

**Experiment Number:** 99031-01  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 18:40:41  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99031
<b>Lock Date:</b>	10/07/2004
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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Date Report Requested: 10/22/2014

Time Report Requested: 18:40:41

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Parasite Metazoan	1										1 1.0
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule					X						1
Inflammation, Chronic	1		1	1	1	1					5 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy					1						1 1.0
Infiltration Cellular, Lymphocyte	1			1		1					3 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic			1								1 1.0

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Lab: BAT

F 344/N Rat Male  
0 MG/KG

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	3	3	3	3	3	3	3	3	3	3		
Cardiomyopathy	1	1	1	1	1	1	1	1	1	1	10	1.0
<b>Endocrine System</b>												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Vacuolization Cytoplasmic	1	1	1	1	1	1	1	1	1	1	10	1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	+	M	+	M	+	+	+	+	+	+	8	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
<b>General Body System</b>												
NONE												
<b>Genital System</b>												
Epididymis	+	+	+	+	+	+	+	+	+	+	10	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10	
Prostate	+	+	+	+	+	+	+	+	+	+	10	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10	
Testes	+	+	+	+	+	+	+	+	+	+	10	
<b>Hematopoietic System</b>												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	

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0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	10	
<b>Integumentary System</b>												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
<b>Musculoskeletal System</b>												
Bone	+	+	+	+	+	+	+	+	+	+	10	
<b>Nervous System</b>												
Brain	+	+	+	+	+	+	+	+	+	+	10	
<b>Respiratory System</b>												
Lung	+	+	+	+	+	+	+	+	+	+	10	
Alveolar Epith, Hyperplasia, Focal	1			1	1	1		1			5	1.0
Alveolus, Infiltration Cellular, Histiocyte, Focal	1		1	1	1	1		1			6	1.0
Metaplasia, Osseous										1	1	1.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Acute										1	1	1.0
Olfactory Epi, Metaplasia, Respiratory									1		1	1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10	

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Lab: BAT

F 344/N Rat Male  
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Special Senses System

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte						1					1 1.0

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization				1	1			1	1	1	5 1.0
Nephropathy	1	1	1	1	1		1			1	7 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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Date Report Requested: 10/22/2014

Time Report Requested: 18:40:41

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
62.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Fatty Change	2	2	1	1	1	1	1	2	1	2	10	1.4
Hepatocyte, Hypertrophy	1	1	1	1	1	1	1	1	1	1	10	1.0
Inflammation, Chronic	1	1			1		1	1		1	6	1.0

Cardiovascular System

NONE												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Vacuolization Cytoplasmic	1	1	1	1	1	1	1	1	1	1	10	1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cel, Hypertrophy		1	1								2	1.0

General Body System

NONE												
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Genital System

NONE												
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Hematopoietic System

NONE												
------	--	--	--	--	--	--	--	--	--	--	--	--

Integumentary System

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+ ..Tissue examined microscopically

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Lab: BAT

F 344/N Rat Male  
62.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Foreign Body									X		1
Goblet Cell, Hyperplasia									1		1 1.0
Goblet Cell, Respirat Epith, Hyperplasia	1										1 1.0
Inflammation, Chronic									1		1 1.0
Respirat Epith, Hyperplasia									1		1 1.0

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1			1		1	1	1	1	1	7 1.0

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Species/Strain: Rat/F 344/N

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Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:41

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
125 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Fatty Change	2	2	2	1	2	2	2	1	2	1	10	1.7
Hepatocyte, Hypertrophy	2	1	1	1	2	1	1	1	1	1	10	1.2
Inflammation, Chronic	1	1	1	1	1	1	1		1		8	1.0

Cardiovascular System

NONE												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Vacuolization Cytoplasmic	1	1	1	1	1	2	1	1	1	1	10	1.1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

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Species/Strain: Rat/F 344/N

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Time Report Requested: 18:40:41

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
125 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10		
Goblet Cell, Hyperplasia				1							1	1.0	
Respirat Epith, Hyperplasia				1							1	1.0	

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10		
Nephropathy	1	1	1		1	1	1			1	7	1.0	
Renal Tubule, Accumulation, Hyaline Droplet								2			1	2.0	

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Route: GAVAGE

CAS Number: 90045-36-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
250 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Fatty Change	2	2	2	2	2	1	2	2	2	1	10	1.8
Hepatocyte, Hypertrophy	2	2	2	2	2	1	2	2	1	1	10	1.7
Inflammation, Chronic	1	1	1		1	1	1	1	1	1	9	1.0
Necrosis								1			1	1.0

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Vacuolization Cytoplasmic	2	2	1	1	1	1	2	1	1	2	10	1.4
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cel, Hypertrophy	1			2						1	3	1.3

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
250 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Foreign Body			X								1
Goblet Cell, Respirat Epith, Hyperplasia			1								1 1.0
Inflammation, Chronic Active			1								1 1.0
Transit Epithe, Hyperplasia			1								1 1.0

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1	1			1	1			1	1	6 1.0

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
500 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Fatty Change	2	2	2	2	2	1	2	2	1	1	10	1.7
Hepatocyte, Hypertrophy	2	2	2	2	2	2	2	2	3	3	10	2.2
Inflammation, Chronic	1	1	1	1	1	1	1	1	1		9	1.0

