

**Experiment Number:** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

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

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

**Date Report Requested:** 02/27/2012  
**Time Report Requested:** 10:34:36  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

F1\_Rev.1\_M3

**NTP Study Number:** C99031  
**Lock Date:** 05/05/2008  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** 04/14/2011

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	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	
	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

males (cont...)

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Gallbladder Inflammation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M
Intestine Large, Cecum Hyperplasia, Lymphoid Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Ectopic Tissue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Inflammation Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Hyperplasia, Lymphoid Inflammation Mineralization Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Angiectasis Basophilic Focus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

\* .. 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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Ginkgo biloba extract

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Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	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	7	7	7	6	7	6	6	7	6	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	
		8	2	2	2	2	2	1	4	2	6	2	2	1	2	9	2	2	2	2	2	2	2	2	2	0	
		2	1	7	6	4	7	0	7	6	0	6	6	1	7	4	6	6	7	7	7	6	6	7	7	7	
<b>0 mg/kg</b>	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	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	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	<b>males (cont...)</b>

Epithelium, Hyperplasia

2

Tooth

Dysplasia

+  
 X

### CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

Cardiomyopathy

Inflammation

Mineralization

Thrombosis

+  
 1 2 2 1 2 1 1 1 1 2 1 1 1 1 1 1 2 1 2 2  
 3  
 3

### ENDOCRINE SYSTEM

Adrenal Cortex

Hematopoietic Cell Proliferation

Hyperplasia

Hypertrophy

Subcapsular, Hyperplasia

+  
 3  
 1 1 1 1 1 1 1 4 3 1 1 1 1 1 1 1 1 1 2 1 1 1  
 1 1 1 1 1 1 1 4 3 1 1 1 1 1 1 1 1 1 2 1 1 1

Adrenal Medulla

Hyperplasia

+  
1 1

Islets, Pancreatic

Hyperplasia

+  
3 2 2 2 1 2 2 2 1 1 2 2 1 1 2 2 1 1 1 1 1

Parathyroid Gland

+ + + + + M M + + M M + + + + + + + + + + + + + + + +

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Ginkgo biloba extract

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Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID | males<br>(cont...) |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--------------------|
|                  | 0<br>4<br>8<br>2      | 0<br>7<br>2<br>1      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>6<br>2<br>4      | 0<br>7<br>2<br>7      | 0<br>6<br>1<br>0      | 0<br>6<br>4<br>7      | 0<br>7<br>2<br>6      | 0<br>6<br>6<br>0      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>5<br>9<br>4      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      |                       |                       |           |                    |
| 0 mg/kg          | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>3 | 0<br>0<br>0<br>0<br>4 | 0<br>0<br>0<br>0<br>5 | 0<br>0<br>0<br>0<br>6 | 0<br>0<br>0<br>0<br>7 | 0<br>0<br>0<br>0<br>8 | 0<br>0<br>0<br>0<br>9 | 0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>3 | 0<br>0<br>0<br>0<br>4 | 0<br>0<br>0<br>0<br>5 | 0<br>0<br>0<br>0<br>6 | 0<br>0<br>0<br>0<br>7 | 0<br>0<br>0<br>0<br>8 | 0<br>0<br>0<br>0<br>9 | 0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>1 | 0<br>0<br>0<br>0<br>2 | 0<br>0<br>0<br>0<br>3 | 0<br>0<br>0<br>0<br>4 | 0<br>0<br>0<br>0<br>5 |           |                    |

Pituitary Gland  
Inflammation  
Pars Distalis, Hyperplasia

+ + + + + + + + + + + + + + M + + + + + + + + +

1

Thyroid Gland  
Ultimobranial Cyst  
C-cell, Hyperplasia  
Follicle, Cyst  
Follicle, Hyperplasia  
Follicular Cell, Hypertrophy

+ +

X X

1

1

1

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

Epididymis  
Hemorrhage  
Infiltration Cellular, Lymphoid  
Inflammation

+ +

1 2 1

Preputial Gland  
Ectasia  
Infiltration Cellular, Lymphoid  
Inflammation

+ +

3 3 3

1 2 1 2 1 2 1 1 2

Prostate  
Hyperplasia  
Inflammation

+ +

1 2 1 1 1

1 1

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Ginkgo biloba extract

Time Report Requested: 10:34:36

Route: GAVAGE

CAS Number: 90045-36-6

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

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID |   | males<br>(cont...) |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                  |             | 4 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |   |                    | 7 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 0 mg/kg          |             | 8 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 6 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | 1 | 7 | 6 | 4 | 7 | 0 | 7 | 6 | 0 | 6 | 6 | 1 | 7 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 0         | 0 | 0                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Seminal Vesicle Dilatation Hyperplasia Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Testes  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone Marrow Hyperplasia                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 3 | 2 | 2 | 2 | 1 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 1 | 1 |   | 2 | 2 | 2 | 2 | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node Bronchial, Hyperplasia, Lymphoid                   |   | + | + | + |   |   |   | + |   |   |   |   | + |   |   |   |   |   | + |   |   | + | + |   | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |   | 3 | 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   | 3 |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mandibular Hyperplasia, Lymphoid                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   | 2 |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mesenteric Hyperplasia, Lymphoid                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |   | 1 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 1 | 2 | 2 | 3 | 2 | 3 | 4 | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Thymus Atrophy Hyperplasia, Lymphoid                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 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 | <b>males<br/>(cont...)</b> |
|                         |             | 4 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                            |
|                         |             | 8 | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 6 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |                            |
| <b>0 mg/kg</b>          | 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 | 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 |                            |
|                         |             | 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 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 |                            |

**INTEGUMENTARY SYSTEM**

Mammary Gland

M M

Skin

+ +

  Dermis, Fibrosis

3

  Dermis, Inflammation

3

  Epidermis, Hyperkeratosis

4

  Epidermis, Hyperplasia

3

  Epidermis, Ulcer

3

**MUSCULOSKELETAL SYSTEM**

Bone

+ +

Skeletal Muscle

  Inflammation

**NERVOUS SYSTEM**

Brain

+ +

  Infiltration Cellular, Lymphoid

1

**RESPIRATORY SYSTEM**

Lung

+ +

  Infiltration Cellular, Histiocyte

3

  Inflammation

2 1

2

1

  Mineralization

  Alveolar Epithelium, Hyperplasia

2

1

1

2

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Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE<br>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 | 0 | 0 | 0 | 0 | ANIMAL ID |  | males<br>(cont...) |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|--------------------|
|                                 | 4           | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |  |                    |
|                                 | 8           | 2 | 2 | 2 | 2 | 2 | 1 | 4 | 2 | 6 | 2 | 2 | 1 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 |           |  |                    |
|                                 | 2           | 1 | 7 | 6 | 4 | 7 | 0 | 7 | 6 | 0 | 6 | 6 | 1 | 7 | 4 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 |           |  |                    |
|                                 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |           |  |                    |
|                                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |           |  |                    |
| Kidney                          |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           |  |                    |
| Cyst                            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Infarct                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Infiltration Cellular, Lymphoid |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Inflammation                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Metaplasia, Osseous             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Mineralization                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Nephropathy                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Pigmentation                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Renal Tubule, Hyperplasia       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |
| Urinary Bladder                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           |  |                    |
| Inflammation                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |                    |

\* .. 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

|                         |                |           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                 |      |
|-------------------------|----------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST    | 0727      | 0776 | 0777 | 0677 | 0777 | 0777 | 0477 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0677 | 0777 | 0777 | 0477 | 0577 | 0777 | 0477 | 0777 | <b>* TOTALS</b> |      |
|                         | <b>0 mg/kg</b> | ANIMAL ID | 0002 | 0002 | 0002 | 0002 | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0003 | 0004 | 0004 | 0004 | 0004 | 0004 | 0004 | 0004 | 0004 |                 | 0005 |
|                         |                |           | 67   | 89   | 01   | 22   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 33   | 40   | 41   | 42   | 43   | 44   | 45   | 46   |                 | 47   |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Gallbladder Inflammation   | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | 46    |
|  |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.5 |
| Intestine Large, Cecum Hyperplasia, Lymphoid Epithelium, Hyperplasia                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
|  |   |   | 2 |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   | 2 |   |   |   | 3 2.0 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Intestine Large, Colon   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Intestine Large, Rectum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Intestine Small, Duodenum Ectopic Tissue   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Intestine Small, Ileum Inflammation Epithelium, Hyperplasia  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 3 2.7 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 3 2.3 |
| Intestine Small, Jejunum Hyperplasia, Lymphoid Inflammation Mineralization Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
|  |   |   |   |   | 2 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 7 1.7 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 2.0 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   | 1 1.0 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |
| Liver Angiectasis Basophilic Focus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
|  |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 2 2.5 |
|  |   |   |   | X |   |   |   |   |   | X |   |   |   |   | X |   |   | X | X | X | X | X |   |   | 15    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>0 mg/kg      | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |        |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|--------|
|                                  | 0727        | 0726 | 0727 | 0627 | 0727 | 0727 | 0727 | 0427 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0627 | 0727 | 0727 | 0427 | 0727 |          | 0527 | 0727 | 0427 | 0727   |
| ANIMAL ID                        | 0026        | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046     | 0047 | 0048 | 0049 | 0050   |
| Clear Cell Focus                 |             |      | X    |      | X    |      | X    |      | X    |      | X    | X    |      | X    | X    | X    |      | X    | X    |      | X        | X    |      |      | 21     |
| Eosinophilic Focus               | X           |      | X    | X    |      | X    | X    |      | X    |      | X    | X    | X    | X    | X    | X    |      | X    | X    |      | X        | X    |      |      | 34     |
| Fatty Change, Focal              |             |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      | X    | X    |      |          |      |      |      | 4      |
| Hematopoietic Cell Proliferation |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |          |      |      |      | 4 1.0  |
| Hepatodiaphragmatic Nodule       |             |      |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1      |
| Hypertrophy                      | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |          |      |      |      | 3 1.7  |
| Infiltration Cellular, Lymphoid  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      | 2    |      | 1 2.0  |
| Inflammation                     | 1           | 1    | 1    |      | 1    | 1    | 1    |      |      |      |      | 1    |      | 1    | 1    |      |      |      |      | 2    | 1        |      |      | 1    | 28 1.2 |
| Mixed Cell Focus                 | X           |      | X    | X    |      |      |      |      |      | X    |      | X    |      |      |      |      |      |      | X    | X    |          | X    | X    |      | 15     |
| Necrosis                         |             |      |      |      |      |      |      | 3    | 2    |      |      |      |      |      |      |      |      | 1    | 1    |      |          | 2    |      | 2    | 9 1.9  |
| Tension Lipidosis                | X           |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      |      |      |      |      |          |      |      | X    | 6      |
| Vacuolization Cytoplasmic        | 1           |      | 1    |      |      |      | 2    |      |      | 2    |      |      |      | 1    |      | 2    | 2    | 1    | 1    | 2    |          | 1    | 2    |      | 16 1.5 |
| Mesentery                        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 5      |
| Fat, Necrosis                    | 4           |      |      |      |      |      |      |      |      |      |      |      |      | 4    |      |      |      |      |      |      |          | 3    |      |      | 5 3.6  |
| Pancreas                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 50     |
| Atrophy                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1 1.0  |
| Salivary Glands                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 50     |
| Infiltration Cellular, Lymphoid  | 1           |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |          |      |      | 1    | 5 1.0  |
| Stomach, Forestomach             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 50     |
| Inflammation                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 11 2.3 |
| Epithelium, Hyperkeratosis       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 11 2.5 |
| Epithelium, Hyperplasia          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 14 2.9 |
| Epithelium, Ulcer                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 7 2.3  |
| Stomach, Glandular               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 50     |
| Cyst                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1 1.0  |
| Inflammation                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 2 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>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 | 0 | 0 | * TOTALS |   |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
|                             |             | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 7 | 5 | 7 | 4 |          | 7 |
|                             |             | 2 | 2 | 2 | 7 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 8 | 2 | 9 | 2 | 0 |          | 2 |
| 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 | 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        |   |
|                             | 2           | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |          |   |
|                             | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9        |   |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |     |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|-----|
| Epithelium, Hyperplasia | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 2 | 4 | 2.0 |
| Tooth Dysplasia         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |   |     |
|                         | X | X | X | X |   | X | X |   | X | X | X | X | X |   | X | X | X | X | X | X | X | X | X |    |   |   | 46  |

**CARDIOVASCULAR SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |    |     |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|----|-----|
| Blood Vessel   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |  |    |     |
| Heart          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |  |    |     |
| Cardiomyopathy | 1 | 1 | 1 | 1 | 1 |   | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |   |   |   | 1 | 1 | 1 |   | 2 |   |    |  | 38 | 1.3 |
| Inflammation   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  | 1  | 3.0 |
| Mineralization |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |    |  | 1  | 1.0 |
| Thrombosis     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  | 1  | 3.0 |

**ENDOCRINE SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |    |     |     |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|----|-----|-----|
| Adrenal Cortex                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |    |     |     |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1  | 3.0 |     |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1  | 4.0 |     |
| Hypertrophy                      | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 1 |   |   |   | 1 |   |    |    | 9  | 1.4 |     |
| Subcapsular, Hyperplasia         | 1 |   | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 |   |   | 1 | 2 | 1 | 1 | 1 |   | 1 | 1 | 1 |    |    | 41 | 1.2 |     |
| Adrenal Medulla                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |    |     |     |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 2  | 1.0 |     |
| Islets, Pancreatic               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |    |     |     |
| Hyperplasia                      | 1 | 1 | 1 | 1 |   | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 |   |   | 3 | 3 | 2 |   | 2 | 1 | 2  |    |    | 39  | 1.6 |
| Parathyroid Gland                | + | + | M | + | + | + | + | + | + | + | + | M | M | + | + | M | M | + | M | M | + | M | M | +  | 36 |    |     |     |

\* .. 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 - 04

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>0 mg/kg     | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |                       |  |
|---------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|                                 | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>7      | 0<br>6<br>7<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>4<br>2<br>4      | 0<br>7<br>2<br>2      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>6      | 0<br>6<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>5      | 0<br>4<br>2<br>6      | 0<br>5<br>2<br>2      | 0<br>7<br>2<br>7      |                       | 0<br>4<br>2<br>0      | 0<br>7<br>2<br>6      |                       |  |
|                                 | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
|                                 | 0<br>0<br>0<br>2<br>6 | 0<br>0<br>0<br>2<br>7 | 0<br>0<br>0<br>2<br>8 | 0<br>0<br>0<br>2<br>9 | 0<br>0<br>0<br>3<br>0 | 0<br>0<br>0<br>3<br>1 | 0<br>0<br>0<br>3<br>2 | 0<br>0<br>0<br>3<br>3 | 0<br>0<br>0<br>3<br>4 | 0<br>0<br>0<br>3<br>5 | 0<br>0<br>0<br>3<br>6 | 0<br>0<br>0<br>3<br>7 | 0<br>0<br>0<br>3<br>8 | 0<br>0<br>0<br>3<br>9 | 0<br>0<br>0<br>4<br>0 | 0<br>0<br>0<br>4<br>1 | 0<br>0<br>0<br>4<br>2 | 0<br>0<br>0<br>4<br>3 | 0<br>0<br>0<br>4<br>4 | 0<br>0<br>0<br>4<br>5 | 0<br>0<br>0<br>4<br>6 | 0<br>0<br>0<br>4<br>7 | 0<br>0<br>0<br>4<br>8 | 0<br>0<br>0<br>4<br>9 |  |
| Pituitary Gland                 | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 49                    |                       |                       |                       |  |
| Inflammation                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0                 |                       |                       |                       |  |
| Pars Distalis, Hyperplasia      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 1.5                 |                       |                       |                       |  |
| Thyroid Gland                   | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 49                    |                       |                       |                       |  |
| Ultimobranchial Cyst            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 8                     |                       |                       |                       |  |
| C-cell, Hyperplasia             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 1.5                 |                       |                       |                       |  |
| Follicle, Cyst                  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |                       |                       |                       |  |
| Follicle, Hyperplasia           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 1.0                 |                       |                       |                       |  |
| Follicular Cell, Hypertrophy    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2 1.0                 |                       |                       |                       |  |
| <b>GENERAL BODY SYSTEM</b>      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| NONE                            |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| <b>GENITAL SYSTEM</b>           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
| Epididymis                      | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    |                       |                       |                       |  |
| Hemorrhage                      |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |                       |                       |                       |  |
| Infiltration Cellular, Lymphoid |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3 1.3                 |                       |                       |                       |  |
| Inflammation                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |                       |                       |                       |  |
| Preputial Gland                 | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    |                       |                       |                       |  |
| Ectasia                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4 3.0                 |                       |                       |                       |  |
| Infiltration Cellular, Lymphoid |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 1.0                 |                       |                       |                       |  |
| Inflammation                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 30 1.3                |                       |                       |                       |  |
| Prostate                        | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    |                       |                       |                       |  |
| Hyperplasia                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 7 1.1                 |                       |                       |                       |  |
| Inflammation                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3 2.0                 |                       |                       |                       |  |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>0 mg/kg                  | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |     |     |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----|-----|
|  | 0727        | 0727  | 0727  | 0677  | 0777  | 0777  | 0777  | 0477  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0677  | 0777  | 0777  | 0477  | 0777  | 0577  | 0777  | 0477  | 0777  |          |     |     |
| ANIMAL ID                                    | 00026       | 00027 | 00028 | 00029 | 00030 | 00031 | 00032 | 00033 | 00034 | 00035 | 00036 | 00037 | 00038 | 00039 | 00040 | 00041 | 00042 | 00043 | 00044 | 00045 | 00046 | 00047 | 00048 | 00049 |          |     |     |
| Seminal Vesicle Dilatation                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |     |     |
| Hyperplasia                                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1   | 1.0 |
| Inflammation                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1   | 2.5 |
| Testes                                       | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |     |     |
| <b>HEMATOPOIETIC SYSTEM</b>                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |     |     |
| Bone Marrow Hyperplasia                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       | 48  | 2.0 |
| Lymph Node Bronchial, Hyperplasia, Lymphoid  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 11       | 6   | 1.8 |
| Lymph Node Inguinal, Hyperplasia, Lymphoid   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1   | 1.3 |
| Lymph Node, Mandibular Hyperplasia, Lymphoid | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    | 17       | 1.7 |     |
| Lymph Node, Mesenteric Hyperplasia, Lymphoid | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    | 6        | 2.2 |     |
| Spleen Hematopoietic Cell Proliferation      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    | 49       | 2.6 |     |
| Spleen Hyperplasia, Lymphoid                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 9        | 2.0 |     |
| Thymus Atrophy                               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    | 1        | 3.0 |     |
| Thymus Hyperplasia, Lymphoid                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2        | 1.5 |     |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0 |
| <b>0 mg/kg</b>          | ANIMAL ID   | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 4 | 7 | 5 | 7 | 4               | 7 |
|                         |             | 2 | 2 | 2 | 7 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 8 | 2 | 9 | 2 | 0 | 2               |   |
|                         |             | 7 | 6 | 7 | 8 | 7 | 6 | 6 | 2 | 0 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | 6 | 2 | 7 | 0 | 6               |   |
|                         |             | 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 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5               |   |
|                         |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 0               |   |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |

### INTEGUMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Mammary Gland             | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 0     |
| Skin                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Dermis, Fibrosis          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 3.5 |
| Dermis, Inflammation      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 3.0 |
| Epidermis, Hyperkeratosis |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0 |
| Epidermis, Hyperplasia    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 3.5 |
| Epidermis, Ulcer          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 3.5 |

### MUSCULOSKELETAL SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Bone                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Skeletal Muscle<br>Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |
|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |

### NERVOUS SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Brain<br>Infiltration Cellular, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2     |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.5 |

### RESPIRATORY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Lung<br>Infiltration Cellular, Histiocyte<br>Inflammation<br>Mineralization<br>Alveolar Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1     |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5 1.4 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.0 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 1.5 |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>0 mg/kg                         | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |      |  |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|--|
|   | 0727        | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  |          | 0727 |  |
| ANIMAL ID   | 00026       | 00027 | 00028 | 00029 | 00030 | 00031 | 00032 | 00033 | 00034 | 00035 | 00036 | 00037 | 00038 | 00039 | 00040 | 00041 | 00042 | 00043 | 00044 | 00045 | 00046 | 00047 | 00048 | 00049 | 00050    |      |  |
| Alveolus, Infiltration Cellular, Histiocyte         | 1           |       |       | 2     |       |       | 1     |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |       | 3     |       |          |      |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |  |
| Nose  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |      |  |
| Inflammation  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       | 1     |       |       | 1     | 7        |      |  |
| Glands, Metaplasia                                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
| Glands, Metaplasia, Respiratory                     |             |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3        |      |  |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 2           | 1     |       |       |       | 2     |       | 1     |       |       | 2     |       |       | 3     |       |       | 1     |       | 1     | 1     |       |       |       | 1     |          |      |  |
| Olfactory Epithelium, Degeneration                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
| Olfactory Epithelium, Hyperplasia                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       | 2        |      |  |
| Olfactory Epithelium, Metaplasia                    |             |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
| Olfactory Epithelium, Metaplasia, Respiratory       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     | 3        |      |  |
| Respiratory Epithelium, Hyperplasia                 | 1           | 1     |       | 1     | 1     | 1     |       | 1     | 1     |       | 1     |       | 1     | 1     |       | 1     | 2     | 1     | 1     | 1     |       | 1     | 2     | 40    |          |      |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1.2      |      |  |
| Trachea   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |      |  |
| <b>SPECIAL SENSES SYSTEM</b>                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |      |  |
| Ear   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
| Eye   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |      |  |
| Inflammation  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
| Cornea, Hyperplasia, Squamous                       |             |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
| Cornea, Inflammation                                |             |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3        |      |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2.0      |      |  |
| Harderian Gland                                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    |          |      |  |
| Hyperplasia   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     | 2     |       | 3        |      |  |
| Pigmentation  |             | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |      |  |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2.0      |      |  |

**URINARY 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>0 mg/kg     | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |        | * TOTALS |
|---------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------|----------|
|                                 | 0777        | 0777 | 0778 | 0778 | 0777 | 0777 | 0777 | 0774 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0776 | 0777 | 0777 | 0774 | 0777 | 0775 | 0777 | 0774 | 0777 |        |          |
| ANIMAL ID                       | 0007        | 0006 | 0007 | 0008 | 0007 | 0007 | 0007 | 0004 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0006 | 0007 | 0007 | 0004 | 0007 | 0005 | 0007 | 0004 | 0007 |        |          |
| Kidney                          | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50     |          |
| Cyst                            |             |      |      |      |      |      |      | 1    |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      | 6 1.3  |          |
| Infarct                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2 1.5  |          |
| Infiltration Cellular, Lymphoid |             |      |      |      |      |      |      |      |      |      |      | 2    |      |      | 2    |      |      |      |      |      |      |      |      | 2 2.0  |          |
| Inflammation                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      | 2 2.0  |          |
| Metaplasia, Osseous             | 1           |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      | 3 1.3  |          |
| Mineralization                  | 1           |      | 1    |      |      |      | 2    |      | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 1    | 1    | 1    |      | 1    | 1    | 40 1.2 |          |
| Nephropathy                     | 2           | 2    | 1    | 2    | 2    | 3    | 1    | 1    | 3    | 2    | 2    | 2    | 2    | 1    | 1    | 1    | 1    | 1    | 1    | 3    | 2    | 1    | 1    | 49 1.6 |          |
| Pigmentation                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3 1.3  |          |
| Renal Tubule, Hyperplasia       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1 3.0  |          |
| Urinary Bladder                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50     |          |
| Inflammation                    |             |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      | 3    |      | 2 2.5  |          |

\* .. 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  
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Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 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 | 5 | 5 | 7 | 6 | 7 | 6 | 6 | 7 | 4 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 |                            |
| <b>200 mg/kg</b>        | 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 | <b>males<br/>(cont...)</b> |
|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                            |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                                       | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Intestine Large, Cecum                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon<br>Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus                                  | X | X |   |   | X |   | X |   |   |   |   |   |   | X |   |   | X | X |   |   | X |   | X |
| Clear Cell Focus                                  |   |   | X |   | X |   |   |   |   |   |   |   |   | X | X | X | X | X |   |   | X | X |   |
| Eosinophilic Focus                                | X | X | X | X | X | X | X |   | X | X |   |   | X | X | X | X | X | X | X | X | X | X | X |
| Erythrophagocytosis                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Fatty Change, Focal                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                  |   |   |   | 1 |   |   | 1 |   |   | 1 |   | 1 | 2 |   |   | 1 |   |   |   |   |   | 1 |   |
| Hypertrophy                                       |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 3 | 3 | 2 | 3 | 2 |   |
| Inflammation                                      | 2 | 2 | 1 | 2 | 2 |   |   | 2 | 2 | 1 |   |   |   |   | 1 |   | 2 | 1 | 1 | 2 | 2 |   | 1 |
| Mixed Cell Focus                                  |   |   | X |   |   |   |   | X |   |   |   |   |   | X |   |   | X | X | X | X |   | X |   |
| Necrosis  |   | 1 |   |   |   |   |   |   | 2 | 3 |   | 3 | 3 |   | 1 | 2 |   |   | X | 2 | 2 |   | 3 |

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

+ .. Tissue examined microscopically

X .. Lesion present

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>200 mg/kg   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | males<br>(cont...) |  |
|---------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|--|
|                                 | 0<br>6<br>4<br>5 | 0<br>6<br>2<br>3 | 0<br>5<br>2<br>0 | 0<br>5<br>1<br>0 | 0<br>7<br>2<br>7 | 0<br>6<br>1<br>5 | 0<br>7<br>2<br>7 | 0<br>6<br>4<br>5 | 0<br>6<br>2<br>3 | 0<br>7<br>2<br>7 | 0<br>6<br>4<br>5 | 0<br>6<br>2<br>3 | 0<br>7<br>2<br>7 | 0<br>6<br>4<br>5 | 0<br>6<br>2<br>3 | 0<br>7<br>2<br>7 | 0<br>6<br>4<br>5 | 0<br>6<br>2<br>3 | 0<br>7<br>2<br>7 | 0<br>6<br>4<br>5 |           |                    |  |
| Tension Lipidosis               |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Vacuolization Cytoplasmic       |                  |                  | 1                |                  |                  | 1                |                  |                  |                  | 2                |                  | 2                |                  |                  |                  |                  | 1                |                  | 1                | 2                |           |                    |  |
| Bile Duct, Hyperplasia          | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 3         |                    |  |
| Mesentery                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Inflammation                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Fat, Necrosis                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Pancreas                        | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                    |  |
| Inflammation                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Salivary Glands                 | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                    |  |
| Infiltration Cellular, Lymphoid |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Stomach, Forestomach            | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                    |  |
| Cyst                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Inflammation                    | 3                |                  |                  |                  |                  | 3                | 1                | 2                | 3                | 3                |                  |                  | 1                |                  |                  | 3                |                  | 2                | 3                |                  | 2         |                    |  |
| Mineralization                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Epithelium, Erosion             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Epithelium, Hyperkeratosis      | 3                |                  |                  |                  |                  | 3                | 2                | 3                | 3                | 4                |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |           |                    |  |
| Epithelium, Hyperplasia         | 3                |                  |                  |                  |                  | 4                | 3                | 3                | 2                | 4                |                  |                  |                  |                  |                  | 4                |                  |                  |                  |                  |           |                    |  |
| Epithelium, Ulcer               | 2                |                  |                  |                  |                  | 3                |                  | 3                | 3                | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Stomach, Glandular              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                    |  |
| Mineralization                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Epithelium, Hyperplasia         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                    |  |
| Tooth                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                    |  |
| Dysplasia                       | X                | X                | X                | X                | X                | X                | X                | X                |                  | X                |                  | X                | X                | X                | X                | X                | X                | X                | X                | X                | X         |                    |  |

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

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Lab: BAT

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |   |  |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|--|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>males<br/>(cont...)</b> |   |  |
|                         | ANIMAL ID   | 6 | 6 | 5 | 5 | 7 | 6 | 7 | 6 | 6 | 7 | 4 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 |                            | 6 |  |
| <b>200 mg/kg</b>        |             | 4 | 2 | 2 | 1 | 2 | 1 | 2 | 4 | 2 | 2 | 0 | 0 | 3 | 2 | 8 | 2 | 2 | 2 | 7 | 2 | 8 | 2 | 2 | 0                          |   |  |
|                         |             | 5 | 3 | 0 | 0 | 7 | 5 | 7 | 5 | 3 | 7 | 0 | 0 | 2 | 8 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 6 | 6 | 7                          | 1 |  |
|                         |             | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                          | 0 |  |
|                         |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7                          | 7 |  |
|                         | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5                          |   |  |

**CARDIOVASCULAR SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy            |   |   |   |   | 1 |   | 1 |   | 1 | 1 |   | 2 |   |   |   | 1 |   | 1 |   | 1 | 1 |   | 1 |   |
| Inflammation              | 1 |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thrombosis                |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Artery, Inflammation      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla Hyperplasia             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic Hyperplasia          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland                       | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ultimobranchial Cyst                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| C-cell, Hyperplasia                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicle, Cyst                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicle, Hyperplasia                   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 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 |
|                         | ANIMAL ID   | 6 | 6 | 5 | 5 | 7 | 6 | 7 | 6 | 6 | 7 | 4 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 6 |
| <b>200 mg/kg</b>        |             | 4 | 2 | 2 | 1 | 2 | 1 | 2 | 4 | 2 | 0 | 0 | 3 | 2 | 8 | 2 | 2 | 2 | 2 | 7 | 2 | 8 | 2 | 2 | 2 | 0 | 0 |
|                         |             | 5 | 3 | 0 | 0 | 7 | 5 | 7 | 5 | 3 | 7 | 0 | 0 | 2 | 8 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 6 | 6 | 6 | 7 | 1 |
|                         |             | 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 | 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 |
|                         |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                         |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 5 |

males (cont...)

Follicular Cell, Degeneration

1

**GENERAL BODY SYSTEM**

Peritoneum  
Inflammation

**GENITAL SYSTEM**

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Infiltration Cellular, Lymphoid |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |
| Preputial Gland                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ectasia                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation                    | 1 | 1 |   | 1 | 1 | 2 | 1 | 1 | 2 |   |   | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Prostate                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
| Inflammation                    |   |   |   | 1 |   | 1 |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Seminal Vesicle                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                    |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Testes                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |

**HEMATOPOIETIC 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                  |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------------|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 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 | 5 | 5 | 7 | 6 | 7 | 6 | 6 | 7 | 4 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 6 |                                  |   |
|                         |             | 4 | 2 | 2 | 1 | 2 | 1 | 2 | 4 | 2 | 2 | 0 | 0 | 3 | 2 | 8 | 2 | 2 | 2 | 7 | 2 | 8 | 2 | 2 |                                  | 0 |
|                         |             | 5 | 3 | 0 | 0 | 7 | 5 | 7 | 5 | 3 | 7 | 0 | 0 | 2 | 8 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 6 | 6 |                                  | 1 |
| <b>200 mg/kg</b>        | 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 | <b>males</b><br><b>(cont...)</b> |   |
|                         |             | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                                  |   |
|                         |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |                                  |   |

|   |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |   |  |   |   |  |   |
|---|--|--|--|--|--|--|--|--|--|---|---|---|--|--|--|--|--|--|--|--|---|--|---|---|--|---|
| Cyst Epithelial Inclusion                 |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |   |  |   |   |  |   |
| Dermis, Inflammation                      |  |  |  |  |  |  |  |  |  | 3 |   |   |  |  |  |  |  |  |  |  | 3 |  |   |   |  |   |
| Dermis, Subcutaneous Tissue, Inflammation |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |   |  |   |   |  |   |
| Epidermis, Hyperkeratosis                 |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |   |  | 3 |   |  |   |
| Epidermis, Hyperplasia                    |  |  |  |  |  |  |  |  |  |   |   |   |  |  |  |  |  |  |  |  |   |  | 3 |   |  |   |
| Epidermis, Ulcer                          |  |  |  |  |  |  |  |  |  |   | 4 |   |  |  |  |  |  |  |  |  |   |  |   | 4 |  |   |
| Subcutaneous Tissue, Inflammation         |  |  |  |  |  |  |  |  |  |   |   | 2 |  |  |  |  |  |  |  |  |   |  |   |   |  | 2 |

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |

**NERVOUS SYSTEM**

|            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |
| Mineralization                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| Alveolar Epithelium, Hyperplasia            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| Alveolus, Infiltration Cellular, Histiocyte | 1 |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   | 2 |   |   |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                                | 1 | 1 |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   | 2 |
| Glands, Metaplasia, Respiratory             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 1 |

\* .. 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 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 02/27/2012  
Time Report Requested: 10:34:36  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

| B6C3F1 MICE MALE<br>200 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 | 0 | 0 | 0 |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   | 6 | 6 | 5 | 5 | 7 | 6 | 7 | 6 | 6 | 7 | 4 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 6 |   |
|   |   | 4 | 2 | 2 | 1 | 2 | 1 | 2 | 4 | 2 | 2 | 0 | 0 | 3 | 2 | 8 | 2 | 2 | 2 | 7 | 2 | 8 | 2 | 2 | 0 |
| ANIMAL ID   |   | 5 | 3 | 0 | 0 | 7 | 5 | 7 | 5 | 3 | 7 | 0 | 0 | 2 | 8 | 7 | 7 | 6 | 7 | 4 | 7 | 6 | 6 | 6 |   |
|   |   | 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 | 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 |
|   |   | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 |
|   | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
|   | <b>males (cont...)</b>                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 1 3 3 1 1 1 1 3                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Atrophy                       | 2   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Metaplasia, Respiratory       | 3   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Pigmentation                  | 1   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Hyperplasia                 | 2 1 1 1 1 1 1 1 2 1 1 1 1 2 2 1 1 1 1 1 2 2       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Trachea   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

SPECIAL SENSES SYSTEM

|                                 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Eye                             | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cornea, Hyperplasia, Squamous   | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cornea, Inflammation            | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Harderian Gland                 | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Atrophy                         | 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibrosis                        |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia                     | 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infiltration Cellular, Lymphoid | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mineralization                  | 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

URINARY SYSTEM

|                                 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Kidney                          | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Accumulation, Hyaline Droplet   | 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cyst                            | 1 1   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infarct                         |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infiltration Cellular, Lymphoid |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Inflammation                    | 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Metaplasia, Osseous             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked





Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>200 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 | 0 |
|-------------------------------|-------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                               | ANIMAL ID   | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                               |             | 6               | 3 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 5 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 |
|                               |             | 7               | 1 | 2 | 3 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 0 | 6 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 |
|                               |             | 4               | 4 | 6 | 6 | 7 | 6 | 7 | 6 | 5 | 6 | 6 | 5 | 5 | 7 | 1 | 6 | 7 | 7 | 5 | 7 | 7 |
|                               |             | 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 | 0 | 0 | 0 |
|                               |             | 0               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|                               |             | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
|                               |             | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|                               |             | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |             |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|
| Esophagus                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50          |
| Gallbladder                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48          |
| Intestine Large, Cecum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50          |
| Intestine Large, Colon Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 3.0 |
| Intestine Large, Rectum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50          |
| Intestine Small, Duodenum                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50          |
| Intestine Small, Ileum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50          |
| Intestine Small, Jejunum Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50<br>1 1.0 |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50          |
| Basophilic Focus                               |   |   | X | X |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   | X |   |   |   |   |   |   | 14          |
| Clear Cell Focus                               |   |   |   | X | X | X | X | X |   |   | X | X |   |   | X |   |   | X |   | X | X | X | X | X |   |   | 22          |
| Eosinophilic Focus                             | X |   | X | X | X | X |   | X | X | X | X | X | X |   | X | X |   | X | X | X | X | X | X | X |   |   | 41          |
| Erythrophagocytosis                            |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 3 |   |   | 4 2.0       |
| Fatty Change, Focal                            |   |   |   |   |   |   |   |   |   | X |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   | 3           |
| Hematopoietic Cell Proliferation               |   |   |   |   |   |   |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | 9 1.1       |
| Hypertrophy                                    |   |   |   | 3 |   | 2 | 3 | 2 |   |   |   | 3 | 3 | 3 | 2 |   | 3 |   |   |   | 4 |   |   | 3 |   |   | 19 2.6      |
| Inflammation                                   | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 |   |   |   | 2 | 2 | 1 |   | 2 | 1 | 1 | 1 |   |   | 2 | 2 | 1 | 1 |   | 35 1.5      |
| Mixed Cell Focus                               |   |   |   |   |   |   | X | X |   | X | X |   |   | X |   |   |   |   |   |   | X |   |   |   |   |   | 13          |
| Necrosis                                       |   |   |   | 3 |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   |   | 3 |   | 1 |   |   |   |   | 15 2.1      |

\* .. 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 - 04

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

Date Report Requested: 02/27/2012

Test Type: CHRONIC

Ginkgo biloba extract

Time Report Requested: 10:34:36

Route: GAVAGE

CAS Number: 90045-36-6

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

Species/Strain: MICE/B6C3F1

Lab: BAT

|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 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 | 3 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 5 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 |                 | 7 |
|                         |             | 7 | 1 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 0 | 6 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 |                 | 2 |
| <b>200 mg/kg</b>        | 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 | 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               |   |
|                         |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |                 |   |
|                         |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | <b>* TOTALS</b> |   |

**CARDIOVASCULAR SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Blood Vessel Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1</b>   | <b>2.0</b> |
| Heart                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |            |            |
| Cardiomyopathy            | 1 |   |   |   | 1 |   |   |   | 1 |   |   | 1 | 1 |   |   | 1 | 1 | 2 | 2 |   |   |   |   | 1 | 1 |   | <b>22</b> | <b>1.1</b> |            |
| Inflammation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |           | <b>3</b>   | <b>1.3</b> |
| Thrombosis                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>   | <b>2.0</b> |
| Artery, Inflammation      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |           | <b>1</b>   | <b>2.0</b> |

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |           |            |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|-----------|------------|
| Adrenal Cortex Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b> | <b>39</b> | <b>1.1</b> |
| Adrenal Medulla Hyperplasia             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b> | <b>1</b>  | <b>1.0</b> |
| Islets, Pancreatic Hyperplasia          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b> | <b>38</b> | <b>1.6</b> |
| Parathyroid Gland                       | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | M | <b>46</b> |           |           |            |
| Pituitary Gland                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b> |           |            |
| Thyroid Gland                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>49</b> |           |            |
| Ultimobranchial Cyst                    |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>3</b>  |            |
| C-cell, Hyperplasia                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |           |           | <b>5</b>  | <b>1.0</b> |
| Follicle, Cyst                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>  |            |
| Follicle, Hyperplasia                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>  | <b>1.0</b> |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE  | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |  |           |            |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|-----------|------------|
|   | 0674        | 0314 | 0726 | 0636 | 0722 | 0776 | 0777 | 0777 | 0777 | 0575 | 0775 | 0775 | 0575 | 0775 | 0676 | 0772 | 0777 | 0777 | 0575 | 0775 | 0777 |          |  | 0777      | 50         |
| <b>200 mg/kg</b>  | ANIMAL ID   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |           |            |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>1</b>  | <b>1.0</b> |
| Follicular Cell, Degeneration                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>1</b>  | <b>1.0</b> |
| <b>GENERAL BODY SYSTEM</b>                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |           |            |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>1</b>  | <b>3.0</b> |
| Peritoneum Inflammation + 3                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |           |            |
| <b>GENITAL SYSTEM</b>                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |           |            |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>50</b> | <b>4.0</b> |
| Epididymis Infiltration Cellular, Lymphoid Inflammation |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>1</b>  | <b>1.7</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>1</b>  | <b>3.0</b> |
| Preputial Gland Cyst                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>3</b>  | <b>3.7</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>42</b> | <b>1.2</b> |
| Ectasia Inflammation                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |           |            |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>50</b> | <b>1.8</b> |
| Prostate Hyperplasia                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>3</b>  | <b>3.0</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>3</b>  | <b>1.0</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>5</b>  | <b>1.8</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>50</b> | <b>2.5</b> |
| Seminal Vesicle Inflammation                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>2</b>  | <b>2.5</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>50</b> | <b>1.0</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>3</b>  | <b>1.3</b> |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |           |            |
|   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  | <b>1</b>  | <b>1.3</b> |
| <b>HEMATOPOIETIC SYSTEM</b>                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |  |           |            |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically

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

Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>200 mg/kg                                   | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                       | * TOTALS     |  |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|--------------|--|
|   | 0674        | 0314  | 0726  | 0636  | 0727  | 0777  | 0777  | 0777  | 0777  | 0575  | 0777  | 0777  | 0575  | 0575  | 0777  | 0676  | 0272  | 0272  | 0777  | 0777  | 0575  | 0777  | 0777  | 0777                  |              |  |
| ANIMAL ID   | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099                 |              |  |
| Bone Marrow<br>Hyperplasia                                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                     | 50<br>49 2.8 |  |
| Lymph Node<br>Bronchial, Hyperplasia, Lymphoid                  |             | +     | +     | +     | +     | +     |       | +     | +     |       |       |       | +     |       |       |       |       |       |       |       |       | +     |       |                       | 15<br>2 2.0  |  |
| Inguinal, Hyperplasia, Lymphoid                                 |             |       | 1     | 2     | 1     | 1     |       |       | 1     | 1     |       |       |       |       |       |       |       |       |       |       |       | 1     |       |                       | 10 1.1       |  |
| Mediastinal, Hyperplasia, Lymphoid                              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                       | 1 2.0        |  |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                     | 50<br>14 1.6 |  |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid<br>Inflammation | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 49<br>5 2.4<br>1 3.0  |              |  |
| Spleen<br>Angiectasis   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50<br>1 2.0           |              |  |
| Hematopoietic Cell Proliferation                                | 2           | 2     | 3     | 3     | 3     | 2     |       | 3     | 4     |       |       | 2     | 4     | 4     | 4     | 3     | 3     | 4     | 4     | 3     | 3     | 1     | 3     | 3                     | 47 3.0       |  |
| Hyperplasia, Lymphoid   |             |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       | 1     |       |       |       | 2     | 1     | 2                     | 12 1.8       |  |
| Lymphoid Follicle, Atrophy                                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       | 4     |       |       |       |       |       |       |       |       |                       | 1 4.0        |  |
| Thymus<br>Hyperplasia, Lymphoid<br>Necrosis                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 47<br>10 1.7<br>1 2.0 |              |  |
| <b>INTEGUMENTARY SYSTEM</b>                                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                       |              |  |
| Mammary Gland   | M           | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M     | M                     | 0            |  |
| Skin  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                     | 50           |  |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  | * TOTALS |
|------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------|
|                  | 0674        | 0314 | 0726 | 0636 | 0727 | 0777 | 0777 | 0777 | 0755 | 0777 | 0775 | 0555 | 0776 | 0672 | 0226 | 0777 | 0777 | 0777 | 0555 | 0777 | 0777 | 0777 | 0777 |  |          |
| 200 mg/kg        | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |  |          |
|                  | 0007        | 0007 | 0007 | 0007 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 | 0008 |  |          |
|                  | 64          | 74   | 86   | 96   | 07   | 17   | 27   | 37   | 47   | 57   | 67   | 77   | 87   | 97   | 08   | 18   | 28   | 38   | 48   | 58   | 68   | 78   | 88   |  |          |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |   |   |    |     |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|---|---|----|-----|
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 1 | 3 |   |   | 1 |   |   |   | 2 | 1 |   | 2 | 3 |   |   |   |   |   |   |   |   |   |   |   | 16 | 1.9 |   |   |    |     |
| Olfactory Epithelium, Atrophy                       | 2 |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   | 3  | 2.0 |   |   |    |     |
| Olfactory Epithelium, Metaplasia, Respiratory       |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   | 3  | 1.7 |   |   |    |     |
| Olfactory Epithelium, Pigmentation                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1.0 |   |   |    |     |
| Respiratory Epithelium, Hyperplasia                 | 2 |   |   |   | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |   | 1 | 2 |   |   |   |   | 1 | 1 |   |   |    | 1   | 2 | 1 | 38 | 1.3 |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | +   | + | + | 50 |     |

SPECIAL SENSES SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Eye                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |     |
| Cornea, Hyperplasia, Squamous   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 1.0 |
| Cornea, Inflammation            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 1.0 |
| Harderian Gland                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     |
| Atrophy                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 2.0 |
| Fibrosis                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 2.0 |
| Hyperplasia                     |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |   | 2 |   |   |   |   |   |    | 5  | 1.6 |
| Infiltration Cellular, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 1.0 |
| Mineralization                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 2.0 |

URINARY SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Kidney                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |
| Accumulation, Hyaline Droplet   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 2.0 |
| Cyst                            |   |   |   |   | 1 | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |    | 6 | 1.0 |
| Infarct                         |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 1.0 |
| Infiltration Cellular, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 2.0 |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 4 | 2.0 |
| Metaplasia, Osseous             |   |   |   |   | 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 4 | 1.3 |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked



Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>200 mg/kg     | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                                   | 0674        | 0314  | 0726  | 0636  | 0772  | 0777  | 0777  | 0777  | 0777  | 0575  | 0777  | 0775  | 0575  | 0777  | 0676  | 0772  | 0772  | 0772  | 0772  | 0575  | 0772  | 0772  | 0772  | 0772  |          |
| ANIMAL ID                         | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 |          |
| Mineralization                    | 1           |       |       | 1     | 1     | 1     | 1     | 1     | 1     | 3     | 1     |       | 1     |       |       |       |       | 1     | 2     | 1     | 1     |       | 1     | 1     | 40 1.2   |
| Nephropathy                       | 1           | 1     | 2     | 1     | 1     | 1     | 2     | 1     | 2     | 1     | 1     | 1     |       | 1     | 1     | 3     | 2     | 1     | 2     | 1     |       | 1     | 1     | 1     | 45 1.2   |
| Pigmentation                      |             |       |       |       |       |       |       | 2     | 3     |       |       |       | 1     |       |       |       | 1     | 1     |       | 1     |       |       |       |       | 15 1.9   |
| Renal Tubule, Hyperplasia         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1 3.0    |
| Renal Tubule, Necrosis            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1 3.0    |
| Urethra                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |
| Bulbourethral Gland, Inflammation |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1 3.0    |
| Urinary Bladder                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    |          |
| Hemorrhage                        |             |       |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1 3.0    |
| Inflammation                      |             |       |       |       |       |       |       |       | 3     |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       | 2 2.0    |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0639 | 0308 | 0453 | 0575 | 0632 | 0722 | 0776 | 0572 | 0756 | 0731 | 0771 | 0586 | 0552 | 0611 | 0477 | 0688 | 0727 | 0669 | 0669 | 0492 | 0726 | 0701 | 0772 | 0672 |
|                         | ANIMAL ID   | 0010 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0010 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 |

males (cont...)

