

**Experiment Number:** 20107 - 02  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine  
**CAS Number:** 99-97-8

**Date Report Requested:** 09/07/2016  
**Time Report Requested:** 14:11:20  
**First Dose M/F:** 10/23/03 / 10/22/03  
**Lab:** BAT

**NTP Study Number:** C20107  
**Lock Date:** 07/14/2004  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** NONE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 1

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406289

**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      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |  |             |                           |                         |
|--|-------------|---------------------------|-------------------------|
| * Adrenal Cortex   | Subcapsular | Hyperplasia               | Minimal                 |
| Note: Only one adrenal gland available for histological examination.           |             |                           |                         |
| * Liver  |             | Inflammation              | Chronic Active, Minimal |
|  | Hepatocyte  | Vacuolization Cytoplasmic | Mild                    |
| * Testes   |             |                           |                         |
| Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded. |             |                           |                         |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406290

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      | * Kidney                    | * Lung                   |
| * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Spleen                 |
| * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |                          |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                  |             |                           |                         |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Minimal                 |
| * Liver          |             | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Mild                    |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* 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	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Liver	Hepatocyte	Inflammation Vacuolization Cytoplasmic	Chronic Active, Minimal Mild
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Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406292

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |          |              |                         |
|----------|--------------|-------------------------|
| * Kidney | Inflammation | Chronic Active, Minimal |
| * Liver  | Inflammation | Chronic Active, Minimal |
| * Testes |              |                         |

Note: Rete testis with adjacent tubuli recti - normal - not coded.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 5

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406293

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |         |            |                           |      |
|---------|------------|---------------------------|------|
| * Liver | Hepatocyte | Vacuolization Cytoplasmic | Mild |
|---------|------------|---------------------------|------|

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 6

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406294

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |         |            |   |                                 |
|---------|------------|---|---------------------------------|
| * Liver | Hepatocyte | Inflammation<br>Vacuolization Cytoplasmic | Chronic Active, Minimal<br>Mild |
|---------|------------|---|---------------------------------|

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |          |            |                           |                         |
|----------|------------|---------------------------|-------------------------|
| * Kidney |            | Mineralization            | Minimal                 |
| * Liver  |            | Inflammation              | Chronic Active, Minimal |
|          | Hepatocyte | Vacuolization Cytoplasmic | Mild                    |



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 8

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 0 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406296

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

**MISSING**

- \* Mammary Gland

**OBSERVATIONS**

- |                      |            |                           |                         |
|----------------------|------------|---------------------------|-------------------------|
| * Liver              |            | Inflammation              | Chronic Active, Minimal |
|                      | Hepatocyte | Vacuolization Cytoplasmic | Mild                    |
| * Stomach, Glandular |            | Inflammation              | Chronic Active, Minimal |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Lung                   | * Lymph Node, Mandibular   | * Lymph Node, Mesenteric  | * Nose                      |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thymus                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |         |            |                           |                         |
|---------|------------|---------------------------|-------------------------|
| * Liver |            | Inflammation              | Chronic Active, Minimal |
|         | Hepatocyte | Vacuolization Cytoplasmic | Mild                    |
| Tooth   |            | Malformation              | Mild                    |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Lung                      |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Nose                    | * Pancreas                  |
| * Parathyroid Gland      | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Spleen                    |
| * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  | * Thymus                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |          |            |                           |                         |
|----------|------------|---------------------------|-------------------------|
| * Kidney |            | Nephropathy               | Minimal                 |
| * Liver  |            | Inflammation              | Chronic Active, Minimal |
|          | Hepatocyte | Vacuolization Cytoplasmic | Mild                    |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

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First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

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**ANIMAL ID:** 11

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406299

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

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**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 12

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406300

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 13

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406301

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 14

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406302

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 15

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406303

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 16

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406304

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Mild

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 17

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406305

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 18

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406306

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 19

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406307

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 20

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406308

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 21

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406309

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Minimal

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 22

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406310

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Minimal

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406311

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 24

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406312

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

**OBSERVATIONS**

Liver

Hematopoietic Cell Proliferation

Mild

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Moderate

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 25

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406313

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 26

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406314

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 27

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406315

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 28

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406316

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Mild

Marked

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 29

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406317

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 30

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406318

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 31

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406319

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

**OBSERVATIONS**

Kidney

Inflammation

Chronic Active, Minimal

Liver

Hematopoietic Cell Proliferation

Mild

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Moderate



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 32

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406320

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Mild

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 33

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406321

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 34

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406322

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 35

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406323

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 36

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406324

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Mild

Lung

Bronchiole, Epithelium

Degeneration

Mild

Bronchiole, Epithelium

Regeneration

Mild

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 37

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406325

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 38

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406326

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 39

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406327

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Marked

---



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 40

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406328

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406329

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      | * Kidney                    | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric   | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Preputial Gland          | * Prostate                | * Salivary Glands           | * Seminal Vesicle        |
| * Skin                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Testes                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                  |                        |                           |                          |
|------------------|------------------------|---------------------------|--------------------------|
| * Adrenal Cortex | Subcapsular            | Hyperplasia               | Minimal                  |
| * Liver          |                        | Inflammation              | Chronic Active, Minimal  |
|                  | Hepatocyte             | Vacuolization Cytoplasmic | Mild                     |
| * Lung           | Bronchiole, Epithelium | Degeneration              | Moderate                 |
|                  | Peribronchiolr         | Inflammation              | Chronic Active, Moderate |
|                  | Bronchiole, Epithelium | Regeneration              | Moderate                 |
| * Nose           | Olfactory Epi          | Degeneration              | Moderate                 |
|                  | Glands                 | Hyperplasia               | Mild                     |
|                  | Olfactory Epi          | Metaplasia                | Mild                     |
| * Thymus         | Thymocyte              | Necrosis                  | Mild                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* Bone Marrow
- \* Brain
- \* Epididymis
- \* 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
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Esophagus      Epithelium      Degeneration      Mild
- \* Liver           Inflammation      Chronic Active, Minimal
- Vacuolization Cytoplasmic      Moderate
- \* Lung                Degeneration      Moderate
- Inflammation      Chronic Active, Mild
- Regeneration      Moderate
- \* Nose                Degeneration      Moderate
- Hyperplasia      Mild
- Metaplasia      Mild
- \* Testes
- Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded.
- \* Thymus      Thymocyte      Necrosis      Mild
- \* Trachea      Epithelium      Degeneration      Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 77