Cardiovascular System

NONE												
Endocrine System												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Vacuolization Cytoplasmic	2	2	2	2	1	2	2	2	2	2	10	1.9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cel, Hypertrophy	2	2	2	1	1	1	1	1	1	1	10	1.3

General Body System

NONE												
------	--	--	--	--	--	--	--	--	--	--	--	--

Genital System

NONE												
------	--	--	--	--	--	--	--	--	--	--	--	--

Hematopoietic System

NONE												
------	--	--	--	--	--	--	--	--	--	--	--	--

Integumentary System

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:41

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
500 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Nose + + + + + + + + + + 10

Goblet Cell, Respirat Epith, Hyperplasia 1 1 2 1.0

Olfactory Epi, Metaplasia, Respiratory 1 1.0

Olfactory Epi, Pigmentation 1 1 1 1 5 1.0

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + 10

Nephropathy 1 1 1 1 1 1 6 1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:41

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Bile Duct, Hyperplasia					1						1 1.0
Hepatocyte, Fatty Change	1	1	2	2	1	1	1	1	2	1	10 1.3
Hepatocyte, Hypertrophy	3	3	3	3	3	3	3	3	3	3	10 3.0
Hepatodiaphragmatic Nodule			X								1
Inflammation, Chronic		1		1		1	1	1		1	6 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic	1										1 1.0

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
	<b>*TOTALS</b>										

Cardiomyopathy	1		1	2		1		1	1	1	7	1.1
<b>Endocrine System</b>												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Vacuolization Cytoplasmic	2	2	2	2	1	2	2	1	2	1	10	1.7
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cel, Hypertrophy	2	2	2	2	2	2	2	2	2	2	10	2.0
<b>General Body System</b>												
NONE												
<b>Genital System</b>												
Epididymis	+	+	+	+	+	+	+	+	+	+	10	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10	
Prostate	+	+	+	+	+	+	+	+	+	+	10	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10	
Testes	+	+	+	+	+	+	+	+	+	+	10	
<b>Hematopoietic System</b>												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0	

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
<b>Integumentary System</b>											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
<b>Musculoskeletal System</b>											
Bone	+	+	+	+	+	+	+	+	+	+	10
<b>Nervous System</b>											
Brain	+	+	+	+	+	+	+	+	+	+	10
<b>Respiratory System</b>											
Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolar Epith, Hyperplasia, Focal										1	1 1.0
Alveolus, Infiltration Cellular, Histiocyte, Focal			1							1	2 1.0
Interstitialium, Inflammation										1	1 1.0
Metaplasia, Osseous										1	1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic										1	1 1.0
Olfactory Epi, Pigmentation	1	1	1				1	1	1	1	7 1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue

M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked



Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Trachea	+	+	+	+	+	+	+	+	+	+	10
<b>Special Senses System</b>											
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
<b>Urinary System</b>											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1							1	1	1	4 1.0
Nephropathy	1			1	1	1	1	1	1	1	8 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

\*\*\*END OF MALE DATA\*\*\*

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: Ginkgo biloba extract

Time Report Requested: 18:40:42

Route: GAVAGE

CAS Number: 90045-36-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female 0 MG/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	6	6	6	6	6	6	6	6	6	7		
	1	2	3	4	5	6	7	8	9	0		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule				X							1
Inflammation, Chronic		1			1	1		1	1		5 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte	1									2	2 1.5
Inflammation, Chronic				1							1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy	1		1		1						3 1.0

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
0 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	7	7
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Cyst			X								1
Ectopic Thymus						2		1			2 1.5

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Endometrium, Hyperplasia, Cystic							1	1			2 1.0

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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1-4 ..Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
0 MG/KG

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
<b>Integumentary System</b>											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
<b>Musculoskeletal System</b>											
Bone	+	+	+	+	+	+	+	+	+	+	10
<b>Nervous System</b>											
Brain	+	+	+	+	+	+	+	+	+	+	10
<b>Respiratory System</b>											
Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolar Epith, Hyperplasia, Focal							1				1 1.0
Alveolus, Infiltration Cellular, Histiocyte, Focal				1	1		1				3 1.0
Metaplasia, Osseous	1										1 1.0
Pigmentation, Hemosiderin		1									1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Foreign Body									X	X	2
Inflammation, Chronic									1	1	2 1.0
Olfactory Epi, Metaplasia, Respiratory						1					1 1.0
Respirat Epith, Hyperplasia									1	1	2 1.0

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
0 MG/KG

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	9	9	9	9	9	9	9	9	9	9		
	3	3	3	3	3	3	3	3	3	3		
Transit Epithe, Hyperplasia	0	0	0	0	0	0	0	0	0	0	1	1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10	
<b>Special Senses System</b>												
Eye	+	+	+	+	+	+	+	+	+	+	10	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10	
<b>Urinary System</b>												
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Mineralization	1	1	1	1		1	1				6 1.0	
Nephropathy							1				1 1.0	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
62.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatocyte, Hypertrophy						1					1 1.0
Hepatodiaphragmatic Nodule						X					1
Inflammation, Chronic	1			1	1	1		1	1		6 1.0