ALIMENTARY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder   | M | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Hyperplasia, Lymphoid                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Inflammation<br>Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Hyperplasia, Lymphoid<br>Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus  |   |   |   | X |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus  | X |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X | X |   |   |   |   |
| Eosinophilic Focus  |   |   |   | X | X | X | X | X |   | X |   | X | X | X |   | X | X |   | X | X | X | X | X | X | X |
| Erythrophagocytosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                                  |   |   |   |   | 2 |   |   | 1 |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   | 1 |
| Hypertrophy   | 2 | 3 | 3 |   |   | 3 | 3 |   |   | 3 | 3 |   | 3 | 3 | 3 |   | 3 | 3 |   | 3 | 3 | 4 | 3 |   | 2 |
| Inflammation  |   |   |   |   | 2 | 2 |   | 2 | 2 | 2 | 2 | 3 | 2 | 2 |   |   | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>600 mg/kg                         | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
|   | 0639        | 0308 | 0453 | 0575 | 0673 | 0772 | 0776 | 0872 | 0976 | 1076 | 1171 | 1271 | 1376 | 1488 | 1582 | 1678 | 1787 | 1886 | 1992 | 2099 |           |                    |
| Mixed Cell Focus                                      |             |      | X    |      |      |      | X    |      |      | X    |      |      |      |      |      |      |      |      | X    | X    | X         |                    |
| Necrosis  |             |      |      | 1    |      |      | 1    |      |      | 3    |      | 1    |      | 2    |      | 2    |      | 2    | 1    |      | 3         |                    |
| Vacuolization Cytoplasmic                             |             |      | 2    |      |      |      | 2    |      | 1    |      |      |      | 2    |      |      |      |      | 3    |      | 1    |           |                    |
| Bile Duct, Hyperplasia                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1         |                    |
| Hepatocyte, Hyperplasia                               |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |           |                    |
| Vein, Thrombosis                                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Mesentery Inflammation                                |             |      |      | +    |      |      |      |      |      |      |      |      |      | +    |      |      |      |      |      |      |           |                    |
| Pancreas Atrophy                                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |
| Pancreas Cyst   |             | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Salivary Glands Infiltration Cellular, Lymphoid       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |
| Stomach, Forestomach Infiltration Cellular, Mast Cell | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |
| Stomach, Forestomach Inflammation                     |             |      | 3    |      | 3    | 3    |      |      |      |      | 3    |      | 3    |      |      |      | 2    | 4    |      |      | 4         |                    |
| Stomach, Forestomach Mineralization                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2         |                    |
| Stomach, Forestomach Epithelium, Erosion              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |
| Stomach, Forestomach Epithelium, Hyperkeratosis       |             |      | 3    |      | 3    | 4    |      |      |      |      | 3    |      | 4    |      |      | 3    | 4    |      |      | 2    | 4         |                    |
| Stomach, Forestomach Epithelium, Hyperplasia          |             |      | 3    |      | 4    | 4    |      |      |      | 4    |      | 4    |      | 4    |      | 2    | 4    |      | 2    | 2    | 4         |                    |
| Stomach, Forestomach Epithelium, Ulcer                |             |      |      |      |      | 1    |      |      |      | 2    |      | 2    |      |      |      |      |      | 2    |      |      | 2         |                    |
| Stomach, Glandular Inflammation                       | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |
| Stomach, Glandular Mineralization                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2         |                    |
| Stomach, Glandular Epithelium, Hyperplasia            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      | 2         |                    |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |
|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0639 | 0308 | 0453 | 0575 | 0672 | 0776 | 0776 | 0572 | 0756 | 0756 | 0756 | 0756 | 0562 | 0478 | 0686 | 0767 | 0668 | 0668 | 0492 | 0726 | 0771 | 0776 | 0672 | <b>males<br/>(cont...)</b> |
|                         | ANIMAL ID   | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 |                            |

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tooth Dysplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                 | X |   |   | X |   | X | X | X | X |   | X | X |   | X |   | X | X | X |   | X | X | X | X | X |

CARDIOVASCULAR SYSTEM

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy |   |   |   | 1 |   | 1 | 1 |   | 1 | 1 |   | 1 | 2 | 1 | 1 |   | 1 |   |   |   | 1 |   | 1 |   |
| Mineralization |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |

ENDOCRINE SYSTEM

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypertrophy                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Subcapsular, Hyperplasia   | 1 |   | 1 |   | 1 | 1 | 1 | 1 |   | 1 | 1 |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 |
| Adrenal Medulla            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia                | 2 |   | 1 | 2 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 |
| Parathyroid Gland          | M | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |
| Ultimobranchial Cyst       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicle, Hyperplasia      |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   | 2 |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>600 mg/kg                  | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | males<br>(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|
|  | 0639        | 0308 | 0405 | 0507 | 0603 | 0702 | 0702 | 0507 | 0702 | 0507 | 0702 | 0507 | 0603 | 0702 | 0507 | 0603 | 0702 | 0507 | 0603 | 0702 | 0507 | 0603 | 0702 | 0507 |                    |
| ANIMAL ID                                      | 0010        | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 |                    |
| Atrophy  |             |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |
| Hyperplasia                                    | 2           | 3    |      | 2    | 2    | 3    | 3    | 4    | 3    | 2    | 2    | 3    | 3    | 3    | 2    | 3    | 2    | 3    | 3    | 3    | 3    | 3    | 3    | 3    |                    |
| Lymph Node                                     |             | +    | +    |      |      |      |      |      |      |      |      |      |      |      |      | +    |      | +    |      |      |      |      | +    | +    |                    |
| Bronchial, Hyperplasia, Lymphoid               |             |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |
| Inguinal, Hyperplasia, Lymphoid                |             | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      | 2    | 1    |                    |
| Mediastinal, Infiltration Cellular, Histiocyte |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |                    |
| Lymph Node, Mandibular                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                    |
| Hyperplasia, Lymphoid                          |             |      |      |      |      |      | 1    | 2    |      |      |      |      |      |      |      |      | 2    |      | 2    |      | 2    | 2    |      | 2    |                    |
| Infiltration Cellular, Histiocyte              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |      |      |                    |
| Lymph Node, Mesenteric                         | M           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                    |
| Hyperplasia, Lymphoid                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |
| Inflammation                                   |             |      | 2    |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                    |
| Spleen   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                    |
| Hematopoietic Cell Proliferation               | 4           | 3    | 2    | 1    | 3    | 2    | 2    | 3    | 4    | 4    | 4    | 2    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 3    | 3    | 3    | 4    | 3    |                    |
| Hyperplasia, Lymphoid                          |             |      |      |      |      |      | 1    | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |                    |
| Thymus   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |                    |
| Hyperplasia, Lymphoid                          |             | 1    | 2    |      |      | 1    |      |      |      |      |      |      |      | 1    |      |      |      | 2    |      | 1    |      | 1    | 2    |      |                    |

INTEGUMENTARY SYSTEM

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland          | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M |
| Skin                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Dermis, Fibrosis       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |
| Dermis, Inflammation   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |
| Epidermis, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |

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+ .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

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

Lab: BAT

|                         |                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |      |
|-------------------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST      | 0639 | 0308 | 0453 | 0575 | 0632 | 0772 | 0776 | 0572 | 0756 | 0771 | 0777 | 0558 | 0552 | 0661 | 0477 | 0688 | 0762 | 0669 | 0492 | 0770 | 0772 | 0676 | 0672 | <b>males<br/>(cont...)</b> |      |
|                         | <b>600 mg/kg</b> | 0010 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 |                            | 0011 |
|                         | ANIMAL ID        | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 | 1100 |                            | 1100 |

Olfactory Epithelium, Pigmentation  
Respiratory Epithelium, Hyperplasia

1 1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye  
Atrophy  
Cataract  
Cornea, Hyperplasia, Squamous  
Cornea, Inflammation

+  
4  
3 3 2  
3 3 2

Harderian Gland  
Hyperplasia  
Infiltration Cellular, Lymphoid

+  
1 2

URINARY SYSTEM

Kidney  
Cyst  
Infiltration Cellular, Lymphoid  
Inflammation  
Metaplasia, Osseous  
Mineralization  
Nephropathy  
Pigmentation  
Pelvis, Dilatation

+  
1  
2 1  
1  
3  
3

Urinary Bladder

+ +

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+ .. Tissue examined microscopically  
X .. Lesion present  
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1-4 .. Lesion qualified as:  
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**Experiment Number:** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

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

**Date Report Requested:** 02/27/2012  
**Time Report Requested:** 10:34:36  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

| B6C3F1 MICE MALE<br>600 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  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 0 | 0 | ANIMAL ID | * TOTALS |  |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|-----------|----------|--|
|                               |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |   |   |   |           |          |  |
|                               | 0           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |   |   |   |           |          |  |
|                               | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1 | 1 | 1 | 1         |          |  |
|                               | 2           | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 5 | 5 | 6 |           |          |  |
|                               | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6  | 7  | 8  | 9  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 0         |          |  |

**ALIMENTARY SYSTEM**

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |                |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|----------------|
| Esophagus   | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |                |
| Gallbladder   | + M + + + + + + M         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 44 |                |
| Intestine Large, Cecum<br>Hyperplasia, Lymphoid                   | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 | 2 1.5          |
| Intestine Large, Colon  | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |                |
| Intestine Large, Rectum   | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |                |
| Intestine Small, Duodenum   | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |                |
| Intestine Small, Ileum<br>Inflammation<br>Epithelium, Hyperplasia | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 | 1 2.0<br>1 2.0 |
| Intestine Small, Jejunum<br>Hyperplasia, Lymphoid<br>Inflammation | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 | 6 1.3<br>1 4.0 |
| Liver   | +           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |                |
| Basophilic Focus  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 5              |
| Clear Cell Focus  | X             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 14             |
| Eosinophilic Focus  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 36             |
| Erythrophagocytosis   | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 11 1.2         |
| Hematopoietic Cell Proliferation                                  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 12 1.2         |
| Hypertrophy   | 3 3 3 4 2 1 2 3 4 3 3 3 3 3 4 4 1 4 2 3 4 2 3 4 2 3 4 2 3 4 2 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 35 3.0         |
| Inflammation  | 1 2 2 2 2 2 2 2 2 2 2 2 2 2 1 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    | 42 1.8         |

\* .. 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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Lab: BAT

| B6C3F1 MICE MALE<br>600 mg/kg                         | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |                  |                  |                      |  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|------------------|----------------------|--|
|   | 0<br>1<br>8<br>4 | 0<br>7<br>2<br>6 | 0<br>6<br>7<br>4 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>6<br>7<br>1 | 0<br>7<br>2<br>6 | 0<br>5<br>7<br>2 | 0<br>6<br>7<br>3 | 0<br>7<br>2<br>7 | 0<br>5<br>2<br>7 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>7 | 0<br>0<br>0<br>0 | 0<br>2<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>5 | 0<br>7<br>2<br>7 | 0<br>6<br>2<br>1 |          | 0<br>7<br>2<br>6 | 0<br>6<br>2<br>6 | 0<br>7<br>2<br>5     |  |
| 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                | 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                | 1                | 1        | 1                | 1                | 1                    |  |
|   | 2                | 2                | 2                | 2                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 4                | 4                | 4                | 4                | 4                | 4                | 4        | 4                | 4                | 4                    |  |
| Mixed Cell Focus                                      |                  |                  |                  |                  | X                | X                |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  | X                | X                |                  |                  |          |                  |                  | 12                   |  |
| Necrosis  | 1                |                  |                  |                  | 1                |                  | 2                |                  |                  |                  | 2                |                  |                  |                  | 2                |                  |                  | 2                |                  |                  | 3        |                  | 3                | 17 1.9               |  |
| Vacuolization Cytoplasmic                             | 3                | 2                |                  | 1                | 2                |                  |                  |                  |                  |                  | 3                |                  |                  |                  |                  |                  | 1                | 1                |                  |                  | 2        |                  |                  | 14 1.9               |  |
| Bile Duct, Hyperplasia                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  | 1 1.0                |  |
| Hepatocyte, Hyperplasia                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  | 1 3.0                |  |
| Vein, Thrombosis                                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  | 1                    |  |
| Mesentery Inflammation                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  | 3<br>2 2.0           |  |
| Pancreas Atrophy Cyst                                 | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | 50<br>1 3.0<br>1 4.0 |  |
| Salivary Glands Infiltration Cellular, Lymphoid       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | 50<br>5 1.0          |  |
| Stomach, Forestomach Infiltration Cellular, Mast Cell | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | 50<br>1 3.0          |  |
| Inflammation  |                  |                  | 3                | 4                |                  | 2                |                  |                  | 1                | 2                |                  |                  |                  | 3                |                  | 3                |                  | 1                | 3                | 3                | 3        |                  | 3                | 21 2.8               |  |
| Mineralization  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |                  |                  | 1 2.0                |  |
| Epithelium, Erosion                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 4                |                  |          |                  |                  | 1 4.0                |  |
| Epithelium, Hyperkeratosis                            |                  |                  | 4                | 3                |                  | 3                |                  |                  | 3                | 4                |                  |                  | 1                |                  | 4                |                  | 4                | 1                | 1                | 3                | 4        | 3                | 4                | 24 3.1               |  |
| Epithelium, Hyperplasia                               |                  |                  | 4                | 4                |                  | 4                | 1                |                  | 3                | 4                |                  |                  | 1                |                  | 4                |                  | 4                | 1                | 2                | 4                | 3        | 4                | 4                | 27 3.2               |  |
| Epithelium, Ulcer                                     |                  |                  | 1                | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 3                |                  |                  |                  |                  | 3                | 2        |                  | 3                | 12 2.1               |  |
| Stomach, Glandular Inflammation                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +        | +                | +                | 50<br>1 1.0          |  |
| Mineralization  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          | 1                |                  | 1 2.0                |  |
| Epithelium, Hyperplasia                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                | 1                |                  | 1                |          | 2                | 2                | 7 1.9                |  |

\* .. 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

| B6C3F1 MICE MALE<br>600 mg/kg | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |    |     |     |     |
|-------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|----|-----|-----|-----|
|                               | 0184        | 0276  | 0367  | 0477  | 0576  | 0677  | 0756  | 0866  | 0977  | 1056  | 1177  | 1276  | 1377  | 1476  | 1577  | 1676  | 1777  | 1876  | 1977  | 2076  | 2177  | 2276  |          | 2377  | 2476  | 2577  |    |     |     |     |
|                               | 00126       | 00118 | 00228 | 00339 | 00440 | 00551 | 00662 | 00773 | 00884 | 00995 | 01006 | 01117 | 01228 | 01339 | 01440 | 01551 | 01662 | 01773 | 01884 | 01995 | 02006 | 02117 | 02228    | 02339 | 02440 | 02551 |    |     |     |     |
| Tooth Dysplasia               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 | 40  |     |     |
| <b>CARDIOVASCULAR SYSTEM</b>  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |    |     |     |     |
| Blood Vessel                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 |     |     |     |
| Heart                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 |     |     |     |
| Cardiomyopathy                |             |       | 1     |       | 1     |       |       |       | 1     | 1     | 1     | 1     |       | 1     |       | 1     |       |       | 1     | 1     | 2     | 1     | 1        |       | 1     |       | 27 | 1.1 |     |     |
| Mineralization                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |          |       |       |       | 2  | 1.0 |     |     |
| <b>ENDOCRINE SYSTEM</b>       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |    |     |     |     |
| Adrenal Cortex                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 |     |     |     |
| Hypertrophy                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |    | 3   | 1.7 |     |
| Subcapsular, Hyperplasia      | 1           | 1     | 1     | 1     | 2     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |       | 1     | 1     |       | 1     | 1     | 1     | 1     | 1     | 1     |          | 1     | 1     |       | 42 | 1.1 |     |     |
| Adrenal Medulla               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 |     |     |     |
| Islets, Pancreatic            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 |     |     |     |
| Hyperplasia                   |             |       | 1     | 1     | 2     | 2     | 1     | 2     | 1     | 3     | 2     |       | 1     | 2     | 2     |       | 2     | 1     | 2     | 1     | 2     | 1     | 1        | 2     |       |       | 44 | 1.8 |     |     |
| Parathyroid Gland             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 46 |     |     |     |
| Pituitary Gland               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 |     |     |     |
| Pars Distalis, Hyperplasia    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1  | 2.0 |     |     |
| Thyroid Gland                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | 50 |     |     |     |
| Cyst                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |    | 1   |     |     |
| Ultimobranchial Cyst          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |    | 1   |     |     |
| Follicle, Hyperplasia         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       | 1  | 1   | 7   | 1.1 |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE             | DAY ON TEST | 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 | 2 | 7 | 6 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 7 | 7 | 6               | 7 | 6 | 6 |
| 600 mg/kg                    | ANIMAL ID   | 8 | 2 | 7 | 2 | 2 | 7 | 2 | 7 | 7 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 8 | 2               | 6 | 5 |   |
|                              |             | 4 | 6 | 4 | 6 | 6 | 1 | 6 | 2 | 3 | 7 | 7 | 6 | 6 | 7 | 0 | 7 | 6 | 6 | 5 | 7 | 7 | 6 | 1               | 6 | 5 |   |
|                              |             | 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 | 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 | 1 | 1 | 1 | 1               | 1 | 1 | 1 |
|                              |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4               | 4 | 4 | 5 |
| 6                            | 7           | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0               | 0 |   |   |
|                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |   |   |
| Follicular Cell, Hypertrophy |             | 2 |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | <b>2 1.5</b>    |   |   |   |

**GENERAL BODY SYSTEM**

|                         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |          |              |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--------------|
| Peritoneum Inflammation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>2</b> | <b>2 2.5</b> |
|-------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------|--------------|

**GENITAL SYSTEM**

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              |              |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|--------------|
| Epididymis                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b>    |              |
| Infiltration Cellular, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>3 1.0</b> |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>2 1.0</b> |
| Preputial Gland                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |              |
| Ectasia                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>5 3.2</b> |              |
| Inflammation                    | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | <b>49</b> | <b>1.2</b>   |              |
| Prostate                        | + | + |   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b> |              |              |
| Hyperplasia                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 1.0</b> |              |
| Infiltration Cellular, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 1.0</b> |              |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>4 1.5</b> |              |
| Seminal Vesicle                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |              |
| Dilatation                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 4.0</b> |              |
| Hyperplasia                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1 1.0</b> |              |
| Testes                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |              |

**HEMATOPOIETIC SYSTEM**

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |  |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |  |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--|

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>600 mg/kg                  | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |     |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----|
|  | 0184        | 0176 | 0167 | 0172 | 0177 | 0166 | 0177 | 0155 | 0166 | 0177 | 0155 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 | 0177 |          |     |
| ANIMAL ID                                      | 001         | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  |          |     |
| Atrophy  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        | 3.0 |
| Hyperplasia                                    | 3           | 3    | 2    | 3    | 3    | 3    | 2    | 3    | 4    | 3    | 3    | 2    | 3    | 3    | 3    | 3    | 3    | 1    | 3    | 2    | 2    | 3    | 3    | 3    | 49       | 2.7 |
| Lymph Node                                     |             | +    | +    |      | +    |      |      |      |      | +    |      | +    | +    | +    | +    |      |      | +    |      |      | +    | +    | +    | 18   |          |     |
| Bronchial, Hyperplasia, Lymphoid               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        | 1.0 |
| Inguinal, Hyperplasia, Lymphoid                | 1           | 1    |      | 1    |      |      |      |      |      | 1    |      | 1    | 2    | 1    | 1    |      |      | 1    |      |      | 1    | 2    | 1    | 16   | 1.2      |     |
| Mediastinal, Infiltration Cellular, Histiocyte |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1        | 3.0 |
| Lymph Node, Mandibular                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |     |
| Hyperplasia, Lymphoid                          |             | 1    |      | 2    | 2    | 1    | 2    |      |      | 1    |      |      | 1    |      |      |      |      | 1    |      |      |      |      |      | 16   | 1.6      |     |
| Infiltration Cellular, Histiocyte              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    | 3.0      |     |
| Lymph Node, Mesenteric                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 49   |          |     |
| Hyperplasia, Lymphoid                          | 2           | 1    |      |      |      |      | 1    | 3    |      |      | 1    |      |      |      |      | 2    | 3    |      |      |      | 2    |      |      | 10   | 1.9      |     |
| Inflammation                                   |             |      |      |      |      |      |      | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    | 3.0      |     |
| Spleen   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |     |
| Hematopoietic Cell Proliferation               | 2           | 2    | 4    | 3    | 2    | 4    | 2    | 4    | 4    | 3    | 4    | 4    | 3    | 4    | 4    | 2    | 3    | 2    | 4    | 4    | 3    | 4    | 4    | 50   | 3.3      |     |
| Hyperplasia, Lymphoid                          |             |      |      |      | 2    |      | 2    |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      | 6    | 1.3      |     |
| Thymus   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |          |     |
| Hyperplasia, Lymphoid                          | 2           | 1    |      | 2    | 1    |      | 2    |      |      |      |      |      | 1    |      |      | 2    |      | 2    |      |      | 2    |      | 1    | 19   | 1.5      |     |

**INTEGUMENTARY SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Mammary Gland          | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M  | 0   |
| Skin                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Dermis, Fibrosis       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 4.0 |
| Dermis, Inflammation   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 3.0 |
| Epidermis, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 4.0 |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|   |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b><br><b>600 mg/kg</b> | DAY ON TEST     | 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 |
|   | 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 |
|   |                 | 1 | 7 | 6 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 0 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 6 | 8 | 2 | 8 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
|   |                 | 8 | 2 | 7 | 2 | 2 | 7 | 2 | 7 | 7 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 8 | 8 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |
|   |                 | 4 | 6 | 4 | 6 | 6 | 1 | 6 | 2 | 3 | 7 | 6 | 6 | 7 | 0 | 7 | 6 | 6 | 5 | 7 | 7 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |   |
|   |                 | 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 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |
|   |                 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 |   |
|   |                 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

Epidermis, Ulcer 1 3.0

**MUSCULOSKELETAL SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|
| Bone               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |  |  |
| Hyperplasia        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |
| Vertebra, Fracture |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |
| Skeletal Muscle    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |
| Hemorrhage         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |

**NERVOUS SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|
| Brain              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |  |  |
| Peripheral Nerve   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |
| Spinal, Hemorrhage |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |  |  |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|--|--|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |  |  |
| Inflammation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |
| Pigmentation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |
| Alveolar Epithelium, Hyperplasia                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |
| Alveolus, Infiltration Cellular, Histiocyte         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |  |  |
| Inflammation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |
| Glands, Metaplasia, Respiratory                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |  |  |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>600 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | * TOTALS |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|----------|
|                               | 0<br>1<br>8<br>4 | 0<br>7<br>2<br>6 | 0<br>6<br>7<br>4 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>6<br>7<br>1 | 0<br>7<br>2<br>6 | 0<br>5<br>7<br>2 | 0<br>6<br>7<br>3 | 0<br>7<br>2<br>7 | 0<br>5<br>2<br>7 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>0<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>5 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>6 | 0<br>6<br>7<br>1 | 0<br>7<br>2<br>6 | 0<br>6<br>7<br>5 |   |          |
| 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                | 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                | 1                | 1                | 1                | 1                | 1 |          |
|                               | 2                | 2                | 2                | 2                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 4                | 4                | 4                | 4                | 4                | 4                | 4                | 4                | 5 |          |
| 6                             | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                |   |          |

|                                     |  |  |   |   |   |   |   |   |   |   |  |   |   |   |   |  |   |   |   |  |  |   |   |   |              |               |
|-------------------------------------|--|--|---|---|---|---|---|---|---|---|--|---|---|---|---|--|---|---|---|--|--|---|---|---|--------------|---------------|
| Olfactory Epithelium, Pigmentation  |  |  |   |   |   |   |   |   |   |   |  |   |   |   |   |  |   |   |   |  |  |   |   | 1 | <b>3 1.0</b> |               |
| Respiratory Epithelium, Hyperplasia |  |  | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |  | 1 | 1 | 1 | 1 |  | 1 | 1 | 1 |  |  | 1 | 1 | 1 | 1            | <b>37 1.0</b> |

Trachea + 50

SPECIAL SENSES SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |              |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------------|
| Eye                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |              |
| Atrophy                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>1 4.0</b> |
| Cataract                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>1 3.0</b> |
| Cornea, Hyperplasia, Squamous   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>3 2.7</b> |
| Cornea, Inflammation            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>3 2.7</b> |
| Harderian Gland                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |              |
| Hyperplasia                     |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>3 1.3</b> |
| Infiltration Cellular, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |    | <b>1 1.0</b> |

URINARY SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |               |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---------------|
| Kidney                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |               |
| Cyst                            |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |    | <b>8 1.0</b>  |
| Infiltration Cellular, Lymphoid |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>1 2.0</b>  |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>1 1.0</b>  |
| Metaplasia, Osseous             |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |    | <b>4 1.3</b>  |
| Mineralization                  |   | 1 |   | 1 | 2 | 1 | 1 |   | 1 | 1 |   | 1 | 1 | 1 |   | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |    | <b>38 1.1</b> |
| Nephropathy                     |   | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 2 | 1 | 1 |   | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 |    | <b>44 1.1</b> |
| Pigmentation                    |   |   | 3 |   |   | 1 |   |   |   | 1 | 2 | 3 |   | 2 | 2 |   |   | 2 | 2 | 3 | 1 |   | 3 | 2  | <b>26 2.3</b> |
| Pelvis, Dilatation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | <b>1 3.0</b>  |
| Urinary Bladder                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |               |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                         |  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|-------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                         |  | 5           | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 0 | 6 | 5 | 7 | 7 | 5 | 7 | 5 | 7 | 2 | 7 | 5 | 7 |
| <b>B6C3F1 MICE MALE</b> |  | 9           | 4 | 8 | 4 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 9 | 7 | 7 | 2 | 7 | 7 | 5 | 2 | 0 | 7 | 2 | 2 | 7 |   |
| <b>2000 mg/kg</b>       |  | 7           | 3 | 1 | 3 | 1 | 7 | 6 | 6 | 6 | 5 | 7 | 0 | 6 | 6 | 7 | 7 | 3 | 7 | 3 | 6 | 0 | 5 | 6 | 7 |   |
|                         |  | 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 |   |
|                         |  | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
|                         |  | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|                         |  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
|                         |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**males (cont...)**

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Gallbladder<br>Hyperplasia, Cystic                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M |   |
| Intestine Large, Cecum<br>Hyperplasia, Lymphoid   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Duodenum<br>Ectopic Tissue       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum<br>Hyperplasia, Lymphoid   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 |   |
| Intestine Small, Jejunum<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Basophilic Focus                                  |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus                                  |   |   |   |   |   |   | X | X |   |   |   |   |   |   |   |   | X |   | X | X |   |   |   |   | X |   |
| Eosinophilic Focus                                |   | X | X | X | X | X | X | X | X | X | X |   |   | X | X | X | X | X | X | X | X | X | X | X | X |   |
| Erythrophagocytosis                               |   |   |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                  |   |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   | 1 |   |   |   | 1 | 1 |   |   |   | 1 |   |   | 1 |   |
| Hypertrophy                                       |   |   |   | 4 | 3 | 3 | 3 | 4 | 3 | 2 |   | 4 |   |   | 3 |   |   |   | 3 | 3 |   |   |   |   | 3 |   |
| Inflammation                                      | 2 |   | 2 |   | 3 | 1 | 2 | 2 | 2 | 2 |   | 2 | 2 | 1 | 2 |   | 2 | 1 |   | 1 |   | 2 | 3 | 1 | 2 | 2 |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE                                      | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   | ANIMAL ID             | males<br>(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|---|-----------------------|--------------------|
|   | 0<br>5<br>9<br>7 | 0<br>6<br>4<br>3 | 0<br>6<br>8<br>1 | 0<br>4<br>4<br>3 | 0<br>6<br>4<br>1 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>6<br>2<br>5 | 0<br>7<br>2<br>7 | 0<br>6<br>2<br>0 | 0<br>6<br>7<br>6 | 0<br>5<br>1<br>6 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>3 | 0<br>5<br>7<br>7 | 0<br>7<br>2<br>3 | 0<br>5<br>5<br>6 | 0<br>7<br>0<br>5 | 0<br>7<br>2<br>3 | 0<br>5<br>7<br>6 | 0<br>7<br>2<br>7 |   |   |                       |                    |
| Mixed Cell Focus Necrosis                             |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  | X                |                  |                  |                  |                  |                  |   |   | 0<br>0<br>1<br>5<br>1 |                    |
| Tension Lipidosis                                     |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   | 0<br>0<br>1<br>5<br>1 |                    |
| Vacuolization Cytoplasmic                             |                  |                  |                  |                  | 2                | 1                |                  | 1                | 1                |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  | 1                |                  |                  |   |   | 0<br>0<br>1<br>5<br>1 |                    |
| Bile Duct, Hyperplasia                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | 1 | 0<br>0<br>1<br>5<br>1 |                    |
| Mesentery Inflammation                                |                  |                  |                  |                  |                  | +                |                  |                  |                  | +                |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   | 0<br>0<br>1<br>5<br>1 |                    |
| Pancreas Infiltration Cellular, Lymphoid Inflammation |                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + | 0<br>0<br>1<br>5<br>1 |                    |
| Salivary Glands Infiltration Cellular, Lymphoid       |                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + | 0<br>0<br>1<br>5<br>1 |                    |
| Stomach, Forestomach Inflammation                     |                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + | 0<br>0<br>1<br>5<br>1 |                    |
| Epithelium, Erosion                                   |                  | 2                | 3                | 2                | 3                | 2                | 3                | 3                | 3                | 1                | 2                | 2                | 3                |                  | 3                | 3                | 3                | 3                | 2                | 3                | 2                | 3                | 3                | 2 | 3 | 0<br>0<br>1<br>5<br>1 |                    |
| Epithelium, Hyperkeratosis                            |                  | 3                | 3                | 4                | 3                | 2                | 3                | 3                | 2                | 2                | 3                | 2                | 2                |                  | 4                | 3                | 3                | 4                | 2                | 3                | 3                | 3                | 3                | 3 | 4 | 0<br>0<br>1<br>5<br>1 |                    |
| Epithelium, Hyperplasia                               |                  | 3                | 3                | 4                | 3                | 3                | 4                | 4                | 3                | 2                | 4                | 4                | 2                |                  | 4                | 4                | 4                | 4                | 3                | 4                | 4                | 4                | 4                | 4 | 4 | 0<br>0<br>1<br>5<br>1 |                    |
| Epithelium, Ulcer                                     |                  |                  | 3                | 1                | 3                |                  | 3                |                  | 2                |                  | 2                |                  | 2                |                  | 2                | 3                | 1                | 2                |                  |                  |                  |                  | 2                | 3 | 3 | 0<br>0<br>1<br>5<br>1 |                    |
| Stomach, Glandular Cyst                               |                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + | 0<br>0<br>1<br>5<br>1 |                    |
| Inflammation  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   | 0<br>0<br>1<br>5<br>1 |                    |
| Epithelium, Hyperplasia                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |   | 0<br>0<br>1<br>5<br>1 |                    |
| Tooth Dysplasia                                       |                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | + | + | 0<br>0<br>1<br>5<br>1 |                    |

\* .. 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 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 02/27/2012  
Time Report Requested: 10:34:36  
First Dose M/F: 03/17/05 / 03/18/05  
Lab: BAT

|                         |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                            |
|-------------------------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0<br>5<br>9<br>7 | 0<br>6<br>4<br>3 | 0<br>6<br>8<br>1 | 0<br>4<br>4<br>3 | 0<br>6<br>4<br>1 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>6<br>0<br>6 | 0<br>6<br>5<br>2 | 0<br>7<br>1<br>6 | 0<br>7<br>2<br>7 | 0<br>5<br>7<br>3 | 0<br>7<br>2<br>7 | 0<br>5<br>5<br>3 | 0<br>7<br>2<br>6 | 0<br>7<br>0<br>0 | 0<br>5<br>7<br>5 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>5<br>2<br>7 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | <b>males<br/>(cont...)</b> |
|                         | ANIMAL ID   | 0<br>1<br>5<br>1 | 0<br>0<br>5<br>2 | 0<br>0<br>5<br>3 | 0<br>0<br>5<br>4 | 0<br>0<br>5<br>5 | 0<br>0<br>5<br>6 | 0<br>0<br>5<br>7 | 0<br>0<br>5<br>8 | 0<br>0<br>5<br>9 | 0<br>0<br>6<br>0 | 0<br>0<br>6<br>1 | 0<br>0<br>6<br>2 | 0<br>0<br>6<br>3 | 0<br>0<br>6<br>4 | 0<br>0<br>6<br>5 | 0<br>0<br>6<br>6 | 0<br>0<br>6<br>7 | 0<br>0<br>6<br>8 | 0<br>0<br>6<br>9 | 0<br>0<br>7<br>0 | 0<br>0<br>7<br>1 | 0<br>0<br>7<br>2 | 0<br>0<br>7<br>3 | 0<br>0<br>7<br>4 | 0<br>0<br>7<br>5 |                  |                            |

**CARDIOVASCULAR SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy |   |   | 1 | 1 |   | 2 | 2 |   | 1 | 1 |   |   | 1 |   |   |   | 1 | 1 |   | 1 |   |   | 1 |   |   | 1 | 1 | 1 |   |
| Thrombosis     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hypertrophy                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Subcapsular, Hyperplasia     |   |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Adrenal Medulla              | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |
| Islets, Pancreatic           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia                  |   |   | 1 | 2 |   | 1 | 1 |   | 1 |   | 1 | 2 | 2 |   | 2 |   | 1 |   | 1 | 1 | 1 | 2 |   |   | 1 |   | 1 | 1 |   |
| Parathyroid Gland            | + | + | + | M | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thyroid Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Follicle, Hyperplasia        | 1 |   |   |   |   |   |   |   | 1 | 1 |   | 1 | 2 |   | 1 |   | 2 | 1 |   | 1 |   | 1 |   | 1 |   | 1 | 2 | 2 |   |
| Follicular Cell, Hypertrophy | 1 | 1 | 1 |   | 1 |   | 1 | 1 | 1 |   | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 | 1 |   |

**GENERAL BODY 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>2000 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | males<br>(cont...) |                       |  |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--------------------|-----------------------|--|
|                                | 0<br>5<br>9<br>7 | 0<br>6<br>4<br>3 | 0<br>6<br>8<br>1 | 0<br>4<br>4<br>3 | 0<br>6<br>4<br>1 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>7<br>2<br>6 | 0<br>6<br>2<br>5 | 0<br>7<br>2<br>7 | 0<br>6<br>2<br>6 | 0<br>0<br>7<br>6 | 0<br>6<br>7<br>2 | 0<br>5<br>1<br>6 | 0<br>7<br>2<br>7 | 0<br>5<br>7<br>3 | 0<br>7<br>2<br>7 | 0<br>5<br>5<br>6 |           |                    |                       |  |
|                                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0         | 0                  | 0<br>0<br>1<br>5<br>1 |  |

Peritoneum Inflammation + 3

**GENITAL SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis<br>Infiltration Cellular, Lymphoid<br>Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Preputial Gland<br>Ectasia                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 |   |   |
| Fibrosis  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |
| Inflammation  | 1 | 1 | 1 |   | 1 |   | 1 | 1 | 1 |   | 1 | 1 |   | 1 | 1 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 |
| Prostate<br>Hyperplasia                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Inflammation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 1 |
| Seminal Vesicle<br>Inflammation                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Testes<br>Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | 3 |   |
| Mineralization  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |

**HEMATOPOIETIC SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Bone Marrow<br>Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Lymph Node                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>2000 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 | 0 | 0 | ANIMAL ID | males<br>(cont...) |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
|   |             | 5 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 0 | 6 | 5 | 7 | 7 | 5 | 7 | 5 | 7 | 7 |           |                    | 5 | 7 | 7 | 7 | 7 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |             | 9 | 4 | 8 | 4 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 9 | 7 | 7 | 1 | 2 | 2 | 7 | 7 | 5 | 5 | 2 | 0         | 7                  | 2 | 2 | 0 | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |             | 7 | 3 | 1 | 3 | 1 | 7 | 6 | 6 | 5 | 7 | 0 | 6 | 2 | 6 | 7 | 7 | 7 | 3 | 7 | 3 | 6 | 0 | 5         | 6                  | 6 | 7 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1         | 1                  | 1 | 1 | 1 | 0 | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7         | 7                  | 7 | 7 | 7 | 0 | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3         | 4                  | 5 | 6 | 7 | 0 | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Bronchial, Hyperplasia, Lymphoid<br>Bronchial, Infiltration Cellular, Histiocyte<br>Inguinal, Hyperplasia, Lymphoid |             |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid<br>Infiltration Cellular, Histiocyte                                |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                  | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                  | + | + | + | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Spleen<br>Hematopoietic Cell Proliferation<br>Hyperplasia<br>Hyperplasia, Lymphoid                                  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                  | + | + | + | 2 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 4 | 1 | 4 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | 4 | 4 | 3 | 3 |   |  |
| Thymus<br>Hyperplasia, Lymphoid   |             | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                  | + | M | + |   |   |   |   |   |   | 2 | 1 |   | 1 | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |  |
| <b>INTEGUMENTARY SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Mammary Gland   |             | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M         | M                  | M | M | M |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Skin  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                  | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| <b>MUSCULOSKELETAL SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Bone  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                  | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Skeletal Muscle<br>Cyst   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

\* .. 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

|                         |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> | <b>DAY ON TEST</b> | 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 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 0 | 6 | 5 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 |
|                         |                    | 9 | 4 | 8 | 4 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 9 | 7 | 7 | 1 | 2 | 2 | 7 | 5 | 2 | 0 | 7 | 2 | 2 | 2 | 2 | 2 |
| <b>2000 mg/kg</b>       | <b>ANIMAL ID</b>   | 7 | 3 | 1 | 3 | 1 | 7 | 6 | 6 | 5 | 7 | 0 | 6 | 2 | 6 | 7 | 7 | 3 | 7 | 3 | 6 | 0 | 5 | 6 | 7 | 7 | 7 |   |
|                         |                    | 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 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |
|                         |                    | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|                         |                    | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |   |

males (cont...)

Inflammation

NERVOUS SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphoid |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

RESPIRATORY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Metaplasia, Osseous                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Alveolar Epithelium, Hyperplasia            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolus, Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 1 |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation  |   |   |   |   |   | 1 |   | 1 |   | 3 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| Glands, Metaplasia, Respiratory                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |   |   |   |   |   |   |   | 1 |   | 3 |   | 3 |   | 3 |   |   | 3 | 2 | 2 |   | 3 | 3 | 3 |   |   |   | 2 |   |
| Olfactory Epithelium, Hyperplasia                   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Pigmentation                  |   |   |   |   |   |   | 1 |   | 1 |   | 1 |   |   |   |   | 1 | 1 |   |   |   | 1 |   |   |   | 1 |   |   |   |
| Respiratory Epithelium, Hyperplasia                 | 1 | 1 | 1 |   |   | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   | 2 |   |   | 1 | 1 |   |   |   |   |   |   | 1 |   |

|         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

Ear

\* .. 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 - 04

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 02/27/2012

Test Type: CHRONIC

Ginkgo biloba extract

Time Report Requested: 10:34:36

Route: GAVAGE

CAS Number: 90045-36-6

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

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE<br><br>2000 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 | 0 | 0 | 0 | 0 | males<br>(cont...) |   |
|------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
|                                    | 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 |                    |   |
|                                    |             | 5 | 6 | 6 | 4 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 0 | 6 | 5 | 7 | 7 | 5 | 7 | 5 | 7 | 7 | 5 | 7 |                    |   |
|                                    |             | 9 | 4 | 8 | 4 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 9 | 7 | 7 | 1 | 2 | 2 | 7 | 2 | 5 | 5 | 2 | 0 | 7 | 2                  |   |
|                                    |             | 7 | 3 | 1 | 3 | 1 | 7 | 6 | 6 | 6 | 5 | 7 | 0 | 6 | 2 | 6 | 7 | 7 | 3 | 7 | 3 | 6 | 0 | 5 | 6 | 7                  |   |
|                                    |             | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                  |   |
|                                    |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7                  |   |
|                                    |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5                  |   |
| Eye                                |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                  |   |
| Cornea, Inflammation               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |
| Harderian Gland                    |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                  |   |
| Cyst                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |
| Hyperplasia                        |             |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |                    |   |
| <b>URINARY SYSTEM</b>              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |
| Kidney                             |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                  |   |
| Cyst                               |             |   |   |   |   |   |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |                    | 1 |
| Inflammation                       |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |
| Mineralization                     |             | 1 | 1 |   |   | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   | 1 |   |                    |   |
| Nephropathy                        |             |   |   | 1 | 2 | 2 | 1 | 1 | 1 | 2 |   | 1 | 2 |   |   |   | 1 | 1 |   | 1 | 1 | 1 | 2 | 1 | 1 | 1                  | 1 |
| Pigmentation                       |             | 3 | 3 |   |   |   |   |   |   | 3 | 1 |   | 3 |   | 2 |   |   |   |   | 1 | 1 |   | 1 |   |   |                    |   |
| Urinary Bladder                    |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                  |   |
| Inflammation                       |             |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |   |

\* .. 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

|                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                 |       |
|-------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0726  | 0672  | 0772  | 0772  | 0772  | 0663  | 0665  | 0772  | 0666  | 0772  | 0772  | 0558  | 0668  | 0660  | 0772  | 0664  | 0776  | 0558  | 0772  | 0667  | 0662  | 0771  | 0772  | <b>* TOTALS</b> |       |
|                         | ANIMAL ID   | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 |                 | 00199 |
|                         |             | 00011 | 00012 | 00013 | 00014 | 00015 | 00016 | 00017 | 00018 | 00019 | 00020 | 00021 | 00022 | 00023 | 00024 | 00025 | 00026 | 00027 | 00028 | 00029 | 00030 | 00031 | 00032 | 00033 |                 | 00034 |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|--|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | <b>50</b>    |  |
| Gallbladder<br>Hyperplasia, Cystic                | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | <b>46</b> | <b>1 1.0</b> |  |
| Intestine Large, Cecum<br>Hyperplasia, Lymphoid   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1 1.0</b> |  |
| Intestine Large, Colon                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |  |
| Intestine Large, Rectum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |  |
| Intestine Small, Duodenum<br>Ectopic Tissue       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1 2.0</b> |  |
| Intestine Small, Ileum<br>Hyperplasia, Lymphoid   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1 2.0</b> |  |
| Intestine Small, Jejunum<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>2 2.0</b> |  |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |  |
| Basophilic Focus                                  | X |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>4</b>  |              |  |
| Clear Cell Focus                                  |   |   |   |   | X | X |   |   |   | X |   |   |   |   | X |   |   | X |   |   |   |   |   | X | <b>12</b> |              |  |
| Eosinophilic Focus                                | X | X |   |   | X | X | X |   | X | X |   | X | X |   | X | X | X | X | X | X |   |   |   | X | <b>39</b> |              |  |
| Erythrophagocytosis                               |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   | 2 |   |   |   |   |   | 1 | <b>7</b>  | <b>1.3</b>   |  |
| Hematopoietic Cell Proliferation                  | 1 |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   | <b>14</b> | <b>1.0</b>   |  |
| Hypertrophy                                       | 2 |   |   | 4 | 4 | 2 |   | 4 | 3 |   |   |   | 2 | 4 |   |   |   | 4 |   |   |   |   |   | 4 | <b>23</b> | <b>3.2</b>   |  |
| Inflammation                                      | 2 | 1 | 1 | 2 |   |   | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   | 2 | 2 | 2 | 2 | <b>39</b> | <b>1.8</b>   |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE<br>2000 mg/kg                  | DAY ON TEST |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |   |        |        |
|---|-------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|---|--------|--------|
|   | 07266       | 067226 | 077226 | 077767 | 06671 | 06677 | 07665 | 07669 | 07668 | 07667 | 07665 | 05668 | 06668 | 06602 | 07664 | 06666 | 07577 | 07722 | 06622 | 07670 |          | 07721 | 06777 |   |        |        |
| ANIMAL ID                                       | 00176       | 00017  | 00017  | 00011  | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011 | 00011    | 00011 | 00011 |   |        |        |
| Mixed Cell Focus                                |             |        |        |        |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |          |       | X     | 9 |        |        |
| Necrosis  |             |        |        |        |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |          |       |       | 3 | 19 2.3 |        |
| Tension Lipidosis                               |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 1      |        |
| Vacuolization Cytoplasmic                       |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 14 1.5 |        |
| Bile Duct, Hyperplasia                          |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 2 1.0  |        |
| Mesentery Inflammation                          |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 4      | 2 2.0  |
| Pancreas Infiltration Cellular, Lymphoid        |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 50     | 2 1.0  |
| Pancreas Inflammation                           |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 2      | 2 1.5  |
| Salivary Glands Infiltration Cellular, Lymphoid |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 50     | 1 1.0  |
| Stomach, Forestomach Inflammation               |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 50     | 45 2.6 |
| Stomach, Forestomach Epithelium, Erosion        |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 4      | 3 3.3  |
| Stomach, Forestomach Epithelium, Hyperkeratosis |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 3      | 46 3.1 |
| Stomach, Forestomach Epithelium, Hyperplasia    |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 4      | 45 3.6 |
| Stomach, Forestomach Epithelium, Ulcer          |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 2      | 24 2.2 |
| Stomach, Glandular Cyst                         |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 50     | 1 1.0  |
| Stomach, Glandular Inflammation                 |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 1      | 1 1.0  |
| Stomach, Glandular Epithelium, Hyperplasia      |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 1      | 4 1.3  |
| Tooth Dysplasia                                 |             |        |        |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |   | 50     | 33     |

\* .. 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 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

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

**Date Report Requested:** 02/27/2012  
**Time Report Requested:** 10:34:36  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

| B6C3F1 MICE MALE | DAY ON TEST | 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               | ANIMAL ID |   |   |   |   |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|-----------|---|---|---|---|
|                  |             | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | 2 | 5 | 7 | 7 | 6 | 7 | 7 | 6               |           |   |   | 7 | 7 |
| 2000 mg/kg       |             | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 5 | 2 | 9 | 5 | 2 | 0 | 8 | 8 | 0 | 2 | 0 | 2 | 0 | 2 | 8 | 2 | 2 | 1 | 2               | 0         |   |   |   |   |
|                  |             | 6 | 6 | 6 | 6 | 7 | 6 | 7 | 1 | 7 | 9 | 8 | 7 | 5 | 0 | 8 | 2 | 7 | 4 | 6 | 6 | 7 | 6 | 0 | 0 | 7 | 7               | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1               | 1         | 0 | 0 |   |   |
|                  |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9               | 9         | 0 | 0 |   |   |
|                  |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0               | 0         |   | 0 |   |   |
|                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |           |   |   |   |   |

|                         |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |       |
|-------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|-------|
| Peritoneum Inflammation | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 3 | 2 3.0 |
|-------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|-------|

**GENITAL SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |       |   |       |    |     |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-------|---|-------|----|-----|
| Epididymis Infiltration Cellular, Lymphoid Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2 1.0 | 3 | 3 2.0 |    |     |
| Preputial Gland Ectasia Fibrosis Inflammation           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 4 | 8 3.3 | 3 | 3 3.0 | 46 | 1.3 |
| Prostate Hyperplasia Inflammation                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0   | 2 | 4 1.8 |    |     |
| Seminal Vesicle Inflammation                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0   |   |       |    |     |
| Testes Inflammation Mineralization                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2 2.0 | 2 | 1.5   |    |     |

**HEMATOPOIETIC SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |       |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-------|---|---|---|---|---|---|
| Bone Marrow Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 | 2 2.7 |   |   |   |   |   |   |
| Lymph Node              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 14 | + | +     | + | + | + | + | + | + |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>2000 mg/kg   | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | * TOTALS |        |        |        |      |     |     |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|------|-----|-----|
|  | 0766        | 0616   | 0726   | 0726   | 0726   | 0726   | 0666   | 0666   | 0776   | 0666   | 0666   | 0776   | 0666   | 0776   | 0556   | 0666   | 0666   | 0776   | 0666   | 0776   | 0556   | 0666   | 0666   | 0776   |          | 0666   | 0776   | 0666   | 0776 |     |     |
| ANIMAL ID  | 001766      | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117 | 000117   | 000117 | 000117 | 000117 |      |     |     |
| Bronchial, Hyperplasia, Lymphoid   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        | 4      | 1.3  |     |     |
| Bronchial, Infiltration Cellular, Histiocyte   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        | 2      | 1    | 2.0 |     |
| Inguinal, Hyperplasia, Lymphoid  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        | 1      | 1    | 1.1 |     |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid<br>Infiltration Cellular, Histiocyte | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | 50     | 5    | 1.4 |     |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid                                      | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | 50     | 1    | 2.0 |     |
| Spleen<br>Hematopoietic Cell Proliferation<br>Hyperplasia<br>Hyperplasia, Lymphoid   | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | 50     | 50   | 3.2 |     |
| Thymus<br>Hyperplasia, Lymphoid  | +           | +      | +      | +      | +      | +      | +      | +      | +      | M      | +      | +      | M      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | 45     | 10   | 1.5 |     |
| <b>INTEGUMENTARY SYSTEM</b>  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |      |     |     |
| Mammary Gland  | M           | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M      | M        | M      | M      | M      | M    | 0   |     |
| Skin   | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | 50   |     |     |
| <b>MUSCULOSKELETAL SYSTEM</b>  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        |      |     |     |
| Bone   | +           | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +      | +        | +      | +      | +      | 50   |     |     |
| Skeletal Muscle<br>Cyst  |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |        |        | 1    | 1   | 2.0 |

\* .. 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:  
 1) Minimal 3) Moderate  
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Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE MALE<br>2000 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 | 0 | 0 | 0   | * TOTALS |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|----------|
|   | ANIMAL ID   | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7   |          |
| Inflammation  |             | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 1 2.0    |
| <b>NERVOUS SYSTEM</b>                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |          |
| Brain   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +   | 50       |
| Infiltration Cellular, Lymphoid                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 1 1.0    |
| <b>RESPIRATORY SYSTEM</b>                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |          |
| Lung  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +   | 50       |
| Inflammation  |             |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |     | 3 1.3    |
| Metaplasia, Osseous                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |     | 1 1.0    |
| Mineralization                                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 1 1.0    |
| Alveolar Epithelium, Hyperplasia                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |     | 1 2.0    |
| Alveolus, Infiltration Cellular, Histiocyte         |             |   |   | 1 |   |   |   |   |   |   |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   |     | 5 1.4    |
| Nose  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +   | 50       |
| Inflammation  |             |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   | 1 |   | 1 | 2 |   |   |   |   |   |     | 9 1.3    |
| Glands, Metaplasia, Respiratory                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |     | 1 1.0    |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |             | 1 | 2 | 1 | 1 |   |   | 2 |   |   | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 |   |   | 1   | 28 1.8   |
| Olfactory Epithelium, Hyperplasia                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 1 3.0    |
| Olfactory Epithelium, Pigmentation                  |             |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   | 1 2 | 13 1.1   |
| Respiratory Epithelium, Hyperplasia                 |             | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |   | 1 | 1 | 1 | 1 |   |   | 1 |   | 1 | 1 | 1 | 1 | 1   | 33 1.1   |
| Trachea   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +   | 50       |
| <b>SPECIAL SENSES SYSTEM</b>                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |          |
| Ear   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     | 1        |

\* .. 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:  
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Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE MALE      | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |   |
|-----------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|
|                       |             | 7 | 6 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 6 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 |          | 7 |
| 2000 mg/kg            | ANIMAL ID   | 2 | 1 | 2 | 2 | 2 | 3 | 5 | 2 | 9 | 5 | 2 | 0 | 8 | 8 | 0 | 2 | 0 | 2 | 0 | 2 | 2 | 2 | 1 | 2        |   |
|                       |             | 6 | 6 | 6 | 6 | 7 | 7 | 1 | 7 | 9 | 8 | 7 | 5 | 0 | 8 | 2 | 7 | 4 | 6 | 6 | 7 | 6 | 0 | 7 | 7        |   |
|                       |             | 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 | 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 | 1 | 1 | 1 | 1 | 1        | 2 |
| 7                     | 7           | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0        |   |
| 6                     | 7           | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0        |   |
| Eye                   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |   |
| Cornea, Inflammation  |             | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0    |   |
| Harderian Gland       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |   |
| Cyst                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 1 2.0    |   |
| Hyperplasia           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.0    |   |
| <b>URINARY SYSTEM</b> |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |
| Kidney                |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |   |
| Cyst                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 1 | 5 1.0    |   |
| Inflammation          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |   |
| Mineralization        |             | 1 |   |   | 1 | 1 |   |   | 1 |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   | 1 | 1 | 21 1.0   |   |
| Nephropathy           |             | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 | 3 | 1 |   | 1 |   |   | 1 | 1 | 2 | 2 | 1 | 39 1.2   |   |
| Pigmentation          |             | 3 |   | 2 | 3 |   |   | 3 | 3 |   | 2 |   |   |   | 2 | 3 |   |   |   |   |   | 1 | 3 | 2 | 19 2.3   |   |
| Urinary Bladder       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |   |
| Inflammation          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0    |   |

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

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Experiment Number: 99031 - 04

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Route: GAVAGE

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg |  | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |      |      |      |      |
|-------------------------------|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|------|------|------|------|
|                               |  | 0006        | 0078 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 | 0079 |                      | 0079 |      |      |      |
|                               |  | 0002        | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 |                      | 0002 | 0002 |      |      |
| ANIMAL ID                     |  | 0001        | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021                 | 0022 | 0023 | 0024 | 0025 |

ALIMENTARY SYSTEM

|   |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Esophagus Inflammation Perforation  | +<br>2<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Gallbladder   | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Intestine Large, Cecum  | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Intestine Large, Colon  | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Intestine Large, Rectum   | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Intestine Small, Duodenum Epithelium, Hyperplasia   | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Intestine Small, Ileum Inflammation Epithelium, Hyperplasia   | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Intestine Small, Jejunum  | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |
| Liver Basophilic Focus Clear Cell Focus Eosinophilic Focus Fatty Change, Focal Hematopoietic Cell Proliferation Inflammation Mixed Cell Focus | +<br>2      | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 | +<br>2 |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg   | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |   |   |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|---|
|                                 | 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 | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2         | 2                    | 2 |   |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0         | 0                    | 0 |   |
|                                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2         | 2                    | 2 |   |
|                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Necrosis                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 3 |   |   |   |           | 3                    |   |   |
| Tension Lipidosis               |             |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   |           |                      |   |   |
| Vacuolization Cytoplasmic       |             |   | 3 | 3 |   |   |   |   | 1 | 2 | 1 | 1 |   |   | 3 |   |   |   | 1 |   | 1         | 1                    | 1 |   |
| Mesentery                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Fat, Necrosis                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Oral Mucosa                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Pancreas                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Atrophy                         | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                    | + |   |
| Cyst                            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Acinus, Hypertrophy             |             |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |           |                      |   |   |
| Salivary Glands                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Infiltration Cellular, Lymphoid |             |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |           |                      |   |   |
| Stomach, Forestomach            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Inflammation                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Epithelium, Hyperkeratosis      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Epithelium, Hyperplasia         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Epithelium, Ulcer               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Stomach, Glandular              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Mineralization                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Epithelium, Hyperplasia         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |
| Tooth                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |

**CARDIOVASCULAR 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

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 1) Minimal 3) Moderate  
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Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
|                    | 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 mg/kg            | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 0 | 4 | 7 | 7 | 7 | 6 | 6 | 7         |                      |
|                    | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 4 | 0 | 7 | 2 | 2 | 2 | 5 | 5 | 2         |                      |
|                    | 6           | 8 | 9 | 9 | 7 | 7 | 1 | 9 | 9 | 7 | 8 | 9 | 7 | 9 | 4 | 7 | 7 | 3 | 6 | 9 | 8 | 9 | 7 | 3 | 2 | 7         |                      |
|                    | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2         |                      |
|                    | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2         |                      |
|                    | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |           |                      |

Blood Vessel Mineralization Aorta, Inflammation +  
2

Heart Cardiomyopathy Inflammation Mineralization Epicardium, Inflammation +  
1 1 1 1 3 1

ENDOCRINE SYSTEM

Adrenal Cortex Angiectasis Hematopoietic Cell Proliferation Hypertrophy Subcapsular, Hyperplasia +  
1 1 1 1 1 1 1 2 1 2 2 2 2 2 1 2 2 2 2 2 1 2

Adrenal Medulla +

Islets, Pancreatic Hyperplasia +  
1 2 3 1

Parathyroid Gland Hyperplasia M +

Pituitary Gland Pars Distalis, Hyperplasia +  
2 2 1 1 1

Thyroid Gland +

\* .. 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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|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 0 | 0 | 4 | 7 | 7 | 7 | 6 | 6 | 7 |
| <b>0 mg/kg</b>            |             | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 9 | 2 | 4 | 0 | 7 | 2 | 2 | 2 | 2 | 5 | 5 | 2 |
|                           | ANIMAL ID   | 6 | 8 | 9 | 9 | 7 | 7 | 1 | 9 | 9 | 7 | 8 | 9 | 7 | 9 | 4 | 7 | 7 | 3 | 6 | 9 | 8 | 9 | 8 | 9 | 7 | 3 | 7 |   |
|                           |             | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |   |   |

females (cont...)

Ultimobranchial Cyst X X  
C-cell, Hyperplasia X X 1  
Follicle, Cyst X  
Follicular Cell, Hypertrophy X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Inflammation      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                                  |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ovary Angiectasis                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cyst                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thrombosis                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus Fibrosis                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Endometrium, Decidual Reaction   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Endometrium, Hyperplasia         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Endometrium, Hyperplasia, Cystic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

HEMATOPOIETIC SYSTEM

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                         | 2 | 2 | 1 |   | 2 |   | 2 |   |   |   | 1 | 1 |   |   | 1 | 2 | 3 | 1 | 2 | 1 | 4 |   |   | 1 |   | 2 | 1 |   |

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+ .. Tissue examined microscopically M .. Missing tissue  
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Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | females<br>(cont...) |      |      |      |
|-------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|------|------|
|                               | 0006        | 0078 | 0079 | 0079 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0077 | 0069 | 0074 | 0075 | 0077 | 0077 |           |                      | 0066 | 0066 | 0077 |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0001 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0002 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0003 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0004 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0005 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0006 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0007 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0008 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0009 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0010 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0011 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0012 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0013 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0014 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0015 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0016 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0017 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0018 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0019 |      |
|                               | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0                    | 0    | 0020 |      |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node<br>Bronchial, Hyperplasia, Lymphoid  | + |   |   |   |   | + |   | + |   |   |   |   |   |   | + | + | + | + |   |   |   |   | + |
| Inguinal, Hyperplasia, Lymphoid                 | 2 |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |
| Pancreatic, Angiectasis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreatic, Hyperplasia, Lymphoid               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Renal, Angiectasis                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                                    | 2 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   | 2 |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   | 2 | 3 |
| Spleen<br>Hematopoietic Cell Proliferation      | 3 | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 3 |   |   |   | 3 | 3 |   | 4 |
| Hyperplasia, Lymphoid                           |   |   |   | 2 | 1 |   |   |   | 2 |   | 2 | 1 |   | 1 |   |   | 2 |   |   |   | 2 |   | 1 |
| Pigmentation                                    |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |
| Thymus<br>Hyperplasia, Lymphoid                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Necrosis  | 2 |   |   |   |   |   |   |   | 2 |   | 2 | 2 |   | 2 | 1 |   | 2 |   |   |   | 2 | 2 | 2 |

INTEGUMENTARY SYSTEM

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland<br>Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin<br>Dermis, Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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



|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 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 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 0 | 4 | 7 | 7 | 7 | 6 | 6 | 7 |
|                           |             | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 4 | 0 | 7 | 2 | 2 | 2 | 5 | 5 | 2 |
| <b>0 mg/kg</b>            | ANIMAL ID   | 6 | 8 | 9 | 9 | 7 | 7 | 1 | 9 | 9 | 7 | 8 | 9 | 9 | 4 | 7 | 7 | 3 | 6 | 9 | 8 | 9 | 9 | 7 | 3 | 7 |   |
|                           |             | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |

females (cont...)

Glands, Metaplasia

1

1

1

Olfactory Epithelium, Accumulation, Hyaline Droplet

1

1

1

Olfactory Epithelium, Degeneration

2

2

2

Olfactory Epithelium, Hyperplasia

3

Olfactory Epithelium, Metaplasia

1

Respiratory Epithelium, Hyperplasia

1

1

1

1

1

1

1

1

1

Trachea

+

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**SPECIAL SENSES SYSTEM**

Ear

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Eye

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Anterior Chamber, Inflammation

Cornea, Inflammation

Harderian Gland

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Hyperplasia

1

Infiltration Cellular, Lymphoid

**URINARY SYSTEM**

Kidney

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Cyst

Infarct

1

Inflammation

Metaplasia, Osseous

Mineralization

1

1

1

1

Nephropathy

1

1

2

2

2

1

1

2

1

1

1

1

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                    |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------------|
| <b>B6C3F1 MICE FEMALE</b><br><br><b>0 mg/kg</b> | DAY ON TEST | 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 | <b>females</b><br><b>(cont...)</b> |
|   |             | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 5 | 0 | 4 | 7 | 7 | 7 | 6 | 6 | 7 | 0 | 0 |   |                                    |
|   | 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 |                                    |
|   | 6           | 8 | 9 | 9 | 7 | 7 | 1 | 9 | 9 | 7 | 8 | 9 | 9 | 4 | 7 | 7 | 3 | 6 | 9 | 8 | 9 | 8 | 9 | 7 | 3 | 7 |   |   |                                    |
|   |             | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |                                    |
|   |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |                                    |
|   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |   |                                    |

Glomerulus, Amyloid Deposition

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Urinary Bladder Infiltration Cellular, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 3 |   |   | 1 |   |   |   |   |   |   |   |   |

\* .. 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

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |   |  |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|--|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |   |   |  |
|                           |             | 7 | 7 | 7 | 7 | 6 | 0 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 0 | 7 |                 | 7 |   |  |
| <b>0 mg/kg</b>            | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |   |   |  |
|                           |             | 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 | 5 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 3 | 2 | 0 | 8 | 2 | 0 | 0 | 2 | 2               |   |   |  |
|                           |             | 7 | 8 | 0 | 8 | 9 | 4 | 7 | 8 | 9 | 5 | 7 | 7 | 3 | 8 | 1 | 7 | 8 | 9 | 7 | 0 | 6 | 8 | 0               |   |   |  |
|                           |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8               | 9 | 0 |  |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |       |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-------|--|
| Esophagus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |     |       |  |
| Inflammation                                      |   |   |   |   |   |   | 3 |   |   |   |   |   | 3 |   |   |   |   |   |   |   | 2 |   |   |   |    | 5  | 2.6 |       |  |
| Perforation                                       |   |   |   |   |   |   | 3 |   |   |   |   |   | 3 |   |   |   |   |   |   |   | 3 |   |   |   |    |    | 4   | 2.8   |  |
| Gallbladder                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     |       |  |
| Intestine Large, Cecum                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     |       |  |
| Intestine Large, Colon                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     |       |  |
| Intestine Large, Rectum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     |       |  |
| Intestine Small, Duodenum Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     | 1 2.0 |  |
| Intestine Small, Ileum Inflammation               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     | 1 1.0 |  |
| Epithelium, Hyperplasia                           | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 2.0 |       |  |
| Intestine Small, Jejunum                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     |       |  |
| Liver Basophilic Focus                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     | 7     |  |
| Clear Cell Focus                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   |       |  |
| Eosinophilic Focus                                | X |   |   |   |   |   | X | X |   |   |   | X | X | X |   | X | X | X |   | X | X | X |   |   |    | 26 |     |       |  |
| Fatty Change, Focal                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1   |       |  |
| Hematopoietic Cell Proliferation                  | 2 |   |   | 1 | 2 | 2 |   |   |   |   |   | 1 |   |   |   |   | 2 |   |   | 1 | 2 |   |   |   |    | 14 | 1.5 |       |  |
| Inflammation                                      | 2 | 1 | 1 | 1 |   |   | 1 | 1 | 1 |   |   | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 |   | 1 |    | 38 | 1.3 |       |  |
| Mixed Cell Focus                                  | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |    | 7  |     |       |  |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg   | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  | * TOTALS |
|---------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------|
|                                 | 0727        | 0728 | 0720 | 0728 | 0729 | 0704 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 |  |          |
| ANIMAL ID                       | 0022        | 0022 | 0022 | 0022 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 |  |          |
| Necrosis                        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    | 4    |  |          |
| Tension Lipidosis               | X           |      | X    |      |      |      |      |      |      |      |      |      |      |      |      |      | X    |      |      |      |      |      | 5    |  |          |
| Vacuolization Cytoplasmic       |             | 2    |      |      | 1    |      |      |      | 1    |      |      |      |      | 2    |      | 2    |      |      |      |      | 3    |      | 18   |  |          |
| Mesentery                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |  |          |
| Fat, Necrosis                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |  |          |
| Oral Mucosa                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |  |          |
| Pancreas                        | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |  |          |
| Atrophy                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    | 1    |  |          |
| Cyst                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |  |          |
| Acinus, Hypertrophy             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |  |          |
| Salivary Glands                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |  |          |
| Infiltration Cellular, Lymphoid | 1           |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      | 3    |  |          |
| Stomach, Forestomach            | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |  |          |
| Inflammation                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4    |  |          |
| Epithelium, Hyperkeratosis      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |  |          |
| Epithelium, Hyperplasia         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 8    |  |          |
| Epithelium, Ulcer               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |  |          |
| Stomach, Glandular              | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |  |          |
| Mineralization                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |  |          |
| Epithelium, Hyperplasia         | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |  |          |
| Tooth                           | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50   |  |          |

CARDIOVASCULAR 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |    | * TOTALS |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----------|
|                    | 0727        | 0728 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 |    |          |
| 0 mg/kg            | 0022        | 0022 | 0022 | 0022 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 50 |          |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |       |       |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|-------|-------|-------|
| Blood Vessel Mineralization Aorta, Inflammation                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 | 1 1.0 |       |       |
| Heart Cardiomyopathy Inflammation Mineralization Epicardium, Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 7 1.0 | 2 1.0 | 2 2.5 | 2 1.5 |

ENDOCRINE SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |        |       |       |        |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|-------|-------|--------|
| Adrenal Cortex Angiectasis Hematopoietic Cell Proliferation Hypertrophy Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0  | 5 1.0 | 1 1.0 | 46 1.7 |
| Adrenal Medulla  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |        |       |       |        |
| Islets, Pancreatic Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 7 1.4  |       |       |        |
| Parathyroid Gland Hyperplasia  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | 1 1.0  |       |       |        |
| Pituitary Gland Pars Distalis, Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 14 1.6 |       |       |        |
| Thyroid Gland  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |        |       |       |        |

\* .. 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



|                           |                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|---------------------------|----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| <b>B6C3F1 MICE FEMALE</b> | <b>0 mg/kg</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>* TOTALS</b> |
|                           |                | ANIMAL ID   | 7 | 7 | 7 | 7 | 6 | 0 | 7 | 7 | 7 | 7 | 4 | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 0 | 7 | 7 | 7 |                 |
|                           | 2              | 2           | 2 | 2 | 5 | 1 | 2 | 2 | 2 | 2 | 5 | 2 | 3 | 2 | 0 | 8 | 2 | 0 | 0 | 2 | 2 | 2 | 0 | 0 |                 |
|                           | 7              | 8           | 0 | 8 | 9 | 4 | 7 | 8 | 9 | 5 | 7 | 7 | 7 | 3 | 8 | 1 | 7 | 8 | 9 | 7 | 0 | 6 | 8 | 8 |                 |

|                              |   |  |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |   |  |  |   |   |   |   |              |
|------------------------------|---|--|--|--|---|--|---|--|---|---|--|--|--|--|--|---|---|---|---|--|--|---|---|---|---|--------------|
| Ultimobranchial Cyst         | X |  |  |  |   |  |   |  |   |   |  |  |  |  |  | X | X | X | X |  |  | X | X | X | X | <b>14</b>    |
| C-cell, Hyperplasia          |   |  |  |  | 1 |  |   |  |   | 1 |  |  |  |  |  |   |   |   |   |  |  |   |   |   |   | <b>3 1.0</b> |
| Follicle, Cyst               |   |  |  |  |   |  | X |  | X |   |  |  |  |  |  |   |   |   |   |  |  |   |   |   |   | <b>3</b>     |
| Follicular Cell, Hypertrophy |   |  |  |  |   |  |   |  |   |   |  |  |  |  |  |   |   |   |   |  |  |   |   |   |   | <b>1 3.0</b> |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              |               |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------|---------------|
| Clitoral Gland                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |               |
| Inflammation                     |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   | 1 |   |           | <b>4 1.8</b> |               |
| Ovary                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |               |
| Angiectasis                      |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   | 2 |   |           | <b>2 3.0</b> |               |
| Cyst                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   | 3 |   |   |   |   |   | 3 |           |              | <b>8 2.6</b>  |
| Mineralization                   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>1 1.0</b>  |
| Thrombosis                       |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>1 3.0</b>  |
| Uterus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |              |               |
| Fibrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>1 1.0</b>  |
| Inflammation                     | 2 |   |   | 3 |   |   |   |   |   |   |   | 3 | 2 |   |   |   |   | 4 |   | 3 |   |   | 2 |           |              | <b>7 2.7</b>  |
| Endometrium, Decidual Reaction   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>1</b>      |
| Endometrium, Hyperplasia         |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |              | <b>1 3.0</b>  |
| Endometrium, Hyperplasia, Cystic | 3 | 2 | 3 | 3 | 2 |   |   | 1 |   |   |   | 2 | 2 | 1 | 3 |   | 1 | 2 | 3 | 1 | 4 | 4 | 4 | 3         | 4            | <b>35 2.3</b> |

**HEMATOPOIETIC SYSTEM**

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |               |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|---|---|---|---|---------------|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |   |   |   |   |   |               |
| Hyperplasia | 3 | 1 | 2 | 1 | 3 | 4 |   |   | 2 |   |   | 3 | 2 | 1 |   |   | 2 | 2 | 2 |   |   | 3 | 3 | 3         | 3 | 2 | 2 | 3 | 4 | <b>38 2.1</b> |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg     | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
|                                   | 0727        | 0728 | 0730 | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 |      |          |
| ANIMAL ID                         | 0022        | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 |          |
| Lymph Node                        | +           |      |      |      |      |      |      |      |      | +    |      |      |      |      | +    |      |      |      |      | +    |      |      |      |      |          |
| Bronchial, Hyperplasia, Lymphoid  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |          |
| Inguinal, Hyperplasia, Lymphoid   | 2           |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      | 2    | 2    |      |          |
| Pancreatic, Angiectasis           |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      |          |
| Pancreatic, Hyperplasia, Lymphoid |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Renal, Angiectasis                |             |      |      |      |      |      |      |      |      |      |      |      |      |      | 4    |      |      |      |      |      |      |      |      |      |          |
|                                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Lymph Node, Mandibular            | +           | +    | +    | +    | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |      |          |
| Hyperplasia, Lymphoid             |             |      | 3    |      |      |      |      |      |      |      |      |      |      |      | 2    |      | 2    | 1    |      |      |      |      |      |      |          |
| Inflammation                      |             |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |
| Lymph Node, Mesenteric            | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |      |          |
| Hyperplasia, Lymphoid             | 2           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 3    |      |      |          |
| Spleen                            | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |      |          |
| Hematopoietic Cell Proliferation  | 3           | 3    | 2    | 3    | 4    | 4    | 4    | 3    | 3    | 4    | 3    | 3    | 3    | 2    | 3    | 2    | 4    | 4    | 4    | 3    | 3    | 3    | 3    |      |          |
| Hyperplasia, Lymphoid             | 2           | 1    | 2    |      |      |      |      | 2    |      |      | 2    | 1    |      | 3    | 3    | 3    | 1    |      |      |      |      | 1    |      |      |          |
| Pigmentation                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |          |
| Thymus                            | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    |      |          |
| Hyperplasia, Lymphoid             |             |      |      |      | 2    |      |      | 1    |      |      | 3    |      | 2    | 1    |      |      |      |      |      |      |      |      |      |      |          |
| Necrosis                          |             |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      | 3    |      |      |          |

**INTEGUMENTARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia          |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   | 3 |   |
| Skin                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Dermis, Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |

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Ginkgo biloba extract

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Lab: BAT

|                           |                |             |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                 |  |
|---------------------------|----------------|-------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------|--|
| <b>B6C3F1 MICE FEMALE</b> | <b>0 mg/kg</b> | DAY ON TEST | 0<br>7<br>2<br>7           | 0<br>7<br>2<br>8           | 0<br>7<br>2<br>0           | 0<br>7<br>2<br>8           | 0<br>6<br>5<br>9           | 0<br>0<br>1<br>4           | 0<br>7<br>2<br>7           | 0<br>7<br>2<br>8           | 0<br>7<br>2<br>9           | 0<br>0<br>1<br>5           | 0<br>7<br>2<br>7           | 0<br>7<br>2<br>7           | 0<br>4<br>5<br>3           | 0<br>7<br>2<br>8           | 0<br>5<br>3<br>1           | 0<br>7<br>2<br>7           | 0<br>0<br>8<br>9           | 0<br>7<br>0<br>7           | 0<br>0<br>2<br>6           | 0<br>7<br>2<br>8           | 0<br>7<br>2<br>8           | 0<br>0<br>2<br>0           | 0<br>7<br>2<br>0           | <b>* TOTALS</b> |  |
|                           |                | ANIMAL ID   | 0<br>0<br>2<br>2<br>2<br>6 | 0<br>0<br>2<br>2<br>2<br>7 | 0<br>0<br>2<br>2<br>2<br>8 | 0<br>0<br>2<br>2<br>3<br>9 | 0<br>0<br>2<br>2<br>3<br>1 | 0<br>0<br>2<br>2<br>3<br>2 | 0<br>0<br>2<br>2<br>3<br>3 | 0<br>0<br>2<br>2<br>3<br>4 | 0<br>0<br>2<br>2<br>3<br>5 | 0<br>0<br>2<br>2<br>3<br>6 | 0<br>0<br>2<br>2<br>3<br>7 | 0<br>0<br>2<br>2<br>3<br>8 | 0<br>0<br>2<br>2<br>3<br>9 | 0<br>0<br>2<br>2<br>3<br>0 | 0<br>0<br>2<br>2<br>4<br>1 | 0<br>0<br>2<br>2<br>4<br>2 | 0<br>0<br>2<br>2<br>4<br>3 | 0<br>0<br>2<br>2<br>4<br>4 | 0<br>0<br>2<br>2<br>4<br>5 | 0<br>0<br>2<br>2<br>4<br>6 | 0<br>0<br>2<br>2<br>4<br>7 | 0<br>0<br>2<br>2<br>4<br>8 | 0<br>0<br>2<br>2<br>4<br>9 |                 |  |
|                           |                |             |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                 |  |

|                              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |          |            |  |   |          |            |            |
|------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|----------|------------|--|---|----------|------------|------------|
| Epidermis, Hyperplasia       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 | <b>1</b> | <b>4.0</b> |  |   |          |            |            |
| Epidermis, Ulcer             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |          |            |  | 3 | <b>1</b> | <b>3.0</b> |            |
| Sebaceous Gland, Hyperplasia |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |          |            |  |   | 2        | <b>1</b>   | <b>2.0</b> |

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|--|
| Bone            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | <b>50</b> |  |
| Osteoporosis    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |
| Skeletal Muscle |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |

**NERVOUS SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-----------|--|
| Brain                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | <b>50</b> |  |
| Gliosis                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |
| Peripheral Nerve       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |
| Sciatic, Demyelination |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |
| Spinal, Demyelination  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |           |  |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |  |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|--|
| Lung                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |           | <b>50</b> |  |
| Metaplasia, Osseous               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |  |
| Thrombosis                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |  |
| Alveolar Epithelium, Hyperplasia  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |  |
| Alveolar Epithelium, Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |  |
| Pleura, Inflammation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |  |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   | <b>50</b> |           |  |
| Inflammation                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |  |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE FEMALE                                  | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |        |    |
|---|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|--------|----|
|   | 07          | 07 | 07 | 07 | 06 | 00 | 07 | 07 | 07 | 07 | 00 | 07 | 07 | 07 | 04 | 07 | 05 | 07 | 07 | 05 | 07 | 07 | 00 |          | 07     | 07 |
| 0 mg/kg   | 27          | 28 | 20 | 28 | 59 | 14 | 27 | 28 | 29 | 15 | 27 | 27 | 27 | 53 | 28 | 31 | 27 | 28 | 97 | 77 | 06 | 28 | 28 | 00       |        |    |
|   | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       |        |    |
|   | 22          | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22       |        |    |
|   | 22          | 22 | 22 | 22 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44       |        |    |
|   | 67          | 78 | 80 | 88 | 90 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99       |        |    |
| Glands, Metaplasia                                  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 3 1.0  |    |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |             |    |    |    |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |          | 5 1.0  |    |
| Olfactory Epithelium, Degeneration                  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 3 2.0  |    |
| Olfactory Epithelium, Hyperplasia                   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1 3.0  |    |
| Olfactory Epithelium, Metaplasia                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1 1.0  |    |
| Respiratory Epithelium, Hyperplasia                 | 1           |    |    |    | 1  |    |    | 1  |    |    |    | 1  |    |    |    |    |    | 1  |    | 1  |    |    |    |          | 15 1.0 |    |
| Trachea   | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | 50     |    |
| <b>SPECIAL SENSES SYSTEM</b>                        |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |        |    |
| Ear   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |        | 1  |
| Eye   | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | 50     |    |
| Anterior Chamber, Inflammation                      |             |    |    |    | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1 4.0  |    |
| Cornea, Inflammation                                |             |    |    |    | 4  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1 4.0  |    |
| Harderian Gland                                     | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | 50     |    |
| Hyperplasia   |             |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    |    |    |    |    |    |          | 2 1.0  |    |
| Infiltration Cellular, Lymphoid                     |             |    |    |    |    |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1 1.0  |    |
| <b>URINARY SYSTEM</b>                               |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |        |    |
| Kidney  | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | 50     |    |
| Cyst  |             |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    |    |    |    |    |    |          | 1 1.0  |    |
| Infarct   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1 1.0  |    |
| Inflammation  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    |    |    |          | 1 2.0  |    |
| Metaplasia, Osseous                                 |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |          | 1 1.0  |    |
| Mineralization                                      | 1           |    |    |    | 1  |    |    |    |    |    |    | 1  |    |    |    |    |    | 1  | 1  |    |    |    |    |          | 11 1.0 |    |
| Nephropathy   | 1           | 1  | 1  |    |    |    | 1  |    | 1  |    |    | 2  | 2  | 1  |    |    |    | 2  | 1  | 1  |    |    |    | 2        | 24 1.3 |    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically

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



Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                           |                  |           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                              |
|---------------------------|------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST      | 0685      | 0729  | 0634  | 0685  | 0576  | 0777  | 0777  | 0777  | 0667  | 0767  | 0777  | 0777  | 0777  | 0777  | 0777  | 0777  | 0667  | 0667  | 0777  | 0667  | 0777  | 0777  | 0777  | 0777  | <b>females<br/>(cont...)</b> |
|                           | <b>200 mg/kg</b> | ANIMAL ID | 00251 | 00252 | 00253 | 00254 | 00255 | 00256 | 00257 | 00258 | 00259 | 00260 | 00261 | 00262 | 00263 | 00264 | 00265 | 00266 | 00267 | 00268 | 00269 | 00270 | 00271 | 00272 | 00273 |                              |

**ALIMENTARY SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder Cyst                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum Necrosis  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus                 |   |   |   |   |   | X | X |   |   |   |   | X | X |   | X |   |   | X |   |   |   |   |   |   |   |   |
| Clear Cell Focus                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus               | X | X |   | X | X | X |   | X |   | X | X | X | X | X | X | X |   |   | X | X | X | X | X | X | X | X |
| Erythrophagocytosis              |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| Fatty Change, Focal              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |
| Hypertrophy                      | 4 |   |   | 3 |   | 3 |   |   |   |   |   |   |   | 2 | 2 | 2 |   | 1 |   |   | 2 |   |   | 2 | 2 | 2 |
| Inflammation                     | 2 | 1 |   | 2 | 1 | 1 | 3 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 |
| Mixed Cell Focus                 |   |   |   | X | X | X |   |   | X | X |   | X |   | X |   | X | X |   |   | X |   | X | X | X | X | X |
| Necrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   | 1 |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>200 mg/kg                 | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | females<br>(cont...) |       |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|-------|
|   | 0685        | 0729  | 0634  | 0685  | 0578  | 0772  | 0772  | 0772  | 0676  | 0772  | 0676  | 0772  | 0772  | 0772  | 0772  | 0772  | 0772  | 0772  | 0666  | 0666  | 0772  | 0666  | 0772  | 0772  |                      | 0772  |
| ANIMAL ID                                       | 00251       | 00252 | 00253 | 00254 | 00255 | 00256 | 00257 | 00258 | 00259 | 00260 | 00261 | 00262 | 00263 | 00264 | 00265 | 00266 | 00267 | 00268 | 00269 | 00270 | 00271 | 00272 | 00273 | 00274 | 00275                | 00276 |
| Tension Lipidosis                               |             |       | X     |       | X     |       |       |       | X     |       | X     |       |       |       | X     |       |       |       |       |       |       |       |       |       |                      |       |
| Vacuolization Cytoplasmic Bile Duct, Cyst       | 3           | 1     | 2     | 3     |       | 3     | 2     |       | 2     | 3     | 1     | 1     | 2     |       | 2     | 2     | 3     |       |       | 1     |       | 3     |       |       | 3                    | 2     |
| Mesentery Fat, Necrosis                         |             |       |       |       |       |       |       | +     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Pancreas Atrophy                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Infiltration Cellular, Lymphoid Duct, Cyst      |             |       |       |       |       |       |       | 1     |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |                      | 1     |
| Salivary Glands Infiltration Cellular, Lymphoid | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                    | +     |
| Stomach, Forestomach Inflammation               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                    | +     |
| Mineralization Epithelium, Erosion              | 1           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Epithelium, Hyperkeratosis                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Epithelium, Hyperplasia                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Epithelium, Ulcer                               | 1           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Stomach, Glandular Cyst                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Inflammation Epithelium, Hyperplasia            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                      |       |
| Tooth Dysplasia                                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                    | +     |
|   |             |       |       |       |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |       |       |       |       |       |       |                      |       |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                           |                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | <b>200 mg/kg</b> | DAY ON TEST | 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           | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                           |                  | 8           | 2 | 3 | 8 | 8 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 5 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                           |                  | 5           | 9 | 4 | 5 | 6 | 9 | 7 | 7 | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 7 | 6 | 5 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
|                           |                  | 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 | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |   |
|                           | 5                | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |   |
|                           | 1                | 2           | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |   |   |   |   |

females (cont...)

CARDIOVASCULAR SYSTEM

|                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel Mineralization | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart Cardiomyopathy        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Necrosis                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

ENDOCRINE SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex Hematopoietic Cell Proliferation Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adrenal Medulla Hyperplasia  | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 |   |   |   |   |
| Islets, Pancreatic Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland Hyperplasia  | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | M |   |   |   |
| Pituitary Gland Angiectasis Pars Distalis, Hyperplasia                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

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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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                              |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0685 | 0729 | 0634 | 0665 | 0657 | 0677 | 0677 | 0677 | 0667 | 0676 | 0677 | 0677 | 0677 | 0677 | 0677 | 0677 | 0666 | 0666 | 0677 | 0666 | 0677 | 0677 | 0677 | 0677 | 0677 | <b>females<br/>(cont...)</b> |
|                           | ANIMAL ID   | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071 | 0072 | 0073 | 0074 | 0075 |                              |

Ultimobranchial Cyst  
 C-cell, Hyperplasia  
 Follicle, Cyst  
 Follicular Cell, Hypertrophy

X  
 1 1  
 X  
 X  
 1 1 1  
 1  
 1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Inflammation                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary Cyst Hemorrhage, Chronic                                    | + | + | + | + | + | 2 | + | + | + | + | + | 3 | + | + | + | + | + | + | + | + | + | + | 3 | + | + |
| Uterus Inflammation Malformation Endometrium, Hyperplasia, Cystic | + | + | + | + | + | 1 | 3 | + | + | + | + | 4 | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   | 3 | 2 | 3 | 2 | 2 |   | 3 | 4 | 2 |   | 3 | 3 |   |   | 2 | 3 |   |   | 2 | 3 | 2 | 2 | 2 |

HEMATOPOIETIC SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hyperplasia Necrosis            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   | 2 | 2 | 1 |   | 3 | 3 | 1 | 1 | 3 | 2 | 2 | 3 | 1 | 2 | 1 |   |   | 3 | 3 | 3 | 4 | 2 | 2 | 3 |   |
| Lymph Node Bronchial, Hyperplasia, Lymphoid |   |   | + |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   | + | + | + |   |   |
|   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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**Experiment Number:** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

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

**Date Report Requested:** 02/27/2012  
**Time Report Requested:** 10:34:36  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

| <b>B6C3F1 MICE FEMALE</b>   | DAY ON TEST | 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 |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   | 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 |
| <b>200 mg/kg</b>  |             | 6 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|   |             | 8 | 2 | 3 | 8 | 8 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 8 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|   |             | 5 | 9 | 4 | 5 | 6 | 9 | 7 | 7 | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 7 | 6 | 5 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
|   |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Inguinal, Hyperplasia, Lymphoid<br>Mediastinal, Hyperplasia, Lymphoid                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |
| Spleen<br>Hematopoietic Cell Proliferation<br>Hyperplasia, Lymphoid<br>Mineralization |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |
| Thymus<br>Hyperplasia, Lymphoid   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |
| <b>INTEGUMENTARY SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mammary Gland   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skin  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| <b>MUSCULOSKELETAL SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bone<br>Fracture<br>Osteoporosis<br>Synovial Tissue, Inflammation                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skeletal Muscle   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**females (cont...)**

\* .. 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 - 04  
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Ginkgo biloba extract  
CAS Number: 90045-36-6

Date Report Requested: 02/27/2012  
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Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 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 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7                        | 7 | 7 |
|                           |             | 8 | 2 | 3 | 8 | 8 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 5 | 8 | 2 | 5 | 2 | 2 | 2 | 2                        | 2 | 2 |
|                           |             | 5 | 9 | 4 | 5 | 6 | 9 | 7 | 7 | 7 | 9 | 8 | 8 | 8 | 8 | 9 | 7 | 6 | 5 | 9 | 8 | 8 | 8 | 8 | 8                        | 8 | 8 |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4                        | 5 | 6 |
| <b>200 mg/kg</b>          | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0                        | 0 |   |
|                           |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2                        | 2 |   |
|                           |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7                        | 7 |   |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4                        | 5 |   |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>females (cont...)</b> |   |   |

### NERVOUS SYSTEM

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gliosis          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage       | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Peripheral Nerve |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spinal Cord      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

### RESPIRATORY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage  | 3 |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Histiocyte                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   | 2 |
| Inflammation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   | 2 |
| Mineralization                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolar Epithelium, Hyperplasia                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Bronchiole, Hyperplasia                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Glands, Metaplasia                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| Olfactory Epithelium, Pigmentation                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Hyperplasia                 |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   | 1 |   | 1 |   |   | 1 | 1 |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                           | 0685        | 0729 | 0634 | 0668 | 0588 | 0722 | 0772 | 0772 | 0667 | 0762 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0666 | 0666 | 0772 | 0666 | 0772 | 0772 | 0772 |      | 0772 |
| <b>200 mg/kg</b>          | ANIMAL ID   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                           | 0025        | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 | 0025 |      |

**SPECIAL SENSES SYSTEM**

|                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Eye                  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cataract             |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Phthisis Bulbi       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cornea, Inflammation |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Harderian Gland      | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**URINARY SYSTEM**

|                                 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Kidney                          | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dilatation                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Metaplasia, Osseous             | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mineralization                  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nephropathy                     | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Urinary Bladder                 | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Infiltration Cellular, Lymphoid |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* .. 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

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | * TOTALS |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|
|                    |             | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 |           |          |
| 200 mg/kg          |             | 2 | 2 | 2 | 2 | 9 | 0 | 2 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0         | 0        |
|                    |             | 9 | 8 | 8 | 9 | 6 | 4 | 7 | 4 | 9 | 8 | 8 | 7 | 9 | 9 | 7 | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 7 | 0         | 0        |
|                    |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0         | 0        |

**ALIMENTARY SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Esophagus                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Gallbladder Cyst                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 1.7 |
| Intestine Large, Cecum Necrosis  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 2.0 |
| Intestine Large, Colon           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Intestine Large, Rectum          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Intestine Small, Duodenum        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Intestine Small, Ileum           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Intestine Small, Jejunum         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Liver                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Basophilic Focus                 |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   |   |   | 8  |       |
| Clear Cell Focus                 |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   | X |   |   |   |   | 3  |       |
| Eosinophilic Focus               | X | X |   | X | X | X | X |   | X | X | X | X |   |   | X | X | X | X |   | X | X | X | X | X | 39 |       |
| Erythrophagocytosis              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   | 3  | 1.0   |
| Fatty Change, Focal              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |       |
| Hematopoietic Cell Proliferation |   |   |   |   |   | 1 | 1 | 3 | 1 |   |   |   | 1 |   |   |   | 1 | 1 |   |   | 1 |   |   | 1 | 12 | 1.3   |
| Hypertrophy                      | 2 |   |   | 2 |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 2 | 2 | 2 |   |   | 2 | 18 | 2.2   |
| Inflammation                     | 2 | 1 | 2 | 2 |   | 2 | 1 |   | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   | 2 | 2 | 2 | 45 | 1.6   |
| Mixed Cell Focus                 | X | X |   |   |   | X | X | X | X |   |   |   |   |   | X | X | X | X |   | X |   | X | X |   | 27 |       |
| Necrosis                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 2.0   |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>200 mg/kg                 | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |                 |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----------------|
|   | 0729        | 0728  | 0728  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  |       |          |                 |
| ANIMAL ID                                       | 00076       | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 |          |                 |
| Tension Lipidosis                               | X           |       |       | X     |       |       |       | X     | X     |       |       | X     | X     |       |       |       |       |       |       |       |       |       |       |       |          | 11              |
| Vacuolization Cytoplasmic Bile Duct, Cyst       | 2           | 2     | 1     | 3     | 1     |       | 3     | 2     | 3     | 2     |       | 1     | 2     |       |       | 3     | 2     | 2     | 2     | 2     | 3     | 1     |       | 2     | 1        | 38 2.1<br>2     |
| Mesentery Fat, Necrosis                         | +           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 5<br>5 3.8      |
| Pancreas Atrophy                                | +           | +     | +     | +     | A     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 49<br>4 1.5     |
| Infiltration Cellular, Lymphoid Duct, Cyst      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 3 1.0<br>1 4.0  |
| Salivary Glands Infiltration Cellular, Lymphoid | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50<br>2 1.0     |
| Stomach, Forestomach Inflammation               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50<br>6 2.3     |
| Mineralization Epithelium, Erosion              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 1.0<br>1 3.0  |
| Epithelium, Hyperkeratosis                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 2.0           |
| Epithelium, Hyperplasia                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 11 2.0          |
| Epithelium, Ulcer                               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 18 1.8<br>1 3.0 |
| Stomach, Glandular Cyst                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50<br>1 1.0     |
| Inflammation Epithelium, Hyperplasia            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2 1.0<br>2 2.0  |
| Tooth Dysplasia                                 | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50<br>4         |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                           |             |  |   |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|--|---|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST |  | 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 |   |   |
|                           | ANIMAL ID   |  | 7 | 7               | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   | 7 |
| <b>200 mg/kg</b>          | DAY ON TEST |  | 2 | 2               | 2 | 2 | 9 | 0 | 2 | 0 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 8 | 7 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|                           | ANIMAL ID   |  | 9 | 8               | 8 | 9 | 6 | 4 | 7 | 4 | 0 | 2 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 8 | 8 | 7 | 8 | 8 | 7 | 8 | 8 | 7 |   |
|                           |             |  |   | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           |             |  |   | 2               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |   |
|                           |             |  |   | 7               | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |   |
|                           |             |  |   | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |
|                           |             |  |   | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**CARDIOVASCULAR SYSTEM**

|                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |          |            |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|------------|
| Blood Vessel Mineralization | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b> |          |            |
| Heart                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |          |            |
| Cardiomyopathy              |   |   | 2 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   | 1 |   |   |           | <b>5</b> | <b>1.2</b> |
| Inflammation                |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b> | <b>1.0</b> |
| Mineralization              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>2</b> | <b>1.5</b> |
| Necrosis                    |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b> | <b>3.0</b> |

**ENDOCRINE SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Adrenal Cortex                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |            |            |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>   | <b>3.0</b> |
| Subcapsular, Hyperplasia         | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 |   | <b>50</b> | <b>1.6</b> |            |
| Adrenal Medulla                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |            |            |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>1</b>   | <b>2.0</b> |
| Islets, Pancreatic               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |            |            |
| Hyperplasia                      |   |   |   | 1 | 1 |   |   | 1 |   |   |   | 1 |   |   |   |   | 1 |   | 1 | 1 | 1 |   |   |   |   |   |           | <b>11</b>  | <b>1.0</b> |
| Parathyroid Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>46</b> |            |            |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |           | <b>1</b>   | <b>1.0</b> |
| Pituitary Gland                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |            |            |
| Angiectasis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |           | <b>1</b>   | <b>3.0</b> |
| Pars Distalis, Hyperplasia       |   | 2 |   | 2 |   |   |   |   |   |   | 1 | 1 |   |   |   | 1 | 1 | 2 | 2 |   |   | 3 |   | 1 |   | 1 |           | <b>20</b>  | <b>1.6</b> |
| Thyroid Gland                    | + | + | I | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b> |            |            |

\* .. 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 - 04

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 02/27/2012

Test Type: CHRONIC

Ginkgo biloba extract

Time Report Requested: 10:34:36

Route: GAVAGE

CAS Number: 90045-36-6

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

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE<br>200 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 | 0 | 0     | * TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|----------|
|                                 |             | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7     |          |
|                                 |             | 2 | 2 | 2 | 2 | 9 | 0 | 2 | 0 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 8 | 8 | 2 | 2 | 2     |          |
|                                 | ANIMAL ID   | 9 | 8 | 8 | 9 | 6 | 4 | 7 | 4 | 9 | 8 | 8 | 7 | 9 | 9 | 7 | 7 | 9 | 8 | 8 | 7 | 8 | 8     |          |
|                                 |             | 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 | 0 | 0 | 0 | 0 | 0     |          |
|                                 |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3     |          |
|                                 |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0     |          |
|                                 |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7     |          |
| Ultimobranchial Cyst            |             |   |   |   |   |   |   | X |   |   |   |   |   | X |   |   |   | X |   | X |   |   | 7     |          |
| C-cell, Hyperplasia             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6 1.0 |          |
| Follicle, Cyst                  |             |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   | 1     |          |
| Follicular Cell, Hypertrophy    |             |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 3 |   |   |   | 1 | 5 1.4 |          |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |        |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|--------|
| Clitoral Gland<br>Inflammation   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     | 2 2.5  |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 | 2 |   |   |   |        |        |
| Ovary<br>Cyst                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     | 10 2.1 |
| Hemorrhage, Chronic              |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   | 1 |   | 3 | 1 | 10 2.1 | 1 3.0  |
| Uterus<br>Inflammation           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     | 10 2.4 |
| Malformation                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1      |
| Endometrium, Hyperplasia, Cystic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 37 2.4 |
|                                  |   |   |   |   |   |   |   |   |   | 2 | 3 | 1 | 2 |   | 1 | 3 | 3 | 2 | 4 | 3 | 3 | 1 | 2 |        |        |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 | 4 | 2 |        |        |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |        |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |        |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |        |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |        |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |        |

**HEMATOPOIETIC SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|--------|
| Bone Marrow<br>Hyperplasia                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50    | 43 2.3 |
| Necrosis                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       | 1 3.0  |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
| Lymph Node<br>Bronchial, Hyperplasia, Lymphoid | + |   |   |   |   | + |   |   |   |   | + | + |   |   |   | + |   | + |   |   |   |   | 11 | 3 2.0 |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked



Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>200 mg/kg                 | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |              |       |  |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|--------------|-------|--|
|   | 0729        | 0728 | 0728 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 |          | 0729 |      |      |              |       |  |
| ANIMAL ID                                       | 0076        | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096     | 0097 | 0098 | 0099 | 0100         |       |  |
| Inguinal, Hyperplasia, Lymphoid                 |             |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |          |      |      |      |              | 2 1.0 |  |
| Mediastinal, Hyperplasia, Lymphoid              |             |      |      |      |      |      |      |      |      |      | 1    |      |      |      |      | 2    |      |      |      |      |          |      |      |      |              | 2 1.5 |  |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50<br>15 1.3 |       |  |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50<br>5 2.2  |       |  |
| Spleen<br>Hematopoietic Cell Proliferation      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50<br>48 2.9 |       |  |
| Hyperplasia, Lymphoid                           | 2           | 2    | 1    | 2    |      |      | 2    |      | 1    | 3    | 1    |      |      |      | 2    | 2    |      | 1    |      | 2    | 1        | 3    | 2    | 1    | 33 1.9       |       |  |
| Mineralization                                  |             |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |          |      |      |      | 1 2.0        |       |  |
| Thymus<br>Hyperplasia, Lymphoid                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 49<br>16 1.9 |       |  |
| <b>INTEGUMENTARY SYSTEM</b>                     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |              |       |  |
| Mammary Gland                                   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50           |       |  |
| Skin  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50           |       |  |
| <b>MUSCULOSKELETAL SYSTEM</b>                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |              |       |  |
| Bone<br>Fracture                                | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | +    | +    | +    | 50<br>2 3.0  |       |  |
| Osteoporosis                                    | 1           | 2    |      |      |      |      | 2    |      |      | 1    |      |      |      | 2    | 2    |      |      | 2    |      |      | 1        |      | 1    | 2    | 16 1.6       |       |  |
| Synovial Tissue, Inflammation                   |             |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1 2.0        |       |  |
| Skeletal Muscle                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      | 1            |       |  |

\* .. 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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Experiment Number: 99031 - 04

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 02/27/2012

Test Type: CHRONIC

Ginkgo biloba extract

Time Report Requested: 10:34:36

Route: GAVAGE

CAS Number: 90045-36-6

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

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  | * TOTALS |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------|
|                    | 0729        | 0728 | 0728 | 0729 | 0706 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0704 | 0707 | 0707 | 0707 | 0707 | 0707 | 0707 | 0704 | 0707 | 0707 | 0707 | 0707 |  |          |
| 200 mg/kg          | 0076        | 0077 | 0078 | 0079 | 0070 | 0071 | 0072 | 0073 | 0074 | 0075 | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 |  |          |
| ANIMAL ID          | 276         | 277  | 278  | 279  | 270  | 271  | 272  | 273  | 274  | 275  | 276  | 277  | 278  | 279  | 280  | 281  | 282  | 283  | 284  | 285  | 286  | 287  | 288  |  |          |

NERVOUS SYSTEM

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |       |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|-------|
| Brain            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +     | 50    |
| Gliosis          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 1.0 |       |
| Hemorrhage       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1 3.0 |
| Peripheral Nerve |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1     |
| Spinal Cord      |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       | 1     |

RESPIRATORY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Hemorrhage  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.5  |
| Infiltration Cellular, Histiocyte                   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 2.3  |
| Inflammation  |   | 3 | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 5 2.0  |
| Mineralization                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 1.0  |
| Alveolar Epithelium, Hyperplasia                    |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Bronchiole, Hyperplasia                             |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Inflammation  |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 1 | 1 |   | 1 |   | 1 |   | 5 1.0  |
| Glands, Metaplasia                                  |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   | 1 |   |   |   |   |   | 4 1.0  |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 2 |   |   |   |   |   |   |   | 3 1.7  |
| Olfactory Epithelium, Pigmentation                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 1.0  |
| Respiratory Epithelium, Hyperplasia                 |   |   | 1 |   |   |   |   |   | 1 |   | 1 |   |   |   | 1 | 1 | 1 |   |   | 1 | 1 |   | 1 | 15 1.0 |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |

\* .. 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 - 04

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 02/27/2012

Test Type: CHRONIC

Ginkgo biloba extract

Time Report Requested: 10:34:36

Route: GAVAGE

CAS Number: 90045-36-6

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

Species/Strain: MICE/B6C3F1

Lab: BAT

|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| <b>B6C3F1 MICE FEMALE</b><br><b>200 mg/kg</b> | DAY ON TEST | 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 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7               |   |
|   |             | 2 | 2 | 2 | 2 | 9 | 0 | 2 | 0 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 8 | 2 | 2 | 2               | 2 |
| ANIMAL ID                                     | 9           | 8 | 8 | 9 | 6 | 4 | 7 | 4 | 9 | 8 | 8 | 7 | 9 | 7 | 7 | 9 | 8 | 8 | 7 | 8 | 8 | 7 | 8 | 7               |   |
|   | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |   |
|   | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3               |   |
|   | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0               |   |
|   | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9               |   |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |

**SPECIAL SENSES SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Eye                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Cataract             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 4.0 |
| Phthisis Bulbi       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1     |
| Cornea, Inflammation |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |
| Harderian Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |       |
| Hyperplasia          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0 |

**URINARY SYSTEM**

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |        |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|
| Kidney                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |        |
| Dilatation                      |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |    | 1 3.0  |
| Metaplasia, Osseous             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0  |
| Mineralization                  |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |    | 8 1.4  |
| Nephropathy                     |   | 1 |   |   |   | 1 | 1 |   |   |   | 1 | 1 | 4 |   | 1 |   | 1 |   | 1 | 1 | 1 |   |   | 2  | 17 1.3 |
| Urinary Bladder                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |        |
| Infiltration Cellular, Lymphoid | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 1.5  |

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

|                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                      |    |
|--------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------------|----|
| B6C3F1 MICE FEMALE | DAY ON TEST | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07                   |    |
|                    |             | 29 | 27 | 28 | 27 | 27 | 22 | 22 | 29 | 22 | 22 | 29 | 28 | 28 | 28 | 29 | 29 | 27 | 27 | 27 | 27 | 28 | 25 | 27                   | 27 |
| 600 mg/kg          | ANIMAL ID   | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00                   | 00 |
|                    |             | 30 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33                   | 33 |
|                    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | females<br>(cont...) |    |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus Inflammation                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 3 |
| Gallbladder                                    | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum Inflammation            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus                               | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |
| Clear Cell Focus                               |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus                             | X | X | X |   | X | X | X | X | X | X |   |   | X | X | X | X | X |   | X | X | X | X |   | X | X | X |
| Erythrophagocytosis                            | 1 |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Fatty Change, Focal                            |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation               | 1 |   |   |   |   |   |   | 1 |   |   | 1 |   |   | 3 |   |   |   |   |   |   |   | 1 | 1 | 1 |   |   |
| Hypertrophy                                    | 1 | 1 | 1 |   | 3 | 1 | 3 | 1 | 3 | 3 | 2 |   | 1 |   | 3 | 3 | 1 |   |   | 2 |   | 1 | 1 | 3 | 4 |   |
| Inflammation                                   | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 | 3 | 2 | 2 | 1 |   | 1 | 1 | 1 | 1 | 2 | 1 | 1 |   |
| Mixed Cell Focus                               |   | X | X | X | X |   | X | X |   |   |   | X | X |   | X |   |   | X | X |   |   | X | X |   | X |   |

\* .. 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

| B6C3F1 MICE FEMALE<br>600 mg/kg              | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |   |   |   |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|---|---|---|
|  | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>1 | 0<br>7<br>2<br>2 | 0<br>7<br>2<br>2 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>7 | 0<br>5<br>5<br>7 |           |                      | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>9 |   |   |   |
| Necrosis                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  | 1         | 2                    |                  |                  |                  |                  |   |   |   |
| Tension Lipidosis                            | X                | X                |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |           |                      |                  | X                |                  |                  |   |   |   |
| Vacuolization Cytoplasmic Bile Duct, Cyst    | 3                | 4                | 3                | 3                | 3                | 4                | 3                | 3                | 3                | 2                | 1                | 1                | 3                |                  |                  |                  | 3                | 3                | 1                |                  |           | 1                    | 1                | 3                | 4                | 4                | 3 |   |   |
| Mesentery                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Inflammation                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Fat, Necrosis                                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Pancreas                                     | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + | + |   |
| Atrophy                                      |                  |                  |                  | 3                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  | 4                |                  |                  |   |   |   |
| Infiltration Cellular, Lymphoid Inflammation |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Acinus, Hyperplasia                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Duct, Cyst                                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Salivary Glands                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + | + |   |
| Infiltration Cellular, Lymphoid              |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Stomach, Forestomach                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + | + | + |
| Inflammation                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Epithelium, Hyperkeratosis                   |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Epithelium, Hyperplasia                      |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Epithelium, Ulcer                            |                  |                  |                  | 3                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Stomach, Glandular                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + | + | + |
| Cyst   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Inflammation                                 | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Epithelium, Hyperplasia                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |   |   |   |
| Tooth  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                | + | + | + |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|                           |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 0 | 2 | 2 | 2 | 5 | 2 | 2 | 2 |   |
|                           |             | 9 | 7 | 8 | 7 | 7 | 7 | 9 | 7 | 9 | 8 | 7 | 8 | 8 | 9 | 9 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 9 | 9 |   |
| <b>600 mg/kg</b>          | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |   |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |   |   |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| Dysplasia                 |             | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females (cont...)

**CARDIOVASCULAR SYSTEM**

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy           | 1 | 1 |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   | 1 |   |   |   |   |   |   |   |   |
| Mineralization           |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 2 |   |   |   |   |   |   |
| Epicardium, Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphoid  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |
| Subcapsular, Hyperplasia         | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 |   | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| Adrenal Medulla                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Islets, Pancreatic               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Atrophy                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia                      |   |   |   | 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Parathyroid Gland                | + | + | + | + | M | + | + | + | + | + | + | M | M | + | + | + | + | M | + | + | + | + | + | + |   |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lymphoid  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |
| Pituitary Gland                  | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Pars Distalis, Hyperplasia       | 2 | 1 |   | 1 | 2 | 1 |   |   |   |   | 1 |   | 1 |   |   |   |   | 1 |   |   |   |   |   | 1 |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically      M .. Missing tissue      1-4 .. Lesion qualified as:  
X .. Lesion present      A .. Autolysis precludes evaluation      1) Minimal 3) Moderate  
I .. Insufficient tissue      BLANK .. Not examined microscopically      2) Mild 4) Marked

Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                      |
|--------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------------------|
|                    | 07          | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |                      |
| <b>600 mg/kg</b>   | 29          | 27 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |                      |
|                    | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |                      |
|                    | 33          | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |                      |
|                    | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 02 | 02 |                      |
|                    | 12          | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | females<br>(cont...) |

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland                 | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Ultimobranhial Cyst           |   |   |   |   | X | X | X | X | X |   |   |   |   |   |   |   |   |   | X |   |   |   |
| C-cell, Hyperplasia           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |
| Follicle, Cyst                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicle, Hyperplasia         | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicular Cell, Degeneration |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Follicular Cell, Hypertrophy  | 1 | 1 |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ovary                            | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Cyst                             | 4 | 1 |   | 1 |   | 2 |   | 2 |   | 1 | 2 | 4 |   |   |   |   |   |   | 1 |   |   |   |
| Mineralization                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thrombosis                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Germinal Epithelium, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |
| Inflammation                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |
| Artery, Dysplasia                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Endometrium, Hyperplasia, Cystic |   |   | 3 |   | 1 | 2 |   |   |   | 1 | 1 | 2 | 1 | 3 |   | 2 |   | 4 |   | 1 | 2 | 4 |

\* .. 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 - 04

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 02/27/2012

Test Type: CHRONIC

Ginkgo biloba extract

Time Report Requested: 10:34:36

Route: GAVAGE

CAS Number: 90045-36-6

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

Species/Strain: MICE/B6C3F1

Lab: BAT

|   |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                              |                       |                       |
|---|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------------|-----------------------|-----------------------|
| <b>B6C3F1 MICE FEMALE</b><br><b>600 mg/kg</b> | DAY ON TEST | 0<br>7<br>2<br>9      | 0<br>7<br>7<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>1<br>8      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>0<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>5<br>5<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>9      | <b>females<br/>(cont...)</b> |                       |                       |
|   | ANIMAL ID   | 0<br>0<br>3<br>0<br>1 | 0<br>0<br>3<br>0<br>2 | 0<br>0<br>3<br>0<br>3 | 0<br>0<br>3<br>0<br>4 | 0<br>0<br>3<br>0<br>5 | 0<br>0<br>3<br>0<br>6 | 0<br>0<br>3<br>0<br>7 | 0<br>0<br>3<br>0<br>8 | 0<br>0<br>3<br>0<br>9 | 0<br>0<br>3<br>1<br>0 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>1<br>1 | 0<br>0<br>3<br>2<br>1 | 0<br>0<br>3<br>2<br>2 | 0<br>0<br>3<br>2<br>2 | 0<br>0<br>3<br>2<br>3 |                              | 0<br>0<br>3<br>2<br>4 | 0<br>0<br>3<br>2<br>5 |
|   |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                              |                       |                       |
|   |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                              |                       |                       |
|   |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                              |                       |                       |

HEMATOPOIETIC SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hyperplasia                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   | 1 | 2 |   | 1 | 1 | 1 |   | 1 | 1 | 1 | 3 | 3 |   | 4 | 3 | 1 | 3 | 3 | 1 |   | 3 | 3 | 2 | 2 |   |   |
| Lymph Node<br>Bronchial, Hyperplasia, Lymphoid  |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   | + |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node<br>Inguinal, Hyperplasia, Lymphoid   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node<br>Pancreatic, Hyperplasia, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node<br>Renal, Ectasia                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node<br>Renal, Hemorrhage, Chronic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node<br>Renal, Sinus, Ectasia             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular<br>Angiectasis           | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node<br>Hyperplasia, Lymphoid             |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 3 |   | 2 |   |   |   |   |   | 1 |   |   |   |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node<br>Inflammation                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spleen<br>Hematopoietic Cell Proliferation      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 4 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 3 | 3 | 2 |
| Spleen<br>Hyperplasia, Lymphoid                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   | 1 |   |   | 1 | 1 |   |   |   |   | 1 |   |   |   | 1 |   |   |   |   | 2 |   |   | 2 |   | 1 | 2 |   |
| Spleen<br>Necrosis                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spleen<br>Lymphoid Follicle, Atrophy            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thymus<br>Hyperplasia, Lymphoid                 | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thymus<br>Inflammation                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 |
| <b>600 mg/kg</b>          | 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 |
|                           |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                           |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |   |   |
| <b>females (cont...)</b>  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**INTEGUMENTARY SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                            |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Skin Dermis, Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                            |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**MUSCULOSKELETAL SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Osteopetrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bone Osteoporosis  | 1 | 2 |   |   | 1 |   | 1 |   | 2 |   | 1 | 1 |   | 1 |   |   |   |   | 1 | 1 |   |   |   |   | 2 | 2 |   |

**NERVOUS SYSTEM**

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain            | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Peripheral Nerve |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Spinal Cord      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung Cyst Infiltration Cellular, Histiocyte Inflammation Pleura, Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>600 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 | 0 | 0 | 0 | ANIMAL ID | females<br>(cont...) |   |  |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|--|
|                                 | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |                      |   |  |
|                                 | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 5 | 7 | 7         | 7                    |   |  |
|                                 | 9           | 7 | 8 | 7 | 7 | 7 | 9 | 7 | 9 | 8 | 7 | 8 | 8 | 8 | 9 | 9 | 7 | 7 | 7 | 7 | 8 | 7 | 7 | 7 | 7         |                      |   |  |
|                                 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3         |                      |   |  |
|                                 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2         |                      |   |  |
|                                 | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5         |                      |   |  |
| Pigmentation                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      | 2 |  |
| Urinary Bladder                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |
| Infiltration Cellular, Lymphoid |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |
| Inflammation                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |

\* .. 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:  
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Experiment Number: 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                           |                  |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|------------------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | <b>600 mg/kg</b> | DAY ON TEST     | 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 |   |   |
|                           |                  | 7               | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|                           |                  | 2               | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                           | ANIMAL ID        | 8               | 9 | 9 | 7 | 9 | 7 | 7 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|                           |                  | 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 | 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 | 0 | 0 | 0 | 0 |
|                           |                  | 3               | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                           |                  | 2               | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
|                           |                  | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|                           |                  | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |    |    |     |     |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|----|----|-----|-----|--|
| Esophagus<br>Inflammation                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 3.0 |    |    |     |     |  |
| Gallbladder                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | 48  |    |    |     |     |  |
| Intestine Large, Cecum<br>Inflammation            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | 50 | 1  | 2.0 |     |  |
| Intestine Large, Colon                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | 50 |    |     |     |  |
| Intestine Large, Rectum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | 50 |    |     |     |  |
| Intestine Small, Duodenum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | 50 |    |     |     |  |
| Intestine Small, Ileum                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | +  | 50 |     |     |  |
| Intestine Small, Jejunum<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | +  | 50 | 1   | 3.0 |  |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | + | +   | 50 |    |     |     |  |
| Basophilic Focus                                  |   |   |   |   |   |   | X |   |   |   |   | X |   |   | X | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     | 9  |    |     |     |  |
| Clear Cell Focus                                  |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |    | 2  |     |     |  |
| Eosinophilic Focus                                | X | X | X | X | X |   | X | X | X | X |   | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X  | X | X   | X  | 43 |     |     |  |
| Erythrophagocytosis                               |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |    | 7  | 1.0 |     |  |
| Fatty Change, Focal                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |    | 2  |     |     |  |
| Hematopoietic Cell Proliferation                  |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |    | 9  | 1.3 |     |  |
| Hypertrophy                                       |   |   | 1 | 3 | 2 |   | 1 | 4 | 3 | 2 | 3 |   | 1 | 3 | 2 |   | 2 |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |    | 37 | 2.1 |     |  |
| Inflammation                                      | 2 | 2 | 1 | 2 |   | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |    |    | 46  | 1.3 |  |
| Mixed Cell Focus                                  |   |   | X | X |   | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X  | X | X   | X  | 31 |     |     |  |

\* .. 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

2) Mild 4) Marked

Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>600 mg/kg              | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |     |     |     |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-----|-----|-----|
|  | 0728        | 0729  | 0730  | 0731  | 0732  | 0733  | 0734  | 0735  | 0736  | 0737  | 0738  | 0739  | 0740  | 0741  | 0742  | 0743  | 0744  | 0745  | 0746  | 0747  |          | 0748  | 0749  | 0750  |       |     |     |     |
| ANIMAL ID                                    | 00326       | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346    | 00347 | 00348 | 00349 | 00350 |     |     |     |
| Necrosis                                     |             |       |       |       | 2     |       |       |       |       |       |       |       |       |       |       | 1     |       |       |       |       |          |       |       | 1     | 6     | 1.5 |     |     |
| Tension Lipidosis                            |             |       |       |       |       |       |       |       | X     |       |       |       |       |       |       | X     | X     |       |       |       | X        |       |       |       | 10    |     |     |     |
| Vacuolization Cytoplasmic Bile Duct, Cyst    |             | 2     | 3     | 4     |       | 1     | 3     | 4     | 4     | 1     | 3     | 1     | 2     | 3     | 3     | 2     | 2     | 1     | 3     | 3     |          | 2     | 2     | 3     | 3     | 44  | 2.6 |     |
| Mesentery                                    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 3   |     |     |
| Inflammation Fat, Necrosis                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1   | 3.0 |     |
|  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 3   | 3.3 |     |
| Pancreas                                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 50  |     |     |
| Atrophy                                      |             |       |       |       | 2     |       |       |       | 3     |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 4   | 3.0 |     |
| Infiltration Cellular, Lymphoid Inflammation |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1   | 1.0 |     |
| Acinus, Hyperplasia                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1   | 2.0 |     |
| Duct, Cyst                                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 3   | 3.0 |     |
| Salivary Glands                              | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 49  |     |     |
| Infiltration Cellular, Lymphoid              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1   | 2   | 1.0 |
| Stomach, Forestomach                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 50  |     |     |
| Inflammation                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 2   | 5   | 1.8 |
| Epithelium, Hyperkeratosis                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 2   | 5   | 1.8 |
| Epithelium, Hyperplasia                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 3   | 11  | 2.0 |
| Epithelium, Ulcer                            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 2   | 1   | 2.0 |
| Stomach, Glandular                           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 50  |     |     |
| Cyst   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |     | 2   | 2.0 |
| Inflammation                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |     | 1   | 1.0 |
| Epithelium, Hyperplasia                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       |     | 1   | 1.0 |
| Tooth  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 50  |     |     |

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Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>600 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 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                                 | ANIMAL ID   | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |          |
|                                 |             | 2 | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |          |
|                                 |             | 8 | 9 | 9 | 7 | 9 | 7 | 8 | 7 | 8 | 9 | 8 | 9 | 9 | 8 | 7 | 9 | 7 | 7 | 4 | 8 | 9 | 9 | 7 | 9 | 9 | 9 |          |
|                                 |             | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |
|                                 |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |          |
|                                 |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |          |

Dysplasia X 3

CARDIOVASCULAR SYSTEM

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Blood Vessel             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Heart                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Cardiomyopathy           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 5 1.0 |
| Mineralization           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 3 1.3 |
| Epicardium, Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0 |

ENDOCRINE SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |       |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
| Adrenal Cortex                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +      | 50    |
| Hematopoietic Cell Proliferation |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |        | 3 2.7 |
| Infiltration Cellular, Lymphoid  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        | 1 2.0 |
| Subcapsular, Hyperplasia         | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 49 1.5 |       |
| Adrenal Medulla                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |       |
| Islets, Pancreatic               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |       |
| Atrophy                          |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0  |       |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   | 1 |   |   |   |   |   | 1 |   | 1 | 11 1.2 |       |
| Parathyroid Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45     |       |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |       |
| Infiltration Cellular, Lymphoid  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.0  |       |
| Pituitary Gland                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49     |       |
| Pars Distalis, Hyperplasia       | 1 |   | 2 | 1 |   |   |   | 1 | 1 | 2 |   |   |   | 1 |   |   |   |   |   |   |   | 2 |   |   | 2 | 22 1.3 |       |

\* .. 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

| B6C3F1 MICE FEMALE<br>600 mg/kg  | DAY ON TEST    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | * TOTALS             |                      |                      |       |
|----------------------------------|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------|
|                                  | 07<br>28       | 07<br>29             | 07<br>29             | 07<br>29             | 07<br>29             | 05<br>28             | 07<br>27             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             | 07<br>28             |                      | 07<br>28             |                      |       |
| ANIMAL ID                        | 00<br>32<br>66 | 00<br>33<br>22<br>67 | 00<br>33<br>22<br>68 | 00<br>33<br>22<br>69 | 00<br>33<br>23<br>60 | 00<br>33<br>23<br>61 | 00<br>33<br>23<br>62 | 00<br>33<br>23<br>63 | 00<br>33<br>23<br>64 | 00<br>33<br>23<br>65 | 00<br>33<br>23<br>66 | 00<br>33<br>23<br>67 | 00<br>33<br>23<br>68 | 00<br>33<br>23<br>69 | 00<br>33<br>23<br>70 | 00<br>33<br>23<br>71 | 00<br>33<br>23<br>72 | 00<br>33<br>23<br>73 | 00<br>33<br>23<br>74 | 00<br>33<br>23<br>75 | 00<br>33<br>23<br>76 | 00<br>33<br>23<br>77 | 00<br>33<br>23<br>78 | 00<br>33<br>23<br>79 | 00<br>33<br>23<br>80 |       |
|                                  | Thyroid Gland  | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 49    |
| Ultimobranhial Cyst              |                |                      |                      |                      |                      |                      |                      |                      |                      |                      | X                    | X                    |                      |                      |                      |                      |                      |                      | X                    |                      |                      |                      |                      |                      | 9                    |       |
| C-cell, Hyperplasia              |                |                      |                      |                      |                      |                      |                      | 1                    |                      |                      | 1                    |                      |                      |                      |                      |                      | 1                    |                      |                      |                      |                      | 1                    |                      |                      | 5 1.0                |       |
| Follicle, Cyst                   |                |                      |                      |                      | X                    |                      |                      |                      |                      |                      |                      | X                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 2                    |       |
| Follicle, Hyperplasia            | 2              |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1                    |                      |                      |                      |                      |                      |                      |                      |                      |                      | 2                    |                      | 4 1.8                |       |
| Follicular Cell, Degeneration    |                |                      |                      | 1                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1 1.0                |       |
| Follicular Cell, Hypertrophy     | 1              |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1                    |                      |                      |                      |                      |                      |                      |                      |                      | 1                    | 1                    |                      | 9 1.0                |       |
| <b>GENERAL BODY SYSTEM</b>       |                |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |
| NONE                             |                |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |
| <b>GENITAL SYSTEM</b>            |                |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |       |
| Clitoral Gland                   | +              | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50                   |       |
| Inflammation                     |                | 1                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1 1.0 |
| Ovary                            | +              | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 49                   |       |
| Cyst                             |                | 2                    |                      |                      | 4                    |                      |                      |                      |                      |                      | 3                    |                      |                      | 1                    | 1                    | 1                    | 1                    |                      |                      |                      | 1                    |                      |                      |                      | 17 1.9               |       |
| Mineralization                   |                |                      |                      | 1                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1 1.0                |       |
| Thrombosis                       |                |                      |                      |                      | 4                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1 4.0                |       |
| Germinal Epithelium, Hyperplasia |                |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1 1.0                |       |
| Uterus                           | +              | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | +                    | 50                   |       |
| Angiectasis                      |                |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 4                    |                      | 1 4.0                |       |
| Hemorrhage                       |                |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1 4.0                |       |
| Inflammation                     |                |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 2                    |                      |                      |                      |                      |                      |                      | 2                    |                      |                      |                      |                      | 3 2.3                |       |
| Artery, Dysplasia                |                |                      |                      |                      |                      | 4                    |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      |                      | 1 4.0                |       |
| Endometrium, Hyperplasia, Cystic | 2              |                      | 1                    | 1                    | 1                    | 3                    | 1                    | 4                    |                      | 2                    | 1                    | 3                    |                      | 4                    | 2                    | 3                    | 1                    | 1                    | 2                    |                      | 2                    |                      | 3                    | 3                    | 35 2.1               |       |

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE FEMALE | 600 mg/kg | DAY ON TEST |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | * TOTALS |          |  |
|--------------------|-----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
|                    |           | 07<br>28    | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 | 07<br>29 |          | 07<br>29 |  |
|                    |           | 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        | 0        | 0        | 0        | 0        | 0        |  |
|                    |           | 3           | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        |  |
|                    |           | 2           | 2        | 2        | 2        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 3        | 4        | 4        | 4        | 4        | 4        | 4        | 4        | 5        |  |
|                    |           | 6           | 7        | 8        | 9        | 0        | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8        | 9        | 0        | 1        | 2        | 3        | 4        | 5        | 6        | 0        |  |

**INTEGUMENTARY SYSTEM**

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Mammary Gland<br>Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 |
| Skin<br>Dermis, Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 4.0 |

**MUSCULOSKELETAL SYSTEM**

|                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Bone<br>Osteopetrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1  | 3.0 |
| Osteoporosis          |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 1 | 2 | 1 |   |   |   |   | 3 |   |    | 17 | 1.4 |

**NERVOUS SYSTEM**

|                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |  |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|--|
| Brain            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |   |  |
| Peripheral Nerve |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |  |
| Spinal Cord      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 |  |

**RESPIRATORY SYSTEM**

|                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Lung<br>Cyst                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 |
| Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2 | 2.5 |
| Inflammation                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 | 2.0 |
| Pleura, Inflammation              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 | 2.0 |
| Nose                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>600 mg/kg                     | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |       |       |       |    |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|----|
|   | 078         | 079   | 079   | 077   | 077   | 075   | 077   | 077   | 077   | 076   | 077   | 077   | 077   | 077   | 077   | 077   | 077   | 077   | 074   | 077   |          | 077   | 077   |       |       |    |
| ANIMAL ID   | 00326       | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | 00348 | 00349 | 00350 | 00351 | 00352 | 00353 | 00354 | 00355 | 00356    | 00357 | 00358 | 00359 | 00360 |    |
| Inflammation  | 1           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 4  |
| Glands, Metaplasia                                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 5  |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |             | 1     |       | 1     |       | 1     |       |       |       |       |       |       | 1     |       |       | 1     |       |       |       | 1     |          |       |       |       |       | 12 |
| Olfactory Epithelium, Atrophy                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 1  |
| Olfactory Epithelium, Pigmentation                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |       |       |       | 6  |
| Respiratory Epithelium, Hyperplasia                 | 1           | 1     |       |       | 1     |       |       |       |       |       |       |       |       |       |       | 1     |       |       | 1     |       | 1        |       |       | 1     | 1     | 18 |
| Trachea   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | +     | +     | +     | 50 |

SPECIAL SENSES SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Cataract             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Cornea, Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Harderian Gland      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Fibrosis             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Hyperplasia          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Inflammation         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

URINARY SYSTEM

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Accumulation, Hyaline Droplet |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Cyst                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Infarct                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Inflammation                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Metaplasia, Osseous           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Mineralization                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
| Nephropathy                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 15 |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

|                           |                                 | DAY ON TEST     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * 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 |          |
| <b>B6C3F1 MICE FEMALE</b> | <b>600 mg/kg</b>                | 7               | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |          |
|                           |                                 | 2               | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |          |
|                           |                                 | 8               | 9 | 9 | 7 | 9 | 7 | 7 | 8 | 9 | 8 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 7 | 7 | 7 | 7 | 4 | 7 | 7 |          |
|                           |                                 | 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 |   |          |
|                           |                                 | 3               | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |          |
|                           |                                 | 2               | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |   |          |
|                           |                                 | 6               | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |   |   |          |
|                           |                                 | <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
|                           | Pigmentation                    |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 2.0    |
|                           | Urinary Bladder                 | +               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 50       |
|                           | Infiltration Cellular, Lymphoid |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.0    |
|                           | Inflammation                    |                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1 2.0  |

\* .. 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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|                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 07    | 07    | 07    | 07    | 07    | 07    | 05    | 06    | 07    | 06    | 07    | 07    | 07    | 07    | 06    | 06    | 07    | 04    | 07    | 06    | 07    | 06    | 07    | 06    | 07    | 06    | 07    | 06    |
|                           | ANIMAL ID   | 00351 | 00352 | 00353 | 00354 | 00355 | 00356 | 00357 | 00358 | 00359 | 00360 | 00361 | 00362 | 00363 | 00364 | 00365 | 00366 | 00367 | 00368 | 00369 | 00370 | 00371 | 00372 | 00373 | 00374 | 00375 | 00376 | 00377 | 00378 |

females (cont...)

ALIMENTARY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon<br>Inflammation          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus                                |   |   |   |   |   |   |   | X | X |   | X |   |   |   |   |   |   | X | X |   | X |   |   |   |   |   |   |   |   |
| Clear Cell Focus                                |   |   |   |   |   |   |   | X |   |   |   |   | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus                              | X | X | X | X | X | X | X | X | X |   | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Erythrophagocytosis                             | 1 |   | 1 |   | 1 | 1 |   |   |   | 1 | 1 |   |   | 1 |   |   |   |   | 1 |   |   |   | 1 |   |   | 1 |   |   | 1 |
| Fatty Change, Focal                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Hypertrophy                                     | 3 |   | 4 | 2 | 4 | 3 | 2 | 3 | 4 |   | 3 | 4 | 2 | 3 | 3 |   | 3 | 4 | 2 |   |   |   | 2 | 4 | 4 |   |   |   |   |
| Inflammation                                    | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 |   | 2 | 2 | 1 | 1 |   | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |   |   |   |   |
| Mineralization                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mixed Cell Focus                                | X |   | X | X | X | X |   | X |   | X |   | X | X | X |   | X | X | X |   | X | X |   | X | X |   |   |   |   |   |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |                  |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|------------------|
|                                  | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>9 | 0<br>5<br>2<br>3 | 0<br>6<br>9<br>4 | 0<br>7<br>2<br>8 | 0<br>6<br>1<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>6<br>2<br>3 | 0<br>6<br>9<br>8 | 0<br>7<br>2<br>9 | 0<br>4<br>2<br>8 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>8 | 0<br>6<br>9<br>9 |           |                      | 0<br>7<br>2<br>7 | 0<br>6<br>7<br>2 | 0<br>7<br>2<br>9 | 0<br>6<br>7<br>9 | 0<br>7<br>2<br>5 |
| Necrosis                         | 2                |                  |                  |                  |                  |                  | 3                | 1                | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 3                |           |                      |                  |                  |                  |                  | 2                |
| Tension Lipidosis                |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Vacuolization Cytoplasmic        | 3                | 1                | 4                | 3                | 1                | 2                | 1                | 2                | 3                |                  | 2                | 4                |                  | 3                | 1                |                  |                  | 1                | 4                | 1                |           | 3                    | 1                | 3                |                  |                  |                  |
| Mesentery                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  | +                |
| Inflammation                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Fat, Necrosis                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Pancreas                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Atrophy                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Inflammation                     |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Duct, Cyst                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Salivary Glands                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Infiltration Cellular, Lymphoid  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Stomach, Forestomach             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Inflammation                     |                  | 2                | 3                |                  |                  |                  |                  |                  |                  |                  | 3                | 2                | 1                | 2                | 2                |                  | 2                | 2                |                  | 2                | 2         |                      |                  |                  |                  | 3                |                  |
| Epithelium, Hyperkeratosis       |                  | 4                | 3                |                  |                  |                  | 3                |                  |                  | 3                | 2                | 2                | 3                |                  | 4                | 3                |                  |                  | 2                | 4                |           |                      |                  |                  |                  | 3                |                  |
| Epithelium, Hyperplasia          |                  | 4                | 4                |                  |                  |                  |                  |                  |                  | 3                | 3                | 2                | 3                | 3                |                  | 3                | 4                |                  |                  | 3                | 3         |                      |                  |                  |                  | 4                |                  |
| Epithelium, Ulcer                |                  | 2                |                  |                  |                  |                  |                  |                  |                  | 3                |                  |                  |                  |                  |                  |                  |                  |                  |                  | 3                |           |                      |                  |                  |                  | 3                |                  |
| Stomach, Glandular               | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |
| Cyst                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Inflammation                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Epithelium, Hyperplasia          |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |                  |
| Tooth                            | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                | +                |                  |

CARDIOVASCULAR 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 mg/kg   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
|  | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>8 | 0<br>5<br>9<br>3 | 0<br>6<br>4<br>4 | 0<br>7<br>2<br>8 | 0<br>6<br>1<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>6<br>2<br>3 | 0<br>6<br>9<br>8 | 0<br>7<br>2<br>9 | 0<br>4<br>9<br>8 | 0<br>7<br>2<br>8 | 0<br>6<br>9<br>9 | 0<br>7<br>2<br>7 | 0<br>6<br>2<br>2 | 0<br>7<br>2<br>9 | 0<br>6<br>7<br>5 |           |                      |
| Blood Vessel   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                      |
| Heart<br>Cardiomyopathy  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         |                      |
| <b>ENDOCRINE SYSTEM</b>  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Adrenal Cortex   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |
| Hematopoietic Cell Proliferation<br>Infiltration Cellular, Lymphoid<br>Subcapsular, Hyperplasia                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                | 1                |           |                      |
| Adrenal Medulla<br>Hypertrophy   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |
| Hypertrophy  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Islets, Pancreatic<br>Hyperplasia  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |
| Hyperplasia  |                  | 1                | 1                |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Parathyroid Gland  | +                | M                | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                | M                | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                |           |                      |
| Pituitary Gland<br>Pars Distalis, Hyperplasia  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |
| Pars Distalis, Hyperplasia   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                | 2                |           |                      |
| Thyroid Gland<br>Ultimobranchial Cyst<br>C-cell, Hyperplasia<br>Follicle, Cyst<br>Follicular Cell, Hypertrophy | +                | +                | +                | +                | +                | I                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |
| Ultimobranchial Cyst   |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| C-cell, Hyperplasia  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Follicle, Cyst   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Follicular Cell, Hypertrophy   | 1                | 1                |                  |                  | 1                |                  | 1                |                  | 1                |                  | 1                |                  | 1                | 1                | 1                | 1                |                  | 1                | 1                | 1                | 1                |                  |                  | 1                |           |                      |

GENERAL BODY 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

|                           |                   | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
|---------------------------|-------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | <b>2000 mg/kg</b> | 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 | 5 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 4 | 7 | 7 | 6 | 7 | 6 | 7 |   | 6                            |
|                           |                   | 2           | 2 | 2 | 2 | 2 | 2 | 9 | 4 | 2 | 1 | 2 | 2 | 2 | 2 | 9 | 9 | 2 | 9 | 2 | 9 | 2 | 9 | 2 | 7 |   | 2                            |
|                           |                   | 8           | 9 | 9 | 8 | 9 | 8 | 3 | 4 | 8 | 9 | 8 | 8 | 7 | 7 | 3 | 8 | 9 | 8 | 8 | 8 | 9 | 7 | 2 | 9 | 6 |                              |
|                           |                   | 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 | <b>females<br/>(cont...)</b> |
|                           |                   | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |                              |
|                           |                   | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |   |                              |
|                           |                   | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |                              |

NONE

**GENITAL SYSTEM**

Clitoral Gland

+ +

Ovary

+ +

  Angiectasis

  Cyst

                  3 4                              4          1                              1  2

Uterus

+ +

  Angiectasis

    1

  Dysplasia

    3

  Inflammation

  Endometrium, Hyperplasia, Cystic

1 1                  3                              3 1                  4 4 2 2  3 1 3 1                                  2 2 1 1

**HEMATOPOIETIC SYSTEM**

Bone Marrow

+ +

  Hyperplasia

2 2                  1          2                                  3  1 1 1 3 2 2                          3 3 1 2                          2

Lymph Node

  Bronchial, Hyperplasia, Lymphoid

+ +

  Inguinal, Hyperplasia, Lymphoid

2

  Mediastinal, Hyperplasia, Lymphoid

Lymph Node, Bronchial

Lymph Node, Mandibular

  Hyperplasia, Lymphoid

+ +

2                  2  1  1

\* .. 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 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

Date Report Requested: 02/27/2012  
 Time Report Requested: 10:34:36  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID             | females<br>(cont...) |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|----------------------|
|                                  | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>8 | 0<br>5<br>9<br>3 | 0<br>6<br>4<br>4 | 0<br>7<br>2<br>8 | 0<br>6<br>1<br>9 | 0<br>7<br>2<br>8 | 0<br>7<br>2<br>7 | 0<br>7<br>2<br>7 | 0<br>6<br>2<br>3 | 0<br>6<br>9<br>8 | 0<br>7<br>2<br>9 | 0<br>4<br>9<br>8 | 0<br>7<br>2<br>8 | 0<br>6<br>9<br>8 | 0<br>7<br>2<br>7 | 0<br>6<br>9<br>2 | 0<br>7<br>2<br>7 | 0<br>6<br>7<br>9 |                       |                      |
|                                  | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0<br>0<br>3<br>5<br>1 |                      |

Metaplasia, Osseous 1  
 Vacuolization Cytoplasmic  
 Arteriole, Hyperplasia 2 2  
 Smooth Muscle, Proliferation

Nose +  
 Inflammation 1 1 3 1 3  
 Glands, Metaplasia 1 1  
 Olfactory Epithelium, Accumulation, Hyaline Droplet 3 2 1 2 1 1 2 2  
 Olfactory Epithelium, Atrophy 2  
 Olfactory Epithelium, Pigmentation 1 1  
 Respiratory Epithelium, Hyperplasia 1 1 1 1 1 1 1 1

Trachea +

**SPECIAL SENSES SYSTEM**

Eye +  
 Anterior Chamber, Inflammation  
 Cornea, Inflammation

Harderian Gland +  
 Hyperplasia 2  
 Infiltration Cellular, Lymphoid 1  
 Inflammation

**URINARY SYSTEM**

Kidney +  
 Cyst 1

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



| B6C3F1 MICE FEMALE | DAY ON TEST | 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 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7               | 7 |
| 2000 mg/kg         | ANIMAL ID   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2               | 2 |
|                    |             | 9 | 7 | 9 | 7 | 8 | 7 | 8 | 9 | 8 | 7 | 7 | 8 | 9 | 9 | 9 | 7 | 8 | 9 | 7 | 2 | 8               | 7 |
|                    |             | 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 | 0 | 0 | 0 | 0               | 0 |
|                    |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3               | 3 |
|                    |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9               | 9 |
|                    |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6               | 7 |
|                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                           |               |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------------------|---------------|
| Esophagus                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                 |               |
| Gallbladder                                     | + | + | M | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>48</b>                 |               |
| Intestine Large, Cecum<br>Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b><br><b>1 2.0</b> |               |
| Intestine Large, Colon<br>Inflammation          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b><br><b>1 1.0</b> |               |
| Intestine Large, Rectum                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                 |               |
| Intestine Small, Duodenum                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                 |               |
| Intestine Small, Ileum                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                 |               |
| Intestine Small, Jejunum                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                 |               |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>                 |               |
| Basophilic Focus                                |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   | X |   |   |   | <b>9</b>                  |               |
| Clear Cell Focus                                |   |   |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   | <b>6</b>                  |               |
| Eosinophilic Focus                              | X | X | X | X | X | X | X |   | X |   | X | X | X | X | X | X | X | X | X | X | X | X | <b>45</b>                 |               |
| Erythrophagocytosis                             |   |   |   | 1 |   | 1 |   |   | 1 |   |   |   |   |   |   | 1 | 1 |   |   | 1 |   |   | <b>16 1.0</b>             |               |
| Fatty Change, Focal                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   | X | <b>3</b>                  |               |
| Hematopoietic Cell Proliferation                |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   |   | 3 | <b>4 1.8</b>              |               |
| Hypertrophy                                     | 3 | 1 | 3 |   | 1 | 4 | 2 | 3 | 3 |   | 2 | 2 |   |   | 3 | 3 | 3 | 3 | 4 |   | 3 | 2 | 2                         | <b>37 2.9</b> |
| Inflammation                                    |   |   | 1 |   | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 |   | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 2                         | <b>41 1.5</b> |
| Mineralization                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | <b>1 1.0</b>              |               |
| Mixed Cell Focus                                | X |   |   |   |   | X | X | X | X |   | X |   | X | X | X | X | X | X | X | X | X | X | <b>31</b>                 |               |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 mg/kg | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |  |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|
|                                  | 0729        | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  |          |  |
| ANIMAL ID                        | 00376       | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396    |  |
| Necrosis                         | 1           |       |       |       |       |       |       |       | 4     |       | 2     |       |       |       |       |       |       | 1     | 1     |       |          |  |
| Tension Lipidosis                |             |       |       |       |       | X     |       |       |       |       |       |       |       |       |       | X     |       |       |       |       |          |  |
| Vacuolization Cytoplasmic        | 2           | 3     | 3     |       | 2     | 3     | 3     |       | 2     |       | 1     |       | 1     |       | 2     | 2     | 3     | 2     | 4     |       | 2        |  |
| Mesentery                        |             |       |       |       |       | +     |       |       |       |       |       |       | +     |       |       |       |       |       |       |       | +        |  |
| Inflammation                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3        |  |
| Fat, Necrosis                    |             |       |       |       |       | 4     |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 4        |  |
| Pancreas                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |  |
| Atrophy                          | 2           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
| Inflammation                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1        |  |
| Duct, Cyst                       | 4           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
| Salivary Glands                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |  |
| Infiltration Cellular, Lymphoid  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
| Stomach, Forestomach             | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |  |
| Inflammation                     | 3           |       |       |       |       |       |       |       |       |       | 4     | 4     |       |       | 4     |       | 3     |       |       | 3     | 3        |  |
| Epithelium, Hyperkeratosis       | 3           |       |       |       |       | 1     |       |       |       |       | 2     | 3     |       |       | 3     |       | 3     |       |       | 3     | 3        |  |
| Epithelium, Hyperplasia          | 4           |       |       |       |       | 2     |       |       |       |       | 3     | 4     |       |       | 3     |       | 4     |       |       | 4     | 4        |  |
| Epithelium, Ulcer                | 2           |       |       |       |       |       |       |       |       |       | 2     | 3     |       |       | 3     |       | 2     |       |       | 2     | 3        |  |
| Stomach, Glandular               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |  |
| Cyst                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |  |
| Inflammation                     |             |       |       |       |       |       |       |       |       |       | 2     | 2     |       |       | 1     |       |       |       |       |       |          |  |
| Epithelium, Hyperplasia          | 2           |       |       |       |       |       |       |       |       |       | 1     |       |       |       | 2     |       |       |       |       |       |          |  |
| Tooth                            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        |  |

CARDIOVASCULAR 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 mg/kg | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |        |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--------|
|                                  | 0729        | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  |          | 0729  |        |
| ANIMAL ID                        | 00376       | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396    | 00397 |        |
| Blood Vessel                     | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Heart                            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Cardiomyopathy                   |             |       |       | 1     |       |       |       | 1     |       | 1     |       | 1     |       |       |       |       |       |       |       |       |          | 1 1   | 7 1.0  |
| <b>ENDOCRINE SYSTEM</b>          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |        |
| Adrenal Cortex                   | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Hematopoietic Cell Proliferation |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 3     | 3 2.0  |
| Infiltration Cellular, Lymphoid  |             |       |       |       |       |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |       |          |       | 1 1.0  |
| Subcapsular, Hyperplasia         | 2           | 2     | 2     | 2     | 2     | 1     | 2     | 2     | 1     | 1     | 2     | 2     | 1     | 1     | 2     | 1     | 1     | 2     | 2     | 1     | 1        | 1     | 50 1.5 |
| Adrenal Medulla                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Hypertrophy                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 2.0  |
| Islets, Pancreatic               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Hyperplasia                      |             |       | 1     |       | 1     |       |       |       | 1     |       |       |       |       |       |       |       | 1     |       |       |       |          | 1     | 9 1.0  |
| Parathyroid Gland                | +           | +     | +     | +     | +     | +     | M     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 45     |
| Pituitary Gland                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Pars Distalis, Hyperplasia       |             |       | 1     |       |       |       |       |       |       |       |       |       |       |       | 2     | 3     | 1     |       |       | 1     | 1        |       | 10 1.5 |
| Thyroid Gland                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | I     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 48     |
| Ultimobranchial Cyst             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | X     | 3      |
| C-cell, Hyperplasia              |             |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 1.0  |
| Follicle, Cyst                   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1      |
| Follicular Cell, Hypertrophy     | 1           | 1     | 1     | 1     | 1     | 1     | 1     | 2     | 1     | 1     |       | 1     | 1     |       | 1     | 1     | 1     | 1     | 1     | 1     | 1        | 1     | 39 1.0 |

**GENERAL BODY 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

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 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 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| <b>2000 mg/kg</b>         | 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 | 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 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                           |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                           |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 | 0 |
| <b>* TOTALS</b>           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

NONE

**GENITAL SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |     |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|-----|
| Clitoral Gland                   | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |     |     |     |
| Ovary                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |     |     |
| Angiectasis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   | 1.0 |     |
| Cyst                             | 3 |   |   |   |   | 2 | 3 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 11  | 2.3 |     |
| Uterus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |     |     |
| Angiectasis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     | 1   | 1.0 |
| Dysplasia                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     | 1   | 3.0 |
| Inflammation                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   | 1.0 |     |
| Endometrium, Hyperplasia, Cystic |   |   | 4 |   |   | 2 | 2 |   | 4 |   |   | 2 |   | 1 |   | 2 | 1 | 3 |   |   | 1 | 2 |   |   |   |   |   | 2 | 1 |   |   |   | 30 | 2.1 |     |     |

**HEMATOPOIETIC SYSTEM**

|                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |     |     |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|-----|-----|
| Bone Marrow                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |     |     |     |
| Hyperplasia                        | 1 | 1 | 2 | 2 | 2 |   |   |   | 3 | 1 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 2 |   | 3 |   | 3 |   | 1 | 4 |   |   |   |   |   |   |   |    | 36 | 2.1 |     |     |
| Lymph Node                         | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 6   |     |     |
| Bronchial, Hyperplasia, Lymphoid   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     | 1   | 2.0 |
| Inguinal, Hyperplasia, Lymphoid    | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 3   | 1.0 |     |
| Mediastinal, Hyperplasia, Lymphoid |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 3   | 3.0 |     |
| Lymph Node, Bronchial              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     | 1   |     |
| Lymph Node, Mandibular             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |     |     |     |
| Hyperplasia, Lymphoid              |   |   |   | 1 | 2 |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     | 7   | 1.6 |

\* .. 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 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 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 | 0 | 0 | 0 | 0 | * TOTALS |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                                   | ANIMAL ID   | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 4 |          |
| Lymph Node, Mesenteric            |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 50       |
| Spleen                            |             | 9 | 7 | 9 | 7 | 8 | 7 | 8 | 9 | 7 | 8 | 7 | 9 | 9 | 9 | 7 | 8 | 9 | 7 | 2 | 9 | 7 | 8 | 9 | 7 | 50       |
| Hematopoietic Cell Proliferation  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 2.8   |
| Hyperplasia, Lymphoid             |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 29 1.3   |
| Lymphoid Follicle, Atrophy        |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 1 4.0    |
| Thymus                            |             | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 50       |
| Angiectasis                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0    |
| Hyperplasia, Lymphoid             |             |   |   |   |   | 2 |   | 1 |   |   |   | 1 | 2 |   |   |   |   | 2 |   |   |   | 2 |   |   |   | 13 1.5   |
| <b>INTEGUMENTARY SYSTEM</b>       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Mammary Gland                     |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Skin                              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| <b>MUSCULOSKELETAL SYSTEM</b>     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Bone                              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Osteoporosis                      |             |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 6 1.5    |
| <b>NERVOUS SYSTEM</b>             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Brain                             |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| <b>RESPIRATORY SYSTEM</b>         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |
| Lung                              |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50       |
| Infiltration Cellular, Histiocyte |             |   |   |   |   |   |   |   |   |   |   |   |   | 3 | 3 |   |   |   |   |   |   |   |   |   |   | 3 2.3    |
| Inflammation                      |             | 2 |   |   |   |   |   |   |   |   |   |   | 2 | 2 |   |   |   |   |   |   |   |   |   |   |   | 7 1.9    |

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1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
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Experiment Number: 99031 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 02/27/2012

Time Report Requested: 10:34:36

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

Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 mg/kg                    | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |         |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|---------|
|   | 0729        | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  | 0729  |          | 0729    |
| ANIMAL ID   | 00376       | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396    |         |
| Metaplasia, Osseous                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 1.0   |
| Vacuolization Cytoplasmic Arteriole, Hyperplasia    |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2 1 2.0 |
| Smooth Muscle, Proliferation                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 3 2.0   |
| Nose  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 50      |
| Inflammation  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 6 1.8   |
| Glands, Metaplasia                                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 2 1.0   |
| Olfactory Epithelium, Accumulation, Hyaline Droplet |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 17 1.6  |
| Olfactory Epithelium, Atrophy                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 2.0   |
| Olfactory Epithelium, Pigmentation                  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 13 1.2  |
| Respiratory Epithelium, Hyperplasia                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 15 1.1  |
| Trachea   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 50      |
| <b>SPECIAL SENSES SYSTEM</b>                        |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |         |
| Eye   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 50      |
| Anterior Chamber, Inflammation                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 3.0   |
| Cornea, Inflammation                                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 2.0   |
| Harderian Gland                                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 50      |
| Hyperplasia   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 4 1.5   |
| Infiltration Cellular, Lymphoid                     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 1.0   |
| Inflammation  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 3.0   |
| <b>URINARY SYSTEM</b>                               |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |         |
| Kidney  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 50      |
| Cyst  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 3 1.0   |

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

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X .. Lesion present

I .. Insufficient tissue

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Experiment Number: 99031 - 04

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Ginkgo biloba extract

CAS Number: 90045-36-6

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

Lab: BAT

| B6C3F1 MICE FEMALE              | 2000 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |        |
|---------------------------------|------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------|
|                                 |            | 0729        | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 |          | 0729   |
|                                 |            | 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    | 0    | 0    | 0        |        |
|                                 |            | 3           | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3        |        |
|                                 |            | 7           | 7    | 7    | 7    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 8    | 9    | 9    | 9    | 9    | 9    | 9    | 9        |        |
|                                 |            | 6           | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 0    | 1    | 2    | 3    | 4    | 5    | 6        |        |
|                                 |            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |        |
| Glomerulopathy                  |            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 3.0  |
| Infiltration Cellular, Lymphoid |            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 1.0  |
| Mineralization                  |            |             |      |      |      |      |      |      |      |      |      |      | 1    | 1    |      |      |      |      | 1    |      |      | 1        | 10 1.0 |
| Nephropathy                     |            |             |      |      |      | 1    |      |      | 1    | 1    |      | 1    |      |      |      | 1    |      |      | 2    | 1    |      | 2        | 14 1.1 |
| Pigmentation                    |            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |          | 1 2.0  |
| Pelvis, Dilatation              |            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          | 1 3.0  |
| Urinary Bladder                 |            | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +        | 50     |
| Infiltration Cellular, Lymphoid |            |             |      |      |      | 1    | 1    |      |      | 1    | 1    |      |      |      |      |      |      |      | 1    |      |      |          | 8 1.0  |

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

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