DOSE: 125 MG/KG

DISP: Moribund Sacrifice

HISTO: 0406331

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      |
| * Liver                     | * Lymph Node, Mandibular | * Lymph Node, Mesenteric   | * Pancreas                |
| * Parathyroid Gland         | * Pituitary Gland        | * Salivary Glands          | * Stomach, Forestomach    |
| * Stomach, Glandular        | * Thyroid Gland          | * Urinary Bladder          |                           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                   |                        |                                   |                          |
|-------------------|------------------------|-----------------------------------|--------------------------|
| * Adrenal Cortex  |                        | Accessory Adrenal Cortical Nodule | Minimal                  |
| Coagulating Gland |                        | Inflammation                      | Chronic Active, Mild     |
| * Epididymis      |                        | Inflammation                      | Chronic Active, Moderate |
|                   |                        | Necrosis                          | Moderate                 |
| * Heart           |                        | Mineralization                    | Minimal                  |
| * Kidney          |                        | Mineralization                    | Minimal                  |
| * Lung            | Bronchiole, Epithelium | Degeneration                      | Moderate                 |
|                   | Peribronchiolr         | Inflammation                      | Chronic Active, Mild     |
|                   | Bronchiole, Epithelium | Regeneration                      | Moderate                 |
| Mesentery         | Fat                    | Inflammation                      | Chronic Active, Mild     |
|                   | Fat                    | Necrosis                          | Marked                   |
|                   | Artery, Fat            | Thrombosis                        | Marked                   |

Note: Lesions also involve mesenteric fat attached to cecum, colon, adrenal capsule, urinary bladder, and surrounding pancreas and mesenteric lymph node.

[ Necrosis TGLs = 1-10 ]

- |                   |                |              |                      |
|-------------------|----------------|--------------|----------------------|
| * Nose            | Olfactory Epi  | Degeneration | Marked               |
|                   | Respirat Epith | Degeneration | Mild                 |
| * Preputial Gland |                | Inflammation | Chronic Active, Mild |
|                   |                | Necrosis     | Marked               |

Note: Lesions involve adjacent adipose tissue.

- |            |  |              |                      |
|------------|--|--------------|----------------------|
| * Prostate |  | Inflammation | Chronic Active, Mild |
|------------|--|--------------|----------------------|

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 77

DOSE: 125 MG/KG

DISP: Moribund Sacrifice

HISTO: 0406331

ORGAN AND ACCOUNTABLE SITE STATUS

Necrosis

Marked

Note: Lesions involve adjacent adipose tissue.

Inflammation

Chronic Active, Mild

Inflammation

Chronic Active, Mild

Necrosis

Marked

Note: Lesions involve subcutaneous adipose tissue.

Atrophy

Moderate

Degeneration

Mild

Atrophy

Moderate

Necrosis

Mild

Necrosis

Marked

PRIMARY CAUSE OF DEATH

- Mesentery Fat Necrosis

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Kidney
- \* 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
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Liver
  - Hepatocyte
  - Inflammation
  - Chronic Active, Mild
- \* Lung
  - Bronchiole, Epithelium
  - Vacuolization Cytoplasmic
  - Moderate
  - Peribronchiolr
  - Degeneration
  - Moderate
  - Bronchiole, Epithelium
  - Inflammation
  - Chronic Active, Mild
  - Regeneration
  - Moderate
- \* Nose
  - Olfactory Epi
  - Degeneration
  - Moderate
  - Glands
  - Hyperplasia
  - Mild
  - Olfactory Epi
  - Metaplasia
  - Mild
- \* Parathyroid Gl
  - Note: Only one present (slide 03).
- \* Spleen
  - Hematopoietic Cell Proliferation
  - Mild
- \* Thymus
  - Thymocyte
  - Necrosis
  - Mild
- \* Trachea
  - Epithelium
  - Degeneration
  - Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 8

DOSE: 125 MG/KG

DISP: Natural Death

HISTO: 0406333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Liver                  | * Pancreas                 | * Parathyroid Gland       | * Pituitary Gland           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thyroid Gland          | * Urinary Bladder          |                           |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                          |                        |              |                          |
|--------------------------|------------------------|--------------|--------------------------|
| * Lung                   | Bronchiole, Epithelium | Degeneration | Marked                   |
|                          | Peribronchiolr         | Inflammation | Chronic Active, Moderate |
|                          | Bronchiole, Epithelium | Regeneration | Mild                     |
| * Lymph Node, Mandibular |                        | Atrophy      | Mild                     |
| * Lymph Node, Mesenteric |                        | Atrophy      | Marked                   |
| * Nose                   | Olfactory Epi          | Degeneration | Moderate                 |
| * Spleen                 |                        | Atrophy      | Moderate                 |
| * Thymus                 |                        | Atrophy      | Marked                   |
| * Trachea                | Epithelium             | Necrosis     | Marked                   |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Kidney
  - Nephropathy
  - Minimal
- \* Liver
  - Inflammation
  - Chronic Active, Minimal
- \* Lung
  - Hepatocyte
  - Vacuolization Cytoplasmic
  - Moderate
  - Bronchiole, Epithelium
  - Degeneration
  - Moderate
  - Peribronchiolr
  - Inflammation
  - Chronic Active, Minimal
  - Bronchiole, Epithelium
  - Regeneration
  - Moderate
- \* Nose
  - Olfactory Epi
  - Degeneration
  - Moderate
  - Glands
  - Hyperplasia
  - Mild
  - Olfactory Epi
  - Metaplasia
  - Moderate
- \* Testes
  - Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded.
- \* Thymus
  - Thymocyte
  - Necrosis
  - Mild



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 47

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- \* Mammary Gland
- \* Parathyroid Gland

OBSERVATIONS

- \* Adrenal Cortex      Subcapsular      Hyperplasia      Minimal
- \* Liver           Inflammation      Chronic Active, Minimal
- \* Lung      Hepatocyte      Vacuolization Cytoplasmic      Moderate
- Bronchiole, Epithelium      Degeneration      Moderate
- Alveolus      Infiltration Cellular      Histiocyte, Mild
- Peribronchiolr      Inflammation      Chronic Active, Minimal
- Bronchiole, Epithelium      Regeneration      Moderate
- \* Nose      Olfactory Epi      Degeneration      Mild
- Glands      Hyperplasia      Mild
- \* Testes
- Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded,
- \* Thymus      Thymocyte      Necrosis      Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 48

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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           |
| * Preputial Gland        | * Prostate                 | * Salivary Glands         | * Seminal Vesicle           |
| * Skin                   | * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thyroid Gland            | * Trachea                 | * Urinary Bladder           |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |          |  |                           |                         |
|----------|--|---------------------------|-------------------------|
| * Kidney |  | Nephropathy               | Minimal                 |
| * Liver  |  | Inflammation              | Chronic Active, Minimal |
|          | Hepatocyte   | Vacuolization Cytoplasmic | Mild                    |
| * Lung   | Bronchiole, Epithelium   | Degeneration              | Minimal                 |
|          | Bronchiole, Epithelium   | Regeneration              | Minimal                 |
| * Nose   | Olfactory Epi  | Degeneration              | Moderate                |
|          | Glands   | Hyperplasia               | Mild                    |
|          | Olfactory Epi  | Metaplasia                | Mild                    |
| * Testes |  |                           |                         |
|          | Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded. |                           |                         |
| * Thymus | Thymocyte  | Necrosis                  | Mild                    |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 49

TRT#: 9

SEX: Male

DAY ON TEST: 9

DOSE: 125 MG/KG

DISP: Natural Death

HISTO: 0406337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Liver                  | * Lymph Node, Mesenteric   | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Preputial Gland          | * Prostate                | * Salivary Glands           |
| * Seminal Vesicle        | * Skin                     | * Stomach, Forestomach    | * Stomach, Glandular        |
| * Testes                 | * Thyroid Gland            | * Urinary Bladder         |                             |

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Eye
  - Note: No optic nerve found in block or wet tissue.
- \* Lung
 

Bronchiole, Epithelium	Degeneration	Marked
Peribronchiolr	Inflammation	Chronic Active, Marked
Bronchus, Epithelium	Regeneration	Moderate
- \* Lymph Node, Mandibular
 

	Atrophy	Mild
--	---------	------
- \* Nose
 

	Inflammation	Chronic Active, Minimal
--	--------------	-------------------------
- \* Spleen
 

	Atrophy	Marked
--	---------	--------

  - [ Atrophy TGLs = 1-4 ]
- \* Testes
  - Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded.
- \* Thymus
 

	Atrophy	Moderate
--	---------	----------
- \* Trachea
 

Epithelium	Hyperplasia	Marked
------------	-------------	--------

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 50

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Lymph Node, Mandibular | * Pancreas                 | * Pituitary Gland         | * Preputial Gland           |
| * Prostate               | * Salivary Glands          | * Seminal Vesicle         | * Skin                      |
| * Spleen                 | * Stomach, Forestomach     | * Stomach, Glandular      | * Testes                    |
| * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |                             |

MISSING

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

OBSERVATIONS

- |                          |                        |                           |                      |
|--------------------------|------------------------|---------------------------|----------------------|
| * Liver                  | Hepatocyte             | Inflammation              | Chronic Active, Mild |
|                          |                        | Vacuolization Cytoplasmic | Mild                 |
| * Lung                   | Bronchiole, Epithelium | Degeneration              | Minimal              |
|                          | Alveolus               | Infiltration Cellular     | Histiocyte, Mild     |
|                          | Peribronchiolr         | Inflammation              | Chronic Active, Mild |
|                          | Bronchiole, Epithelium | Regeneration              | Moderate             |
| * Lymph Node, Mesenteric |                        | Atrophy                   | Mild                 |
| * Nose                   | Olfactory Epi          | Degeneration              | Mild                 |
|                          | Glands                 | Hyperplasia               | Mild                 |
|                          | Olfactory Epi          | Metaplasia                | Moderate             |
| * Thymus                 | Thymocyte              | Necrosis                  | Mild                 |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 3

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * 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      | * Kidney                    | * Lung                   | * Pancreas                 |
| * Parathyroid Gland       | * Preputial Gland           | * Prostate               | * Salivary Glands          |
| * Seminal Vesicle         | * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       |
| * Testes                  | * Thyroid Gland             | * Urinary Bladder        |                            |

MISSING

- |                  |                   |                 |                   |
|------------------|-------------------|-----------------|-------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Mammary Gland | * Pituitary Gland |
|------------------|-------------------|-----------------|-------------------|

OBSERVATIONS

- |                          |  |              |                      |
|--------------------------|--|--------------|----------------------|
| * Eye                    | Note: No optic nerve found in block or wet tissue. |              |                      |
| * Liver                  | Hepatocyte   | Fatty Change | Mild                 |
| Lymph Node               | Inguinal   | Necrosis     | Lymphoid, Mild       |
| * Lymph Node, Mandibular |  | Necrosis     | Lymphoid, Mild       |
| * Lymph Node, Mesenteric |  | Necrosis     | Lymphoid, Mild       |
| * Nose                   | Respirat Epith                                     | Degeneration | Mild                 |
|                          |  | Inflammation | Chronic Active, Mild |
| * Spleen                 |  | Atrophy      | Moderate             |
|                          | Lymph Follic                                       | Necrosis     | Mild                 |
| * Thymus                 | Thymocyte  | Necrosis     | Marked               |
| * Trachea                | Epithelium   | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded.

Animal Note: Some of the tissues examined microscopically from this animal were mildly to moderately autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 3

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406340

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      | * Kidney                    | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Preputial Gland           | * Prostate               |
| * Salivary Glands          | * Seminal Vesicle         | * Skin                      | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Testes                  | * Thyroid Gland             | * Urinary Bladder        |

MISSING

- \* Mammary Gland

OBSERVATIONS

- |                                    |                        |                                   |                         |
|------------------------------------|------------------------|-----------------------------------|-------------------------|
| * Adrenal Cortex                   |                        | Accessory Adrenal Cortical Nodule | Mild                    |
| * Liver                            | Hepatocyte             | Fatty Change                      | Mild                    |
| * Lung                             | Bronchiole, Epithelium | Degeneration                      | Moderate                |
|                                    | Peribronchiolr         | Inflammation                      | Chronic Active, Minimal |
| * Lymph Node, Mandibular           |                        | Necrosis                          | Lymphoid, Mild          |
| * Lymph Node, Mesenteric           |                        | Necrosis                          | Lymphoid, Mild          |
| * Nose                             |                        | Inflammation                      | Chronic Active, Mild    |
| * Parathyroid GI                   |                        |                                   |                         |
| Note: Only one present (slide 03). |                        |                                   |                         |
| * Spleen                           |                        | Atrophy                           | Moderate                |
|                                    | Lymph Follic           | Necrosis                          | Mild                    |
| * Thymus                           | Thymocyte              | Necrosis                          | Marked                  |
| * Trachea                          | Epithelium             | Necrosis                          | Marked                  |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 9

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Kidney
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Urinary Bladder

MISSING

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

OBSERVATIONS

- \* Heart
  - \* Liver
  - \* Lung
  - \* Lymph Node, Mandibular
  - \* Nose
  - \* Spleen
  - \* Thymus
  - \* Trachea
- [ Atrophy TGLs = 1-4 ]

- Mineralization
- Necrosis
- Degeneration
- Inflammation
- Regeneration
- Atrophy
- Degeneration
- Inflammation
- Atrophy
- Atrophy
- Inflammation

- Minimal
- Mild
- Marked
- Chronic Active, Mild
- Marked
- Mild
- Mild
- Chronic Active, Moderate
- Marked
- Marked
- Chronic, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to markedly autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 3

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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      | * Kidney                    |
| * Pancreas               | * Pituitary Gland          | * Preputial Gland         | * Prostate                  |
| * Salivary Glands        | * Seminal Vesicle          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Testes                   | * Thyroid Gland           | * Urinary Bladder           |

MISSING

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

OBSERVATIONS

- |                                    |                        |              |                      |
|------------------------------------|------------------------|--------------|----------------------|
| * Adren Medulla                    |                        |              |                      |
| Note: Only one present (slide 06). |                        |              |                      |
| * Liver                            | Hepatocyte             | Fatty Change | Mild                 |
| * Lung                             | Bronchiole, Epithelium | Degeneration | Mild                 |
| * Lymph Node, Mandibular           |                        | Necrosis     | Lymphoid, Mild       |
| * Lymph Node, Mesenteric           |                        | Necrosis     | Lymphoid, Mild       |
| * Nose                             |                        | Inflammation | Chronic Active, Mild |
| * Spleen                           |                        | Atrophy      | Mild                 |
|                                    | Lymph Follic           | Necrosis     | Mild                 |
| * Thymus                           | Thymocyte              | Necrosis     | Marked               |
| * Trachea                          | Epithelium             | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to markedly autolyzed.

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 3

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Kidney
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Liver
  - Hepatocyte Fatty Change Mild
  - Hepatocyte Necrosis Mild
  - Tension Lipidosis Mild
- \* Lung
  - Bronchiole, Epithelium Degeneration Mild
- \* Lymph Node, Mandibular
  - Necrosis Lymphoid, Mild
- \* Lymph Node, Mesenteric
  - Necrosis Lymphoid, Mild
- \* Nose
  - Inflammation Chronic Active, Mild
- \* Parathyroid GI
  - Note: Only one present (slide 03).
- \* Spleen
  - Lymph Follic Necrosis Mild
- \* Thymus
  - Thymocyte Necrosis Marked
- \* Trachea
  - Epithelium Necrosis Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to markedly autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 3

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Kidney
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- |  |                |              |                         |
|--|----------------|--------------|-------------------------|
| * Liver  | Hepatocyte     | Fatty Change | Mild                    |
| * Lung   | Peribronchiolr | Inflammation | Chronic Active, Minimal |
| * Lymph Node, Mandibular   |                | Necrosis     | Lymphoid, Mild          |
| * Lymph Node, Mesenteric   |                | Necrosis     | Lymphoid, Minimal       |
| * Nose   |                | Inflammation | Chronic Active, Mild    |
| * Spleen   |                | Atrophy      | Moderate                |
|  | Lymph Follic   | Necrosis     | Mild                    |
| * Testes   |                |              |                         |
| Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded. |                |              |                         |
| * Thymus   | Thymocyte      | Necrosis     | Marked                  |
| * Trachea  | Epithelium     | Necrosis     | Marked                  |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 5

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Kidney
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- \* Liver
  - Hepatocyte Fatty Change Moderate
  - Hepatocyte Necrosis Mild
  - [ Fatty Change TGLs = 1-3+4+5 ]
- \* Lung
  - Bronchiole, Epithelium Degeneration Mild
  - Peribronchiolr Inflammation Chronic Active, Mild
- \* Lymph Node, Mandibular
  - Atrophy Mild
- \* Lymph Node, Mesenteric
  - Atrophy Mild
- \* Nose
  - Olfactory Epi Necrosis Marked
  - Respirat Epith Necrosis Marked
- \* Spleen
  - Atrophy Moderate
  - [ Atrophy TGLs = 2-4 ]
- \* Testes
  - Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded.
- \* Thymus
  - Atrophy Moderate
- \* Trachea
  - Epithelium Necrosis Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 3

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Kidney
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thyroid Gland
- \* Urinary Bladder

MISSING

- \* Lymph Node, Mandibular
- \* Mammary Gland

OBSERVATIONS

- \* Liver: Hepatocyte Fatty Change Mild
- \* Lung: Bronchiole, Epithelium Degeneration Moderate
- Lymph Node: Peribronchiolr Inflammation Chronic Active, Mild
- Lymph Node: Bronchial Atrophy Mild
- \* Lymph Node, Mesenteric: Atrophy Mild
- \* Nose: Inflammation Chronic Active, Mild
- \* Parathyroid Gland: Note: Only one present (slide 03).
- \* Spleen: Atrophy Moderate
- Lymph Follic: Necrosis Moderate
- \* Testes: Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded.
- \* Thymus: Thymocyte Necrosis Marked
- \* Trachea: Epithelium Necrosis Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to markedly autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 250 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Preputial Gland
- \* Prostate
- \* Salivary Glands
- \* Seminal Vesicle
- \* Skin
- \* Spleen
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Testes
- \* Thymus
- \* Thyroid Gland
- \* Trachea
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

- |          |                        |                           |                         |
|----------|------------------------|---------------------------|-------------------------|
| * Kidney |                        | Inflammation              | Chronic Active, Mild    |
| * Liver  |                        | Inflammation              | Chronic Active, Minimal |
|          | Hepatocyte             | Vacuolization Cytoplasmic | Moderate                |
| * Lung   | Bronchiole, Epithelium | Degeneration              | Marked                  |
|          | Bronchiole, Epithelium | Regeneration              | Marked                  |
| * Nose   | Olfactory Epi          | Degeneration              | Mild                    |
|          |                        | Foreign Body              |                         |
|          | Glands                 | Hyperplasia               | Mild                    |
|          | Olfactory Epi          | Metaplasia                | Marked                  |
| * Testes |                        |                           |                         |

Note: Rete testis with adjacent tubuli recti - unilateral - normal, not coded.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 5

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Thyroid Gland
- \* Urinary Bladder

MISSING

- \* Mammary Gland

OBSERVATIONS

* Heart		Mineralization	Minimal
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Fatty Change	Moderate
	Hepatocyte	Necrosis	Mild
	[ Fatty Change TGLs = 2-3+4+5 ]		
* Lung	Bronchiole, Epithelium	Degeneration	Marked
	Peribronchiolr	Inflammation	Chronic Active, Mild
	Bronchiole, Epithelium	Regeneration	Mild
* Nose		Inflammation	Chronic Active, Moderate
* Spleen		Atrophy	Moderate
	[ Atrophy TGLs = 1-4 ]		
* Thymus		Atrophy	Moderate
	Thymocyte	Necrosis	Mild
* Trachea	Epithelium	Necrosis	Marked

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined histologically from this animal were mildly to mode rately autolyzed.

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 61

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406349

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             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

- |                  |             |                           |                         |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Minimal                 |
| * Liver          |             | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Minimal                 |
| * Parathyroid GI |             |                           |                         |

Note: Only one present (slide 03).

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 62

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406350

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             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

- |                  |             |                           |                         |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Mild                    |
| * Liver          |             | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte  | Necrosis                  | Minimal                 |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Minimal                 |



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 63

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406351

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             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

- |                  |             |                           |                         |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Mild                    |
| * Liver          |             | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte  | Necrosis                  | Minimal                 |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Minimal                 |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 64

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406352

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                     | * Spleen                  | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thymus                   | * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |
| * Uterus                   |                           |                             |                          |

OBSERVATIONS

- |                  |             |                           |                         |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Minimal                 |
| * Kidney         |             | Inflammation              | Chronic Active, Minimal |
| * Liver          |             | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Minimal                 |
| * Parathyroid GI |             |                           |                         |

Note: Only one present (slide 03).

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406353

**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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Thymus		Inflammation	Chronic Active, Minimal

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Trachea
- \* Blood Vessel
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lung
- \* Pancreas
- \* Skin
- \* Thymus
- \* Uterus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mandibular
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

MISSING

- \* Harderian Gland

OBSERVATIONS

- \* Adrenal Cortex
  - Subcapsular
    - Accessory Adrenal Cortical Nodule
    - Hyperplasia
- \* Harderian GI
  - Note: Harderian glands missing at trim.
- \* Liver
  - Hepatocyte
    - Inflammation
    - Vacuolization Cytoplasmic
  - Glands
    - Dilatation
    - Cyst
- \* Nose
- \* Ovary
- \* Parathyroid GI
  - Note: Only one present (slide 03).

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406355

**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	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Adrenal Cortex	Subcapsular	Hyperplasia	Minimal
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Nose	Glands	Dilatation	Mild

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406356

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                 | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thymus                 |
| * Thyroid Gland            | * Trachea                 | * Urinary Bladder           | * Uterus                 |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                  |             |                           |                         |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Mild                    |
| * Kidney         |             | Inflammation              | Chronic Active, Minimal |
| * Liver          |             | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Minimal                 |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 69

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406357

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             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

- |                  |             |                           |                         |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Minimal                 |
| * Liver          |             | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Minimal                 |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 70

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406358

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             | * Nose                   |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Spleen                    | * Stomach, Forestomach   |
| * Stomach, Glandular       | * Thymus                  | * Thyroid Gland             | * Trachea                |
| * Urinary Bladder          | * Uterus                  |                             |                          |

OBSERVATIONS

- |                  |             |                           |                      |
|------------------|-------------|---------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia               | Minimal              |
| * Liver          |             | Inflammation              | Chronic Active, Mild |
|                  | Hepatocyte  | Necrosis                  | Mild                 |
|                  | Hepatocyte  | Vacuolization Cytoplasmic | Minimal              |



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 71

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406359

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Necrosis

Minimal

Hepatocyte

Vacuolization Cytoplasmic

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 72

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406360

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 73

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406361

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 74

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406362

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 75

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406363

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Mild

Lung

Peribronchiolr

Inflammation

Chronic Active, Mild

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 76

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406364

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Minimal

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 77

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406365

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Minimal

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 78

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406366

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 79

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406367

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 80

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 15 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406368

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 81

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406369

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Trachea

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Moderate

Thymus

Thymocyte

Necrosis

Minimal

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 82

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406370

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 83

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406371

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 84

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406372

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Mild

Lung

Peribronchiolr

Inflammation

Chronic Active, Mild

Bronchiole, Epithelium

Regeneration

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 85

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406373

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 86

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406374

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Minimal

---



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 87

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406375

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 88

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406376

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 89

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406377

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Minimal

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 90

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 30 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406378

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 91

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406379

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Moderate

Nose

Olfactory Epi

Degeneration

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 92

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406380

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Moderate

Lung

Peribronchiolr

Inflammation

Chronic Active, Mild

Bronchiole, Epithelium

Regeneration

Minimal

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 93

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406381

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 94

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406382

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Moderate



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 95

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406383

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Minimal

Nose

Olfactory Epi

Degeneration

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 96

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406384

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Mild

Nose

Olfactory Epi

Degeneration

Minimal

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 97

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406385

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Thymus

Trachea

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Chronic Active, Minimal

Vacuolization Cytoplasmic

Moderate

Spleen

Hematopoietic Cell Proliferation

Mild

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 98

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406386

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Nose

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Hepatocyte

Inflammation

Vacuolization Cytoplasmic

Chronic Active, Minimal

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

---

**ANIMAL ID:** 99

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406387

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Thymus

Trachea

---

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Nose

Olfactory Epi

Degeneration

Mild

---

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

**ANIMAL ID:** 100

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 60 MG/KG

**DISP:** Terminal Sacrifice

**HISTO:** 0406388

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Lung

Lymph Node, Mandibular

Lymph Node, Mesenteric

Spleen

Thymus

Trachea

**OBSERVATIONS**

Liver

Inflammation

Chronic Active, Minimal

Hepatocyte

Vacuolization Cytoplasmic

Minimal

Nose

Olfactory Epi

Degeneration

Mild

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 101

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406389

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, Mesenteric |
| * Mammary Gland            | * Nose                    | * Ovary                     | * Pancreas               |
| * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

- |                          |                        |                           |                          |
|--------------------------|------------------------|---------------------------|--------------------------|
| * Adrenal Cortex         | Subcapsular            | Hyperplasia               | Mild                     |
| * Liver                  |                        | Inflammation              | Chronic Active, Minimal  |
| * Lung                   | Hepatocyte             | Vacuolization Cytoplasmic | Mild                     |
|                          | Bronchiole, Epithelium | Degeneration              | Moderate                 |
|                          | Alveolus               | Infiltration Cellular     | Histiocyte, Moderate     |
|                          | Peribronchiolr         | Inflammation              | Chronic Active, Moderate |
|                          | Bronchiole, Epithelium | Regeneration              | Marked                   |
| * Lymph Node, Mandibular |                        | Necrosis                  | Lymphoid, Minimal        |
| * Thymus                 | Thymocyte              | Necrosis                  | Mild                     |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 102

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Blood Vessel
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Uterus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                  |                        |                           |                         |
|------------------|------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular            | Hyperplasia               | Mild                    |
| * Liver          |                        | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte             | Vacuolization Cytoplasmic | Minimal                 |
| * Lung           | Peribronchiolr         | Inflammation              | Chronic Active, Minimal |
|                  | Bronchiole, Epithelium | Regeneration              | Moderate                |
| * Nose           | Olfactory Epi          | Degeneration              | Moderate                |
|                  | Glands                 | Hyperplasia               | Mild                    |
|                  | Olfactory Epi          | Metaplasia                | Mild                    |
| * Thymus         | Thymocyte              | Necrosis                  | Mild                    |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 103

TRT#: 10

SEX: Female

DAY ON TEST: 4

DOSE: 125 MG/KG

DISP: Natural Death

HISTO: 0406391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* 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
- \* Liver
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Parathyroid Gland
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Urinary Bladder
- \* Uterus

OBSERVATIONS

- |                          |  |                              |                                    |
|--------------------------|--|------------------------------|------------------------------------|
| * Lung                   | Bronchiole, Epithelium<br>Peribronchiolr | Degeneration<br>Inflammation | Marked<br>Chronic Active, Moderate |
| * Lymph Node, Mandibular |  | Necrosis                     | Lymphoid, Mild                     |
| * Lymph Node, Mesenteric |  | Necrosis                     | Lymphoid, Mild                     |
| * Nose                   |  | Inflammation                 | Chronic Active, Mild               |
| * Spleen                 |  | Atrophy                      | Moderate                           |
|                          | Lymph Follic                             | Necrosis                     | Mild                               |
| * Thymus                 |  | Atrophy                      | Moderate                           |
|                          | Thymocyte                                | Necrosis                     | Mild                               |
| * Trachea                | Epithelium                               | Necrosis                     | Marked                             |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 104

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Parathyroid Gland
- \* Spleen
- \* Trachea
- \* Blood Vessel
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Uterus
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Skin
- \* Thyroid Gland

OBSERVATIONS

- |   |                        |                           |                      |
|---|------------------------|---------------------------|----------------------|
| * Adrenal Cortex                                  | Subcapsular            | Hyperplasia               | Minimal              |
| * Eye   |                        |                           |                      |
| Note: No optic nerve found in block or wet tissue |                        |                           |                      |
| * Liver   | Hepatocyte             | Necrosis                  | Mild                 |
|   | Hepatocyte             | Vacuolization Cytoplasmic | Mild                 |
| * Lung  | Bronchiole, Epithelium | Degeneration              | Mild                 |
|   | Alveolus               | Infiltration Cellular     | Histiocyte, Mild     |
|   | Peribronchiolr         | Inflammation              | Chronic Active, Mild |
|   | Bronchiole, Epithelium | Regeneration              | Moderate             |
| * Nose  | Olfactory Epi          | Degeneration              | Mild                 |
|   | Glands                 | Hyperplasia               | Mild                 |
| * Parathyroid Gl                                  |                        |                           |                      |
| Note: Only one present (slide 03).                |                        |                           |                      |
| * Thymus  | Thymocyte              | Necrosis                  | Mild                 |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 105

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406393

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        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

- |                  |                        |                           |                         |
|------------------|------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular            | Hyperplasia               | Mild                    |
| * Liver          |                        | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte             | Vacuolization Cytoplasmic | Marked                  |
| * Lung           | Bronchiole, Epithelium | Degeneration              | Minimal                 |
|                  | Alveolus               | Infiltration Cellular     | Histiocyte, Mild        |
|                  | Peribronchiolr         | Inflammation              | Chronic Active, Mild    |
|                  | Bronchiole, Epithelium | Regeneration              | Moderate                |
| * Nose           | Olfactory Epi          | Degeneration              | Mild                    |
|                  | Glands                 | Hyperplasia               | Mild                    |
| * Thymus         | Thymocyte              | Necrosis                  | Mild                    |

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 106

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406394

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        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

- |                                    |                        |                           |                          |
|------------------------------------|------------------------|---------------------------|--------------------------|
| * Adrenal Cortex                   | Subcapsular            | Hyperplasia               | Mild                     |
| * Liver                            |                        | Inflammation              | Chronic Active, Minimal  |
|                                    | Hepatocyte             | Vacuolization Cytoplasmic | Moderate                 |
| * Lung                             | Bronchiole, Epithelium | Degeneration              | Minimal                  |
|                                    | Alveolus               | Infiltration Cellular     | Histiocyte, Minimal      |
|                                    | Peribronchiolr         | Inflammation              | Chronic Active, Moderate |
| * Nose                             | Olfactory Epi          | Degeneration              | Moderate                 |
|                                    | Glands                 | Hyperplasia               | Mild                     |
|                                    | Olfactory Epi          | Metaplasia                | Moderate                 |
| * Parathyroid GI                   |                        |                           |                          |
| Note: Only one present (slide 03). |                        |                           |                          |
| * Thymus                           | Thymocyte              | Necrosis                  | Mild                     |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 107

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Medulla
- \* Brain
- \* Gallbladder
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Lymph Node, Mesenteric
- \* Pituitary Gland
- \* Stomach, Forestomach
- \* Urinary Bladder
- \* Blood Vessel
- \* Clitoral Gland
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Islets, Pancreatic
- \* Mammary Gland
- \* Salivary Glands
- \* Stomach, Glandular
- \* Uterus
- \* Bone
- \* Esophagus
- \* Heart
- \* Intestine Small, Duodenum
- \* Kidney
- \* Ovary
- \* Skin
- \* Thyroid Gland
- \* Bone Marrow
- \* Eye
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Lymph Node, Mandibular
- \* Pancreas
- \* Spleen
- \* Trachea

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                  |                        |                           |                         |
|------------------|------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular            | Hyperplasia               | Mild                    |
| * Liver          |                        | Inflammation              | Chronic Active, Minimal |
|                  | Hepatocyte             | Vacuolization Cytoplasmic | Moderate                |
| * Lung           | Alveolus               | Infiltration Cellular     | Histiocyte, Mild        |
|                  | Peribronchiolr         | Inflammation              | Chronic Active, Mild    |
|                  | Bronchiole, Epithelium | Regeneration              | Moderate                |
| * Nose           | Olfactory Epi          | Degeneration              | Mild                    |
|                  | Glands                 | Hyperplasia               | Moderate                |
|                  | Olfactory Epi          | Metaplasia                | Mild                    |
| * Thymus         | Thymocyte              | Necrosis                  | Mild                    |

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 109

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 125 MG/KG

DISP: Terminal Sacrifice

HISTO: 0406397

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        | * Pituitary Gland         | * Salivary Glands           | * Skin                   |
| * Spleen                   | * Stomach, Forestomach    | * Stomach, Glandular        | * Thyroid Gland          |
| * Trachea                  | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

- |  |                        |                           |                         |
|--|------------------------|---------------------------|-------------------------|
| * Adrenal Cortex                                   | Subcapsular            | Hyperplasia               | Mild                    |
| * Eye  |                        |                           |                         |
| Note: No optic nerve found in block or wet tissue. |                        |                           |                         |
| * Liver  | Hepatocyte             | Inflammation              | Chronic Active, Minimal |
|  | Alveolus               | Vacuolization Cytoplasmic | Moderate                |
| * Lung   | Peribronchiolr         | Infiltration Cellular     | Histiocyte, Mild        |
|  | Bronchiole, Epithelium | Inflammation              | Chronic Active, Mild    |
| * Nose   | Olfactory Epi          | Regeneration              | Moderate                |
|  | Glands                 | Degeneration              | Moderate                |
|  |                        | Hyperplasia               | Mild                    |
| * Parathyroid GI                                   |                        |                           |                         |
| Note: Only one present (slide 03).                 |                        |                           |                         |
| * Thymus   | Thymocyte              | Necrosis                  | Mild                    |

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 110

TRT#: 10

SEX: Female

DAY ON TEST: 4

DOSE: 125 MG/KG

DISP: Natural Death

HISTO: 0406398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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                    |
| * Liver                  | * Mammary Gland            | * Ovary                   | * Pancreas                  |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thyroid Gland            | * Urinary Bladder         | * Uterus                    |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |                          |  |  |  |
|--------------------------|--|--|--|
| * Lung                   | Bronchiole, Epithelium<br>Peribronchiolr | Degeneration<br>Inflammation<br>Necrosis | Marked<br>Chronic Active, Moderate<br>Lymphoid, Mild |
| * Lymph Node, Mandibular |  | Necrosis                                 | Lymphoid, Mild                                       |
| * Lymph Node, Mesenteric |  | Necrosis                                 | Lymphoid, Mild                                       |
| * Nose                   | Olfactory Epi                            | Degeneration                             | Moderate   |
| * Spleen                 |  | Atrophy                                  | Moderate   |
|                          | Lymph Follic                             | Necrosis                                 | Mild   |
| * Thymus                 |  | Atrophy                                  | Moderate   |
|                          | Thymocyte                                | Necrosis                                 | Mild   |
| * Trachea                | Epithelium                               | Necrosis                                 | Marked   |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.





Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 5

DOSE: 250 MG/KG

DISP: Moribund Sacrifice

HISTO: 0406400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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 | * Mammary Gland            | * Ovary                   | * Pancreas                  |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thyroid Gland            | * Uterus                  |                             |

MISSING

- |                     |                   |
|---------------------|-------------------|
| * Parathyroid Gland | * Urinary Bladder |
|---------------------|-------------------|

OBSERVATIONS

- \* Int Sm Duoden

Note: Section of duodenum on slide #04.

- |                          |                        |              |                      |
|--------------------------|------------------------|--------------|----------------------|
| * Liver                  | Hepatocyte             | Fatty Change | Moderate             |
| * Lung                   | Bronchiole, Epithelium | Degeneration | Moderate             |
|                          | Peribronchiolr         | Inflammation | Chronic Active, Mild |
| * Lymph Node, Mesenteric |                        | Atrophy      | Mild                 |
| * Nose                   |                        | Inflammation | Chronic Active, Mild |
| * Spleen                 |                        | Atrophy      | Mild                 |
| * Thymus                 |                        | Atrophy      | Moderate             |
|                          | Thymocyte              | Necrosis     | Mild                 |
| * Trachea                | Epithelium             | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically for this animal were mildly to mark edly autolyzed.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 2

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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                    |
| * Mammary Gland          | * Nose                     | * Ovary                   | * Pancreas                  |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thyroid Gland            | * Urinary Bladder         | * Uterus                    |

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |           |                        |              |                      |
|-----------|------------------------|--------------|----------------------|
| * Liver   | Hepatocyte             | Fatty Change | Mild                 |
| * Lung    | Bronchus, Epithelium   | Degeneration | Mild                 |
|           | Bronchiole, Epithelium | Degeneration | Mild                 |
|           | Peribronchiolr         | Inflammation | Chronic Active, Mild |
|           | Renal                  | Necrosis     | Lymphoid, Mild       |
|           |                        | Necrosis     | Lymphoid, Mild       |
|           |                        | Necrosis     | Lymphoid, Mild       |
| * Spleen  | Lymph Follic           | Necrosis     | Mild                 |
| * Thymus  | Thymocyte              | Necrosis     | Marked               |
| * Trachea | Epithelium             | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to markedly autolyzed.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 3

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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                    |
| * Mammary Gland          | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thyroid Gland            | * Urinary Bladder         | * Uterus                    |

OBSERVATIONS

- |                          |                         |              |                      |
|--------------------------|-------------------------|--------------|----------------------|
| * Liver                  | Hepatocyte              | Fatty Change | Moderate             |
|                          | Hepatocyte              | Necrosis     | Moderate             |
|                          | [ Necrosis TGLs = 2-4 ] |              |                      |
| * Lung                   | Bronchiole, Epithelium  | Degeneration | Mild                 |
|                          | Peribronchiolr          | Inflammation | Chronic Active, Mild |
| * Lymph Node, Mandibular |                         | Atrophy      | Moderate             |
| * Lymph Node, Mesenteric |                         | Atrophy      | Mild                 |
| * Nose                   |                         | Inflammation | Chronic Active, Mild |
| * Spleen                 |                         | Atrophy      | Moderate             |
|                          | [ Atrophy TGLs = 1-4 ]  |              |                      |
| * Thymus                 |                         | Atrophy      | Moderate             |
|                          | Thymocyte               | Necrosis     | Moderate             |
| * Trachea                | Epithelium              | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to moderately autolyzed.



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 4

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                            |                           |                             |                          |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex           | * Adrenal Medulla         | * Blood Vessel              | * Bone                   |
| * Bone Marrow              | * 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      | * Kidney                    | * Mammary Gland          |
| * Ovary                    | * Pancreas                | * Parathyroid Gland         | * Pituitary Gland        |
| * Salivary Glands          | * Skin                    | * Stomach, Forestomach      | * Stomach, Glandular     |
| * Thyroid Gland            | * Urinary Bladder         | * Uterus                    |                          |

OBSERVATIONS

- |                          |                        |              |                      |
|--------------------------|------------------------|--------------|----------------------|
| * Eye                    | Cornea                 | Inflammation | Chronic Active, Mild |
| * Liver                  | Hepatocyte             | Fatty Change | Moderate             |
|                          | Hepatocyte             | Necrosis     | Mild                 |
| * Lung                   | Bronchiole, Epithelium | Degeneration | Mild                 |
|                          | Peribronchiolr         | Inflammation | Chronic Active, Mild |
| * Lymph Node, Mandibular |                        | Atrophy      | Moderate             |
| * Lymph Node, Mesenteric |                        | Atrophy      | Moderate             |
| * Nose                   |                        | Inflammation | Chronic Active, Mild |
| * Spleen                 |                        | Atrophy      | Mild                 |
| * Thymus                 |                        | Atrophy      | Moderate             |
|                          | Thymocyte              | Necrosis     | Minimal              |
| * Trachea                | Epithelium             | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 2

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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                    |
| * Liver                  | * Mammary Gland            | * Nose                    | * Ovary                     |
| * Pancreas               | * Parathyroid Gland        | * Pituitary Gland         | * Salivary Glands           |
| * Skin                   | * Stomach, Forestomach     | * Stomach, Glandular      | * Thyroid Gland             |
| * Urinary Bladder        | * Uterus                   |                           |                             |

OBSERVATIONS

- |                          |                |              |                      |
|--------------------------|----------------|--------------|----------------------|
| * Lung                   | Peribronchiolr | Inflammation | Chronic Active, Mild |
| Lymph Node               | Inguinal       | Necrosis     | Lymphoid, Mild       |
| * Lymph Node, Mandibular |                | Necrosis     | Lymphoid, Mild       |
| * Lymph Node, Mesenteric |                | Necrosis     | Lymphoid, Mild       |
| * Spleen                 | Lymph Follic   | Necrosis     | Mild                 |
| [ Necrosis TGLs = 1-4 ]  |                |              |                      |
| * Thymus                 | Thymocyte      | Necrosis     | Marked               |
| * Trachea                | Epithelium     | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 4

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- \* Adrenal Cortex
- \* Adrenal Medulla
- \* Blood Vessel
- \* Bone
- \* 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
- \* Mammary Gland
- \* Ovary
- \* Pancreas
- \* Pituitary Gland
- \* Salivary Glands
- \* Skin
- \* Stomach, Forestomach
- \* Stomach, Glandular
- \* Thyroid Gland
- \* Urinary Bladder
- \* Uterus

MISSING

- \* Parathyroid Gland

OBSERVATIONS

- |  |                        |                |                         |
|--|------------------------|----------------|-------------------------|
| * Heart                                    |                        | Mineralization | Minimal                 |
| * Liver                                    | Hepatocyte             | Fatty Change   | Moderate                |
|  |                        | Inflammation   | Chronic Active, Minimal |
|  | Hepatocyte             | Necrosis       | Mild                    |
| * Lung                                     | Bronchiole, Epithelium | Degeneration   | Moderate                |
|  | Peribronchiolr         | Inflammation   | Chronic Active, Mild    |
| * Lymph Node, Mandibular                   |                        | Atrophy        | Mild                    |
| * Lymph Node, Mesenteric                   |                        | Atrophy        | Marked                  |
| * Nose                                     |                        | Inflammation   | Chronic Active, Mild    |
| Skeletal Muscle                            |                        | Inflammation   | Chronic Active, Minimal |
| Note: Skeletal muscle lesion on Slide #02. |                        |                |                         |
| * Spleen                                   |                        | Atrophy        | Moderate                |
|  | Lymph Follic           | Necrosis       | Mild                    |
| * Thymus                                   |                        | Atrophy        | Moderate                |
|  | Thymocyte              | Necrosis       | Moderate                |
| * Trachea                                  | Epithelium             | Necrosis       | Marked                  |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20107 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 09/07/2016

Time Report Requested: 14:11:20

First Dose M/F: 10/23/03 / 10/22/03

Lab: BAT

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 5

DOSE: 250 MG/KG

DISP: Natural Death

HISTO: 0406407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- |                          |                            |                           |                             |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex         | * 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                    |
| * Mammary Gland          | * Ovary                    | * Pancreas                | * Parathyroid Gland         |
| * Pituitary Gland        | * Salivary Glands          | * Skin                    | * Stomach, Forestomach      |
| * Stomach, Glandular     | * Thyroid Gland            | * Urinary Bladder         | * Uterus                    |

MISSING

- \* Lymph Node, Mandibular

OBSERVATIONS

- |                                    |                        |              |                      |
|------------------------------------|------------------------|--------------|----------------------|
| * Liver                            | Hepatocyte             | Fatty Change | Moderate             |
|                                    | Hepatocyte             | Necrosis     | Mild                 |
| * Lung                             | Bronchiole, Epithelium | Degeneration | Mild                 |
|                                    | Peribronchiolr         | Inflammation | Chronic Active, Mild |
| * Lymph Node, Mesenteric           |                        | Atrophy      | Moderate             |
| * Nose                             |                        | Inflammation | Chronic Active, Mild |
| * Parathyroid GI                   |                        |              |                      |
| Note: Only one present (slide 03). |                        |              |                      |
| * Spleen                           |                        | Atrophy      | Mild                 |
| * Thymus                           |                        | Atrophy      | Moderate             |
| * Trachea                          | Epithelium             | Necrosis     | Marked               |

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: Some of the tissues examined microscopically from this animal were mildly to mar kedly autolyzed.



**Experiment Number:** 20107 - 02

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** MICE/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

N,N-Dimethyl-p-toluidine

**CAS Number:** 99-97-8

**Date Report Requested:** 09/07/2016

**Time Report Requested:** 14:11:20

**First Dose M/F:** 10/23/03 / 10/22/03

**Lab:** BAT

\*\*\* END OF REPORT \*\*\*