Cardiovascular System

NONE

Endocrine System

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	----

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
62.5 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

NONE  
Nervous System

NONE  
Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Olfactory Epi, Metaplasia, Respiratory										1	1 1.0

Special Senses System

NONE  
Urinary System

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
125 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic			1	1	1	1	1	1		1	7 1.0

Cardiovascular System

NONE

Endocrine System

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	----

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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1) Minimal 3) Moderate

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Experiment Number: 99031-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/22/2014

Test Type: 90-DAY

Test Compound: Ginkgo biloba extract

Time Report Requested: 18:40:42

Route: GAVAGE

CAS Number: 90045-36-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
125 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

NONE  
Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic Active	1										1	1.0
Olfactory Epi, Atrophy	1										1	1.0
Olfactory Epi, Pigmentation	1	1	1		1					1	5	1.0
Respirat Epith, Hyperplasia	1										1	1.0

Special Senses System

NONE  
Urinary System

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01  
 Test Type: 90-DAY  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Test Compound: Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 10/22/2014  
 Time Report Requested: 18:40:42  
 First Dose M/F: NA / NA  
 Lab: BAT

**F 344/N Rat Female  
 250 MG/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	<b>*TOTALS</b>									

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule										X	1
Inflammation, Chronic				1	1		1	1		1	5 1.0

**Cardiovascular System**

NONE

**Endocrine System**

Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
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**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
250 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Nervous System

NONE

Respiratory System

Nose + + + + + + + + + + 10

Olfactory Epi, Pigmentation 1 1 1 1 1 5 1.0

Special Senses System

NONE

Urinary System

NONE

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:42

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
500 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Hypertrophy	1	1	1	1	2	1	1	2	1		9	1.2
Hepatodiaphragmatic Nodule							X				1	
Inflammation, Chronic	1	1	1	1	2		1		1	1	8	1.1

Cardiovascular System

NONE												
Endocrine System												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cel, Hypertrophy				1			1	1			3	1.0

General Body System

NONE												
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Genital System

NONE												
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Hematopoietic System

NONE												
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Integumentary System

NONE												
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\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:43

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
500 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active			1								1 1.0
Olfactory Epi, Atrophy			2			1		1			3 1.3
Olfactory Epi, Pigmentation	1	1	2		1	1	2	1	1	1	9 1.2
Transit Epithe, Hyperplasia			1								1 1.0

Special Senses System

NONE

Urinary System

NONE

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Species/Strain: Rat/F 344/N

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Time Report Requested: 18:40:43

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Muscularis, Inflammation, Chronic	2							1			2	1.5
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatocyte, Hypertrophy	2	1	1	1	1	1	1	1	1	1	10	1.1
Inflammation, Chronic	1	1			1			1	1	1	6	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Lymphocyte				1							1	1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10	
Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy	1	1			1			1	1	1	6	1.0

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X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:43

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	9	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
Follicular Cel, Hypertrophy			1	1	1		1			1	5	1.0

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10	
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Endometrium, Hyperplasia, Cystic										1	1	1.0

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

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X ..Lesion present

I ..Insufficient tissue

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2) Mild 4) Marked

Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:43

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	<b>*TOTALS</b>									

Thymus	+	+	+	+	+	+	+	+	+	+	10
<b>Integumentary System</b>											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
<b>Musculoskeletal System</b>											
Bone	+	+	+	+	+	+	+	+	+	+	10
<b>Nervous System</b>											
Brain	+	+	+	+	+	+	+	+	+	+	10
<b>Respiratory System</b>											
Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolar Epith, Hyperplasia, Focal			1	1		2					3 1.3
Alveolus, Infiltration Cellular, Histiocyte, Focal			1	1							2 1.0
Infiltration Cellular, Histiocyte, Focal						2					1 2.0
Pigmentation, Hemosiderin						2					1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Glands, Goblet Cell, Hyperplasia							2				1 2.0
Inflammation, Chronic								1			1 1.0
Inflammation, Chronic Active			1					1			2 1.0
Olfactory Epi, Atrophy			2					3	2		3 2.3
Olfactory Epi, Pigmentation			2		2	1	1	2	2	1	7 1.6

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

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X ..Lesion present

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1-4 ..Lesion qualified as:

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Experiment Number: 99031-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 10/22/2014

Time Report Requested: 18:40:43

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
1000 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0	<b>*TOTALS</b>				
Transit Epithe, Hyperplasia										1	1	1.0			
Trachea	+	+	+	+	+	+	+	+	+	+	+	10			
<b>Special Senses System</b>															
Eye	+	+	+	+	+	+	+	+	+	+	+	10			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	10			
Infiltration Cellular, Lymphocyte			3									1	3.0		
<b>Urinary System</b>															
Kidney	+	+	+	+	+	+	+	+	+	+	+	10			
Mineralization	1			1		1				1	1	5	1.0		
Nephropathy	1									1		2	1.0		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	10			

\*\* END OF REPORT \*\*

\* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked