Glandular       | Tooth                     | * Trachea                   |                          |

OBSERVATIONS

|                        |  |                                  |                    |
|------------------------|--|----------------------------------|--------------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal            |
| * Liver                |  | Eosinophilic Focus               |                    |
|                        |  | Hepatocellular Adenoma           | Multiple           |
|                        |  | Hepatocellular Carcinoma         |                    |
|                        |  | Hypertrophy                      | Marked             |
|                        |  | Inflammation                     | Mild               |
|                        |  | Mixed Cell Focus                 |                    |
|                        |  | Vacuolization Cytoplasmic        | Moderate           |
|                        | [ Eosinophilic Focus TGLs = 2,3-11 ]               |                                  |                    |
|                        | [ Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+14 ] |                                  |                    |
|                        | [ Hepatocellular Carcinoma TGLs = 1-10 ]           |                                  |                    |
|                        | [ Mixed Cell Focus TGLs = 4-13 ]                   |                                  |                    |
| * Lung                 |  | Alveolar/Bronchiolar Adenoma     |                    |
|                        | [ Alveolar/Bronchiolar Adenoma TGLs = 6-15 ]       |                                  |                    |
| Mesentery              | Fat  | Necrosis                         | Marked             |
| * Ovary                |  | Cyst                             | Moderate           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate           |
|                        |  | Hyperplasia                      | Lymphoid, Moderate |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Minimal            |
|                        | Epithelium   | Hyperplasia                      | Mild               |
| * Thymus               |  | Hyperplasia                      | Lymphoid, Mild     |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 381

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700483

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                   |                |                       |                   |
|-------------------|----------------|-----------------------|-------------------|
| * Thyroid Gland   | Follicular Cel | Hypertrophy           | Minimal           |
| * Urinary Bladder |                | Infiltration Cellular | Lymphoid, Minimal |
| * Uterus          | Endometrium    | Hyperplasia           | Cystic, Mild      |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Pancreas                  |
| * Parathyroid Gland      | * Salivary Glands          | * Stomach, Forestomach    | * Stomach, Glandular        |
| Tooth                    | * Trachea                  | * Urinary Bladder         |                             |

MISSING

\* Gallbladder

OBSERVATIONS

|                   |   |                                  |          |
|-------------------|---|----------------------------------|----------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Mild     |
| * Bone Marrow     |   | Hyperplasia                      | Moderate |
| * Heart           |   | Cardiomyopathy                   | Minimal  |
| * Kidney          |   | Nephropathy                      | Minimal  |
| * Liver           |   | Clear Cell Focus                 |          |
|                   |   | Erythrophagocytosis              | Minimal  |
|                   |   | Hematopoietic Cell Proliferation | Minimal  |
|                   |   | Hepatocellular Adenoma           | Multiple |
|                   |   | Hepatocellular Carcinoma         | Multiple |
|                   |   | Histiocytic Sarcoma              |          |
|                   |   | Hypertrophy                      | Moderate |
|                   |   | Inflammation                     | Mild     |
|                   |   | Mixed Cell Focus                 |          |
|                   | [ Hepatocellular Adenoma TGLs = 3-12 ]                  |                                  |          |
|                   | [ Hepatocellular Carcinoma TGLs = 1,2,4,5-10+11+13+14 ] |                                  |          |
| * Nose            | Respirat Epith  | Hyperplasia                      | Minimal  |
|                   | Olfactory Epi   | Pigmentation                     | Minimal  |
| * Ovary           |   | Cyst                             | Minimal  |
| * Pituitary Gland | Pars Intermed   | Adenoma                          |          |
|                   | [ Adenoma TGLs = 7-16 ]                                 |                                  |          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700485

ORGAN AND ACCOUNTABLE SITE STATUS

|                 |                                 |                                  |                   |
|-----------------|---------------------------------|----------------------------------|-------------------|
| * Skin          |                                 | Keratoacanthoma                  |                   |
|                 | [ Keratoacanthoma TGLs = 6-15 ] |                                  |                   |
| * Spleen        |                                 | Hematopoietic Cell Proliferation | Marked            |
| * Thymus        |                                 | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland | Follicular Cel                  | Hypertrophy                      | Mild              |
| * Uterus        | Endometrium                     | Hyperplasia                      | Cystic, Marked    |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   |
| * Pancreas                  | * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Uterus                   |                           |

OBSERVATIONS

|                      |   |                                  |                   |
|----------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular   | Hyperplasia                      | Minimal           |
| * Bone Marrow        |   | Hyperplasia                      | Minimal           |
| * Harderian Gland    |   | Adenoma                          |                   |
| * Islets, Pancreatic |   | Hyperplasia                      | Minimal           |
| * Kidney             |   | Nephropathy                      | Minimal           |
| * Liver              |   | Eosinophilic Focus               |                   |
|                      |   | Hepatocellular Adenoma           | Multiple          |
|                      |   | Hepatocellular Carcinoma         | Multiple          |
|                      |   | Hypertrophy                      | Moderate          |
|                      |   | Inflammation                     | Mild              |
|                      |   | Mixed Cell Focus                 |                   |
|                      |   | Vacuolization Cytoplasmic        | Mild              |
|                      | [ Hepatocellular Adenoma TGLs = 3-12 ]                  |                                  |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2,4,5-10+11+13+14 ] |                                  |                   |
| * Nose               | Olfactory Epi   | Pigmentation                     | Mild              |
| * Spleen             |   | Hematopoietic Cell Proliferation | Mild              |
|                      |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland      | Follicular Cel  | Hypertrophy                      | Minimal           |
| * Urinary Bladder    |   | Infiltration Cellular            | Lymphoid, Minimal |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Harderian Gland           | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Pituitary Gland           | * Salivary Glands        | * Skin                     | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thymus                 | Tooth                      | * Trachea                 |
| * Urinary Bladder           | * Uterus                 |                            |                           |

OBSERVATIONS

|                  |  |                                  |          |
|------------------|--|----------------------------------|----------|
| * Adrenal Cortex | Subcapsular                                      | Hyperplasia                      | Minimal  |
| * Bone Marrow    |  | Hyperplasia                      | Moderate |
| * Heart          |  | Cardiomyopathy                   | Minimal  |
| * Liver          |  | Hepatocellular Adenoma           | Multiple |
|                  |  | Hepatocellular Carcinoma         |          |
|                  |  | Inflammation                     | Minimal  |
|                  |  | Necrosis                         | Marked   |
|                  | [ Hepatocellular Adenoma TGLs = 1,2,3-10+11+12 ] |                                  |          |
|                  | [ Hepatocellular Carcinoma TGLs = 4-13 ]         |                                  |          |
| * Nose           |  | Inflammation                     | Mild     |
| * Spleen         |  | Hematopoietic Cell Proliferation | Moderate |
| * Thyroid Gland  | Follicular Cel                                   | Hypertrophy                      | Minimal  |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

Animal Note: TGL 5 - NCL

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700488

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lymph Node, Mesenteric    | * Mammary Gland          | * Ovary                    |
| * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          |
| * Skin                    | Tooth                       | * Trachea                |                            |

INSUFFICIENT TISSUE

\* Thyroid Gland

OBSERVATIONS

|                          |  |                                |                      |
|--------------------------|--|--------------------------------|----------------------|
| * Adrenal Cortex         | Subcapsular  | Hyperplasia                    | Mild                 |
|                          |  | Infiltration Cellular          | Lymphoid, Minimal    |
| * Bone Marrow            |  | Hyperplasia                    | Moderate             |
| * Kidney                 |  | Nephropathy                    | Minimal              |
| * Liver                  |  | Eosinophilic Focus             |                      |
|                          |  | Hepatocellular Adenoma         | Multiple             |
|                          |  | Hepatocellular Carcinoma       | Multiple             |
|                          |  | Hypertrophy                    | Mild                 |
|                          |  | Inflammation                   | Mild                 |
|                          |  | Mixed Cell Focus               |                      |
|                          |  | Vacuolization Cytoplasmic      | Minimal              |
|                          | [ Eosinophilic Focus TGLs = 4-13 ]                 |                                |                      |
|                          | [ Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12 ] |                                |                      |
| * Lung                   |  | Alveolar/Bronchiolar Carcinoma |                      |
|                          |  | Infiltration Cellular          | Histiocyte, Moderate |
|                          |  | Inflammation                   | Mild                 |
|                          | [ Alveolar/Bronchiolar Carcinoma TGLs = 5-3 ]      |                                |                      |
| * Lymph Node, Mandibular |  | Hyperplasia                    | Lymphoid, Mild       |
| * Nose                   | Respirat Epith                                     | Hyperplasia                    | Minimal              |
|                          | Olfactory Epi                                      | Pigmentation                   | Minimal              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700488

ORGAN AND ACCOUNTABLE SITE STATUS

|                        |             |                                  |                   |
|------------------------|-------------|----------------------------------|-------------------|
| * Spleen               |             | Hematopoietic Cell Proliferation | Moderate          |
|                        |             | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis                   | Mild              |
|                        | Epithelium  | Hyperplasia                      | Moderate          |
|                        |             | Inflammation                     | Marked            |
|                        | Epithelium  | Ulcer                            | Mild              |
| * Stomach, Glandular   |             | Inflammation                     | Mild              |
| * Thymus               |             | Hyperplasia                      | Lymphoid, Minimal |
| * Urinary Bladder      |             | Infiltration Cellular            | Lymphoid, Minimal |
| * Uterus               | Endometrium | Hyperplasia                      | Cystic, Mild      |
|                        |             | Inflammation                     | Minimal           |

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Gallbladder               |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Nose                      |
| * Ovary                  | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | Tooth                     | * Trachea                   |
| * Urinary Bladder        | * Uterus                   |                           |                             |

OBSERVATIONS

|                        |  |                                  |                |
|------------------------|--|----------------------------------|----------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Mild           |
| * Bone Marrow          |  | Hyperplasia                      | Mild           |
| * Harderian Gland      |  | Hyperplasia                      | Minimal        |
| * Heart                |  | Cardiomyopathy                   | Minimal        |
| * Kidney               |  | Cyst                             | Minimal        |
|                        |  | Mineralization                   | Minimal        |
| * Liver                |  | Eosinophilic Focus               |                |
|                        |  | Hematopoietic Cell Proliferation | Minimal        |
|                        |  | Hepatoblastoma                   |                |
|                        |  | Hepatocellular Carcinoma         | Multiple       |
|                        |  | Hypertrophy                      | Mild           |
|                        |  | Inflammation                     | Mild           |
|                        | [ Hepatoblastoma TGLs = 4-13 ]                     |                                  |                |
|                        | [ Hepatocellular Carcinoma TGLs = 2,3,4-11+12+13 ] |                                  |                |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate       |
|                        |  | Hyperplasia                      | Lymphoid, Mild |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Moderate       |
|                        | Epithelium   | Hyperplasia                      | Marked         |
|                        |  | Inflammation                     | Marked         |
|                        | Epithelium   | Ulcer                            | Moderate       |
|                        | [ Hyperplasia TGLs = 6-14 ]                        |                                  |                |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700489

ORGAN AND ACCOUNTABLE SITE STATUS

[ Ulcer TGLs = 6-14 ]

\* Stomach, Glandular

Epithelium

Hyperplasia

Minimal

Inflammation

Mild

\* Thymus

Hyperplasia

Lymphoid, Mild

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

Animal Note: TGLs 1 - NCL; 5 - NCL



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 609

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lymph Node, Mandibular    | * Lymph Node, Mesenteric | * Mammary Gland            | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          | * Skin                    |
| * Stomach, Forestomach      | * Stomach, Glandular     | * Thymus                   | Tooth                     |
| * Trachea                   | * Urinary Bladder        | * Uterus                   |                           |

OBSERVATIONS

|                   |  |                                |                      |
|-------------------|--|--------------------------------|----------------------|
| * Adrenal Cortex  | Subcapsular                                      | Hyperplasia                    | Minimal              |
| * Bone Marrow     |  | Hyperplasia                    | Moderate             |
| * Harderian Gland |  | Adenoma                        |                      |
| * Kidney          |  | Mineralization                 | Minimal              |
| * Liver           |  | Eosinophilic Focus             |                      |
|                   |  | Hepatoblastoma                 |                      |
|                   |  | Hepatocellular Adenoma         | Multiple             |
|                   |  | Hepatocellular Carcinoma       |                      |
|                   |  | Mixed Cell Focus               |                      |
|                   |  | Necrosis                       | Mild                 |
|                   |  | Vacuolization Cytoplasmic      | Minimal              |
|                   | [ Eosinophilic Focus TGLs = 4-13 ]               |                                |                      |
|                   | [ Hepatoblastoma TGLs = 1-10 ]                   |                                |                      |
|                   | [ Hepatocellular Adenoma TGLs = 2,3,4-11+12+13 ] |                                |                      |
|                   | [ Hepatocellular Carcinoma TGLs = 5-14 ]         |                                |                      |
| * Lung            |  | Alveolar/Bronchiolar Carcinoma |                      |
|                   |  | Infiltration Cellular          | Histiocyte, Moderate |
|                   |  | Inflammation                   | Mild                 |
|                   |  | Vacuolization Cytoplasmic      | Mild                 |
|                   | [ Alveolar/Bronchiolar Carcinoma TGLs = 6-15 ]   |                                |                      |
| * Nose            | Respirat Epith                                   | Hyperplasia                    | Minimal              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 609

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700490

ORGAN AND ACCOUNTABLE SITE STATUS

|                 |                |                                  |         |
|-----------------|----------------|----------------------------------|---------|
| * Ovary         |                | Angiectasis                      | Minimal |
| * Spleen        |                | Hematopoietic Cell Proliferation | Marked  |
| * Thyroid Gland | Follicular Cel | Hypertrophy                      | Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 589

DOSE: 2000 mg/kg

DISP: Natural Death

HISTO: 0700491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | Tooth                       |
| * Trachea                | * Urinary Bladder          |                           |                             |

MISSING

\* Clitoral Gland

OBSERVATIONS

|                  |  |                                  |                 |
|------------------|--|----------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular                            | Hyperplasia                      | Minimal         |
| * Bone Marrow    |  | Hyperplasia                      | Moderate        |
| * Heart          |  | Histiocytic Sarcoma              |                 |
| * Liver          |  | Eosinophilic Focus               |                 |
|                  |  | Hepatocellular Adenoma           | Multiple        |
|                  |  | Histiocytic Sarcoma              |                 |
|                  | [ Histiocytic Sarcoma TGLs = 2-10+11 ] |                                  |                 |
| * Lung           |  | Histiocytic Sarcoma              |                 |
| Mesentery        |  | Histiocytic Sarcoma              |                 |
| * Nose           | Olfactory Epi                          | Accumulation, Hyaline Droplet    | Mild            |
|                  | Respirat Epith                         | Hyperplasia                      | Minimal         |
| * Ovary          |  | Histiocytic Sarcoma              |                 |
| * Spleen         |  | Hematopoietic Cell Proliferation | Marked          |
| * Thyroid Gland  |  | Ultimobranchial Cyst             |                 |
| * Uterus         |  | Histiocytic Sarcoma              |                 |
|                  | Endometrium                            | Hyperplasia                      | Cystic, Minimal |
|                  |  | Inflammation                     | Minimal         |
|                  | [ Histiocytic Sarcoma TGLs = 1-7 ]     |                                  |                 |

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700492

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Lung                   | * Lymph Node, Mandibular   |
| * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Salivary Glands           | * Skin                   | * Thymus                   |
| Tooth                     | * Trachea                   | * Urinary Bladder        | * Uterus                   |

OBSERVATIONS

|                        |  |                                  |          |
|------------------------|--|----------------------------------|----------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Mild     |
| * Bone Marrow          |  | Hyperplasia                      | Moderate |
| * Liver                |  | Eosinophilic Focus               |          |
|                        |  | Hepatoblastoma                   | Multiple |
|                        |  | Hepatocellular Adenoma           | Multiple |
|                        |  | Hepatocellular Carcinoma         | Multiple |
|                        |  | Hypertrophy                      | Moderate |
|                        |  | Inflammation                     | Minimal  |
|                        |  | Mixed Cell Focus                 |          |
|                        |  | Vacuolization Cytoplasmic        | Mild     |
|                        | [ Hepatoblastoma TGLs = 1,2,4-10+11+13 ]           |                                  |          |
|                        | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ]   |                                  |          |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12 ] |                                  |          |
| * Nose                 | Respirat Epith                                     | Hyperplasia                      | Mild     |
|                        | Olfactory Epi                                      | Pigmentation                     | Mild     |
| * Pituitary Gland      | Pars Distalis                                      | Hyperplasia                      | Mild     |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Moderate |
|                        | Epithelium   | Hyperplasia                      | Moderate |
|                        |  | Inflammation                     | Marked   |
|                        | Epithelium   | Ulcer                            | Moderate |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 390

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700492

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Ulcer TGLs = 6-15 ]

\* Stomach, Glandular

Epithelium

Hyperplasia

Mild

Inflammation

Minimal

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Salivary Glands         | * Skin                      | * Stomach, Forestomach   | * Thymus                   |
| Tooth                     | * Trachea                   | * Urinary Bladder        |                            |

OBSERVATIONS

|                      |  |                                  |              |
|----------------------|--|----------------------------------|--------------|
| * Adrenal Cortex     | Subcapsular                                      | Hyperplasia                      | Minimal      |
| * Bone Marrow        |  | Hyperplasia                      | Mild         |
| * Kidney             |  | Nephropathy                      | Minimal      |
| * Liver              |  | Eosinophilic Focus               |              |
|                      |  | Hepatocellular Adenoma           | Multiple     |
|                      |  | Hepatocellular Carcinoma         | Multiple     |
|                      |  | Hypertrophy                      | Moderate     |
|                      |  | Inflammation                     | Minimal      |
|                      |  | Mixed Cell Focus                 |              |
|                      |  | Vacuolization Cytoplasmic        | Mild         |
|                      | [ Eosinophilic Focus TGLs = 3-12 ]               |                                  |              |
|                      | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ] |                                  |              |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ]    |                                  |              |
| * Nose               | Olfactory Epi                                    | Accumulation, Hyaline Droplet    | Minimal      |
| * Pituitary Gland    | Pars Distalis                                    | Hyperplasia                      | Moderate     |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate     |
| * Stomach, Glandular |  | Cyst                             | Mild         |
| * Thyroid Gland      | Follicular Cel                                   | Hypertrophy                      | Minimal      |
| * Uterus             | Endometrium                                      | Hyperplasia                      | Cystic, Mild |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Brain                    | * Clitoral Gland          |
| * Esophagus                 | * Eye                    | * Gallbladder              | * Harderian Gland         |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Kidney                    | * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  |
| * Mammary Gland             | * Ovary                  | * Pancreas                 | * Parathyroid Gland       |
| * Salivary Glands           | * Skin                   | * Stomach, Glandular       | * Thymus                  |
| Tooth                       | * Trachea                | * Urinary Bladder          |                           |

OBSERVATIONS

|                        |  |                                  |                   |
|------------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular                                    | Hyperplasia                      | Minimal           |
| * Bone                 |  | Osteoporosis                     | Minimal           |
| * Bone Marrow          |  | Hyperplasia                      | Mild              |
| * Liver                |  | Basophilic Focus                 |                   |
|                        |  | Eosinophilic Focus               |                   |
|                        |  | Erythrophagocytosis              | Minimal           |
|                        |  | Fatty Change                     | Focal             |
|                        |  | Hepatocellular Adenoma           | Multiple          |
|                        |  | Hepatocellular Carcinoma         | Multiple          |
|                        |  | Hypertrophy                      | Moderate          |
|                        |  | Inflammation                     | Minimal           |
|                        |  | Mixed Cell Focus                 |                   |
|                        |  | Tension Lipidosis                |                   |
|                        |  | Vacuolization Cytoplasmic        | Moderate          |
|                        | [ Hepatocellular Adenoma TGLs = 2,3,5-11+13 ]  |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 1-10, 4-12 ] |                                  |                   |
| * Nose                 | Respirat Epith                                 | Hyperplasia                      | Minimal           |
| * Pituitary Gland      | Pars Distalis                                  | Hyperplasia                      | Minimal           |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate          |
|                        |  | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium                                     | Hyperkeratosis                   | Moderate          |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700494

ORGAN AND ACCOUNTABLE SITE STATUS

|                 |                             |              |                 |
|-----------------|-----------------------------|--------------|-----------------|
|                 | Epithelium                  | Hyperplasia  | Marked          |
|                 |                             | Inflammation | Moderate        |
|                 | Epithelium                  | Ulcer        | Mild            |
|                 | [ Hyperplasia TGLs = 6-14 ] |              |                 |
|                 | [ Ulcer TGLs = 6-14 ]       |              |                 |
| * Thyroid Gland | Follicular Cel              | Hypertrophy  | Minimal         |
| * Uterus        | Endometrium                 | Hyperplasia  | Cystic, Minimal |



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700495

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney                  | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Ovary                     | * Pancreas               | * Parathyroid Gland        |
| * Pituitary Gland         | * Salivary Glands           | * Skin                   | * Stomach, Forestomach     |
| * Stomach, Glandular      | Tooth                       | * Trachea                | * Urinary Bladder          |

**OBSERVATIONS**

|                      |  |                                  |                   |
|----------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex     | Subcapsular  | Hyperplasia                      | Mild              |
| * Bone Marrow        |  | Hyperplasia                      | Mild              |
| * Islets, Pancreatic |  | Hyperplasia                      | Minimal           |
| * Liver              |  | Eosinophilic Focus               |                   |
|                      |  | Erythrophagocytosis              | Minimal           |
|                      |  | Hepatoblastoma                   |                   |
|                      |  | Hepatocellular Adenoma           | Multiple          |
|                      |  | Hepatocellular Carcinoma         | Multiple          |
|                      |  | Hypertrophy                      | Moderate          |
|                      |  | Inflammation                     | Mild              |
|                      |  | Mixed Cell Focus                 |                   |
|                      |  | Vacuolization Cytoplasmic        | Mild              |
|                      | [ Eosinophilic Focus TGLs = 6-13 ]                   |                                  |                   |
|                      | [ Hepatoblastoma TGLs = 4-12 ]                       |                                  |                   |
|                      | [ Hepatocellular Adenoma TGLs = 1,2,5-10+12 ]        |                                  |                   |
|                      | [ Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12 ] |                                  |                   |
| Lymph Node           | Inguinal   | Hyperplasia                      | Lymphoid, Minimal |
| * Nose               | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal           |
| * Spleen             |  | Hematopoietic Cell Proliferation | Moderate          |
|                      |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thymus             |  | Hyperplasia                      | Lymphoid, Mild    |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 393

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700495

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[ Hyperplasia TGLs = 7-14 ]

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700496

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Mammary Gland           | * Pancreas                  | * Parathyroid Gland      |
| * Pituitary Gland          | * Salivary Glands         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | Tooth                       | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

|                  |  |                                  |                   |
|------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular  | Hyperplasia                      | Mild              |
| * Kidney         |  | Mineralization                   | Minimal           |
| * Liver          |  | Eosinophilic Focus               |                   |
|                  |  | Hepatocellular Adenoma           | Multiple          |
|                  |  | Hepatocellular Carcinoma         | Multiple          |
|                  |  | Hypertrophy                      | Marked            |
|                  |  | Inflammation                     | Minimal           |
|                  |  | Mixed Cell Focus                 |                   |
|                  |  | Vacuolization Cytoplasmic        | Marked            |
|                  | [ Eosinophilic Focus TGLs = 6-15 ]                         |                                  |                   |
|                  | [ Hepatocellular Adenoma TGLs = 2,3,4,5,6-11+12+13+14+15 ] |                                  |                   |
|                  | [ Hepatocellular Carcinoma TGLs = 1-10 ]                   |                                  |                   |
| * Nose           | Olfactory Epi  | Pigmentation                     | Minimal           |
| * Ovary          |  | Angiectasis                      | Minimal           |
| * Spleen         |  | Hematopoietic Cell Proliferation | Mild              |
|                  |  | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland  | Follicular Cel   | Hypertrophy                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 692

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700497

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Brain                    |
| * Clitoral Gland          | * Esophagus                 | * Eye                    | * Gallbladder              |
| * Harderian Gland         | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | Tooth                      |
| * Trachea                 | * Uterus                    |                          |                            |

OBSERVATIONS

|                   |  |                                  |                   |
|-------------------|--|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular                                      | Hyperplasia                      | Minimal           |
| * Bone Marrow     |  | Hyperplasia                      | Moderate          |
| * Kidney          |  | Nephropathy                      | Mild              |
|                   |  | Pigmentation                     | Mild              |
| * Liver           |  | Clear Cell Focus                 |                   |
|                   |  | Eosinophilic Focus               |                   |
|                   |  | Hepatocellular Adenoma           | Multiple          |
|                   |  | Hepatocellular Carcinoma         | Multiple          |
|                   |  | Inflammation                     | Minimal           |
|                   |  | Mineralization                   | Minimal           |
|                   |  | Necrosis                         | Minimal           |
|                   | [ Hepatocellular Adenoma TGLs = 3,4,5-12+13+14 ] |                                  |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 1,2-10+11 ]    |                                  |                   |
| Lymph Node        | Inguinal   | Hyperplasia                      | Lymphoid, Minimal |
| * Spleen          |  | Hematopoietic Cell Proliferation | Marked            |
| * Thyroid Gland   | Follicular Cel                                   | Hypertrophy                      | Minimal           |
| * Urinary Bladder |  | Infiltration Cellular            | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700498

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla          | Blood Vessel              | * Bone                      | * Bone Marrow            |
| * Brain                    | * Clitoral Gland          | * Esophagus                 | * Eye                    |
| * Gallbladder              | * Harderian Gland         | * Heart                     | * Intestine Large, Cecum |
| * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Mammary Gland             | * Ovary                  |
| * Pancreas                 | * Parathyroid Gland       | * Salivary Glands           | * Skin                   |
| * Stomach, Glandular       | * Thymus                  | Tooth                       | * Trachea                |
| * Urinary Bladder          |                           |                             |                          |

OBSERVATIONS

|                        |   |                                  |                   |
|------------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex       | Subcapsular   | Hyperplasia                      | Minimal           |
| * Liver                |   | Basophilic Focus                 |                   |
|                        |   | Eosinophilic Focus               |                   |
|                        |   | Erythrophagocytosis              | Minimal           |
|                        |   | Hepatocellular Adenoma           | Multiple          |
|                        |   | Hepatocellular Carcinoma         | Multiple          |
|                        |   | Hypertrophy                      | Moderate          |
|                        |   | Inflammation                     | Minimal           |
|                        |   | Mixed Cell Focus                 |                   |
|                        |   | Vacuolization Cytoplasmic        | Mild              |
|                        | [ Hepatocellular Adenoma TGLs = 4-13 ]                  |                                  |                   |
|                        | [ Hepatocellular Carcinoma TGLs = 1,2,3,5-10+11+12+14 ] |                                  |                   |
| * Nose                 | Olfactory Epi   | Accumulation, Hyaline Droplet    | Moderate          |
| * Pituitary Gland      | Pars Distalis   | Hyperplasia                      | Minimal           |
| * Spleen               |   | Hematopoietic Cell Proliferation | Mild              |
|                        |   | Hyperplasia                      | Lymphoid, Minimal |
| * Stomach, Forestomach | Epithelium  | Hyperkeratosis                   | Moderate          |
|                        | Epithelium  | Hyperplasia                      | Marked            |
|                        |   | Inflammation                     | Moderate          |
|                        | Epithelium  | Ulcer                            | Mild              |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

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**ANIMAL ID:** 396

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 728

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700498

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Hyperplasia TGLs = 6-15 ]

[ Ulcer TGLs = 6-15 ]

\* Thyroid Gland

Follicular Cel

Hypertrophy

Minimal

\* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

---

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | Blood Vessel             | * Bone                     | * Brain                   |
| * Clitoral Gland            | * Esophagus              | * Eye                      | * Gallbladder             |
| * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      |
| * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Mammary Gland           |
| * Pancreas                  | * Parathyroid Gland      | * Salivary Glands          | * Skin                    |
| * Stomach, Glandular        | Tooth                    | * Trachea                  | * Urinary Bladder         |

OBSERVATIONS

|                        |  |                                  |                |
|------------------------|--|----------------------------------|----------------|
| * Adrenal Cortex       | Subcapsular  | Hyperplasia                      | Minimal        |
| * Bone Marrow          |  | Hyperplasia                      | Moderate       |
| * Harderian Gland      |  | Adenoma                          |                |
|                        | [ Adenoma TGLs = 8-9 ]                                     |                                  |                |
| * Kidney               |  | Nephropathy                      | Minimal        |
| * Liver                |  | Eosinophilic Focus               |                |
|                        |  | Hepatocellular Adenoma           | Multiple       |
|                        |  | Hepatocellular Carcinoma         | Multiple       |
|                        |  | Hypertrophy                      | Mild           |
|                        |  | Inflammation                     | Mild           |
|                        |  | Necrosis                         | Minimal        |
|                        | [ Eosinophilic Focus TGLs = 6,7-15+16 ]                    |                                  |                |
|                        | [ Hepatocellular Adenoma TGLs = 1,2,5,6,7-11+12+14+15+16 ] |                                  |                |
|                        | [ Hepatocellular Carcinoma TGLs = 3,4-10+13 ]              |                                  |                |
| * Nose                 | Respirat Epith   | Hyperplasia                      | Minimal        |
| * Ovary                |  | Cyst                             | Minimal        |
| * Pituitary Gland      | Pars Distalis  | Hyperplasia                      | Minimal        |
| * Spleen               |  | Hematopoietic Cell Proliferation | Moderate       |
|                        |  | Hyperplasia                      | Lymphoid, Mild |
| * Stomach, Forestomach | Epithelium   | Hyperkeratosis                   | Moderate       |
|                        | Epithelium   | Hyperplasia                      | Marked         |
|                        |  | Inflammation                     | Moderate       |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700499

ORGAN AND ACCOUNTABLE SITE STATUS

|  |                |             |                |
|--|----------------|-------------|----------------|
| [ Hyperplasia TGLs = 9-17 ]<br>[ Ulcer TGLs = 9-17 ] | Epithelium     | Ulcer       | Moderate       |
| * Thymus   |                | Hyperplasia | Lymphoid, Mild |
| * Thyroid Gland                                      | Follicular Cel | Hypertrophy | Minimal        |
| * Uterus   | Endometrium    | Hyperplasia | Cystic, Mild   |



TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla         | Blood Vessel                | * Bone                   | * Bone Marrow              |
| * Brain                   | * Clitoral Gland            | * Esophagus              | * Eye                      |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Lung                      | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   |
| * Mammary Gland           | * Nose                      | * Ovary                  | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Salivary Glands        | * Skin                     |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 | Tooth                      |
| * Trachea                 | * Urinary Bladder           | * Uterus                 |                            |

OBSERVATIONS

|                   |   |                                  |                   |
|-------------------|---|----------------------------------|-------------------|
| * Adrenal Cortex  | Subcapsular   | Hyperplasia                      | Minimal           |
| * Harderian Gland |   | Hyperplasia                      | Minimal           |
|                   |   | Inflammation                     | Moderate          |
| * Kidney          |   | Cyst                             | Minimal           |
| * Liver           |   | Eosinophilic Focus               |                   |
|                   |   | Hepatoblastoma                   | Multiple          |
|                   |   | Hepatocellular Adenoma           | Multiple          |
|                   |   | Hepatocellular Carcinoma         | Multiple          |
|                   |   | Hypertrophy                      | Mild              |
|                   |   | Inflammation                     | Mild              |
|                   |   | Mixed Cell Focus                 |                   |
|                   |   | Vacuolization Cytoplasmic        | Minimal           |
|                   | [ Hepatoblastoma TGLs = 2,3-11+12 ]                     |                                  |                   |
|                   | [ Hepatocellular Adenoma TGLs = 3-12 ]                  |                                  |                   |
|                   | [ Hepatocellular Carcinoma TGLs = 1,2,4,5-10+11+13+14 ] |                                  |                   |
| * Spleen          |   | Hematopoietic Cell Proliferation | Moderate          |
|                   |   | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland   | Follicular Cel  | Hypertrophy                      | Minimal           |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 04/13/2011

Time Report Requested: 12:42:51

First Dose M/F: 03/17/05 / 03/18/05

Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 2000 mg/kg

DISP: Terminal Sacrifice

HISTO: 0700501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Brain                   | * Clitoral Gland            |
| * Esophagus              | * Eye                      | * Gallbladder             | * Harderian Gland           |
| * Intestine Large, Cecum | * Intestine Large, Colon   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic      | * Lymph Node, Mandibular    |
| * Lymph Node, Mesenteric | * Mammary Gland            | * Ovary                   | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Salivary Glands         | * Skin                      |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Thymus                  | Tooth                       |
| * Trachea                | * Urinary Bladder          |                           |                             |

OBSERVATIONS

- |                  |   |                               |                   |
|------------------|---|-------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular                                 | Hyperplasia                   | Minimal           |
| * Bone           |   | Osteosarcoma                  |                   |
|                  | [ Osteosarcoma TGLs = 6-10 ]                |                               |                   |
| * Bone Marrow    |   | Hyperplasia                   | Minimal           |
| * Heart          |   | Cardiomyopathy                | Minimal           |
| * Kidney         |   | Nephropathy                   | Mild              |
| * Liver          |   | Eosinophilic Focus            |                   |
|                  |   | Hepatoblastoma                | Multiple          |
|                  |   | Hepatocellular Adenoma        | Multiple          |
|                  |   | Hepatocellular Carcinoma      |                   |
|                  |   | Inflammation                  | Mild              |
|                  |   | Mixed Cell Focus              |                   |
|                  |   | Osteosarcoma                  | Metastatic (Bone) |
|                  | [ Eosinophilic Focus TGLs = 4-14 ]          |                               |                   |
|                  | [ Hepatoblastoma TGLs = 2-12 ]              |                               |                   |
|                  | [ Hepatocellular Adenoma TGLs = 3,4-13+14 ] |                               |                   |
|                  | [ Hepatocellular Carcinoma TGLs = 1-11 ]    |                               |                   |
|                  | [ Mixed Cell Focus TGLs = 5-15 ]            |                               |                   |
| * Lung           |   | Osteosarcoma                  | Metastatic (Bone) |
| * Nose           | Olfactory Epi                               | Accumulation, Hyaline Droplet | Minimal           |
|                  | Respirat Epith                              | Hyperplasia                   | Minimal           |

\* PROTOCOL REQUIRED TISSUE

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 12:42:51  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

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**ANIMAL ID:** 399

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 2000 mg/kg

**DISP:** Terminal Sacrifice

**HISTO:** 0700501

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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|                 |                |                                  |                   |
|-----------------|----------------|----------------------------------|-------------------|
| * Spleen        |                | Hematopoietic Cell Proliferation | Moderate          |
|                 |                | Hyperplasia                      | Lymphoid, Minimal |
| * Thyroid Gland | Follicular Cel | Hypertrophy                      | Minimal           |
| * Uterus        | Endometrium    | Hyperplasia                      | Cystic, Mild      |

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TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 12:42:51  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 497

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

|                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla        | Blood Vessel               | * Bone                    | * Brain                     |
| * Clitoral Gland         | * Esophagus                | * Eye                     | * Gallbladder               |
| * Harderian Gland        | * Intestine Large, Cecum   | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung                    | * Lymph Node, Mandibular    |
| * Mammary Gland          | * Ovary                    | * Parathyroid Gland       | * Pituitary Gland           |
| * Salivary Glands        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| Tooth                    | * Trachea                  | * Urinary Bladder         |                             |

OBSERVATIONS

|                          |                                       |                                  |                    |
|--------------------------|---------------------------------------|----------------------------------|--------------------|
| * Adrenal Cortex         |                                       | Hematopoietic Cell Proliferation | Moderate           |
|                          | Subcapsular                           | Hyperplasia                      | Minimal            |
|                          |                                       | Leukemia Myeloid                 |                    |
| * Bone Marrow            |                                       | Hyperplasia                      | Marked             |
| * Heart                  |                                       | Cardiomyopathy                   | Minimal            |
| * Intestine Large, Colon |                                       | Inflammation                     | Minimal            |
| * Islets, Pancreatic     |                                       | Hyperplasia                      | Minimal            |
| * Kidney                 |                                       | Mineralization                   | Minimal            |
|                          |                                       | Nephropathy                      | Minimal            |
| * Liver                  |                                       | Eosinophilic Focus               |                    |
|                          |                                       | Fatty Change                     | Focal              |
|                          |                                       | Hematopoietic Cell Proliferation | Moderate           |
|                          |                                       | Hepatocellular Adenoma           |                    |
|                          |                                       | Leukemia Myeloid                 |                    |
|                          |                                       | Mixed Cell Focus                 |                    |
|                          | [ Fatty Change TGLs = 2-11 ]          |                                  |                    |
|                          | [ Mixed Cell Focus TGLs = 1,4-10+13 ] |                                  |                    |
| Lymph Node               | Mediastinal                           | Hyperplasia                      | Lymphoid, Moderate |
| Lymph Node, Bronchial    |                                       | Leukemia Myeloid                 |                    |
| * Lymph Node, Mesenteric |                                       | Leukemia Myeloid                 |                    |
| Mesentery                |                                       | Inflammation                     | Moderate           |
|                          | Fat                                   | Necrosis                         | Marked             |

\* PROTOCOL REQUIRED TISSUE

TDMS No. 99031 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
Time Report Requested: 12:42:51  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 497

DOSE: 2000 mg/kg

DISP: Moribund Sacrifice

HISTO: 0700502

ORGAN AND ACCOUNTABLE SITE STATUS

[ Necrosis TGLs = 3-12 ]

|                 |                |                                  |                 |
|-----------------|----------------|----------------------------------|-----------------|
| * Nose          | Olfactory Epi  | Accumulation, Hyaline Droplet    | Minimal         |
|                 | Olfactory Epi  | Pigmentation                     | Minimal         |
| * Pancreas      |                | Inflammation                     | Minimal         |
| * Spleen        |                | Hematopoietic Cell Proliferation | Marked          |
|                 |                | Leukemia Myeloid                 |                 |
| * Thymus        |                | Leukemia Myeloid                 |                 |
| * Thyroid Gland | Follicular Cel | Hypertrophy                      | Minimal         |
|                 |                | Ultimobranchial Cyst             |                 |
| * Uterus        | Endometrium    | Hyperplasia                      | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Mesentery Fat Necrosis

\*\*\* END OF REPORT \*\*\*