

Experiment Number: 99031 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

Ginkgo biloba extract

CAS Number: 90045-36-6

Date Report Requested: 09/12/2016

Time Report Requested: 13:11:36

First Dose M/F: 02/12/04 / 02/11/04

Lab: BAT

NTP Study Number:

C99031

Lock Date:

10/07/2004

Cage Range:

ALL

Date Range:

ALL

Reasons For Removal:

ALL

Removal Date Range:

ALL

Treatment Groups:

Include ALL

Study Gender:

Both

TDMSE Version:

3.0.2.3_002

PWG Approval Date:

NONE

Experiment Number: 99031 - 02

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Focal						1 [2.0]
Gallbladder	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation	8 [1.0]	6 [1.0]	9 [1.0]	10 [1.0]	9 [1.0]	10 [1.0]
Necrosis, Focal			1 [1.0]		5 [1.0]	9 [1.0]
Artery, Inflammation, Chronic						1 [2.0]
Hepatocyte, Hypertrophy			10 [1.4]	10 [1.7]	10 [2.7]	10 [2.7]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	1 [1.0]					1 [1.0]
Duct, Mineralization	1 [1.0]					
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 09/12/2016

Test Type: 90-DAY

Ginkgo biloba extract

Time Report Requested: 13:11:36

Route: GAVAGE

CAS Number: 90045-36-6

First Dose M/F: 02/12/04 / 02/11/04

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Accessory Adrenal Cortical Nodule	4					
Subcapsular, Hyperplasia	6 [1.0]					4 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(7)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(9)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	1 [1.0]					2 [1.0]
Inflammation						1 [1.0]
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
Germinal Epithelium, Degeneration, Diffuse	1 [3.0]					
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(9)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(4)	(0)	(0)	(0)	(0)	(4)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation						1 [2.0]
Olfactory Epithelium, Accumulation, Hyaline Droplet	1 [1.0]	1 [1.0]	4 [1.3]	9 [1.0]	8 [1.4]	5 [1.0]
Olfactory Epithelium, Atrophy			1 [3.0]	2 [1.5]	5 [1.8]	3 [1.7]
Olfactory Epithelium, Pigmentation				7 [1.0]	7 [1.6]	8 [1.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet	1 [1.0]	3 [1.0]	4 [1.0]	9 [1.3]	2 [2.0]	4 [1.0]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Optic Nerve, Infiltration Cellular, Lymphocyte	1 [1.0]					
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)

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AVERAGE SEVERITY GRADES[b]**

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Ginkgo biloba extract

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Crystals					1 [1.0]	
Inflammation	2 [1.0]				1 [1.0]	
Mineralization	1 [1.0]			1 [1.0]	3 [1.0]	3 [1.0]
Nephropathy	3 [1.0]		5 [1.0]	4 [1.0]	6 [1.0]	5 [1.0]
Cortex, Vacuolization Cytoplasmic	10 [2.5]	10 [2.9]	10 [2.9]	10 [2.0]	10 [2.0]	10 [1.1]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

*** END OF MALE ***

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Dosing Accident					1	
Survivors						
Terminal Sacrifice	10	10	10	10	9	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(1)	(10)
Muscularis, Inflammation						1 [1.0]
Gallbladder	(10)	(0)	(0)	(0)	(1)	(10)
Mucosa, Cyst						1
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Large, Rectum	(9)	(0)	(0)	(0)	(1)	(10)
Inflammation	1 [1.0]					
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(1)	(10)
Intestine Small, Jejunum	(9)	(0)	(0)	(0)	(1)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation	10 [1.1]	10 [1.1]	9 [1.0]	10 [1.0]	9 [1.0]	9 [1.0]
Necrosis, Focal						1 [1.0]
Hepatocyte, Hypertrophy			4 [1.0]	10 [1.2]	9 [1.6]	10 [1.9]
Pancreas	(10)	(0)	(0)	(0)	(1)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(1)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(1)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(1)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(9)	(0)	(0)	(0)	(1)	(10)
Adventitia, Aorta, Inflammation, Acute					1 [1.0]	

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B6C3F1 MICE FEMALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
Aorta, Inflammation, Chronic Active	1 [1.0]					
Heart	(9)	(0)	(0)	(0)	(1)	(10)
Vacuolization Cytoplasmic						1 [1.0]
ENDOCRINE SYSTEM						
Adrenal Cortex	(9)	(0)	(0)	(0)	(1)	(10)
Accessory Adrenal Cortical Nodule	1 [1.0]					1 [1.0]
Hyperplasia	1 [1.0]					2 [1.0]
Subcapsular, Hyperplasia	8 [1.3]				1 [1.0]	8 [1.3]
Adrenal Medulla	(9)	(0)	(0)	(0)	(1)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(1)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(1)	(9)
Pituitary Gland	(9)	(0)	(0)	(0)	(1)	(10)
Thyroid Gland	(9)	(0)	(0)	(0)	(1)	(10)
Infiltration Cellular, Mononuclear Cell						1 [1.0]
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(9)	(0)	(0)	(0)	(1)	(10)
Ovary	(10)	(0)	(0)	(0)	(1)	(10)
Uterus	(10)	(0)	(0)	(0)	(1)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(1)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(1)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(1)	(8)
Spleen	(10)	(0)	(0)	(0)	(1)	(10)

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Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
Lymphoid Follicle, Atrophy, Diffuse					1 [2.0]	
Thymus	(9)	(0)	(0)	(0)	(1)	(10)
Necrosis, Diffuse					1 [3.0]	
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(1)	(10)
Skin	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation, Chronic Active	1 [1.0]					
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(1)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(1)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(1)	(10)
Interstitium, Inflammation, Acute					1 [2.0]	
Perivascular, Inflammation						1 [1.0]
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation					1 [3.0]	
Olfactory Epithelium, Accumulation, Hyaline Droplet	1 [1.0]	7 [1.0]	3 [1.0]	6 [1.3]	8 [1.4]	5 [1.0]
Olfactory Epithelium, Atrophy					5 [1.2]	1 [2.0]
Olfactory Epithelium, Pigmentation				3 [1.0]	7 [1.4]	6 [1.2]
Respiratory Epithelium, Accumulation, Hyaline Droplet	2 [1.0]	4 [1.0]	4 [1.0]	6 [1.5]	9 [1.7]	8 [1.1]
Trachea	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation, Acute					1 [2.0]	

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Lab: BAT

B6C3F1 MICE FEMALE	0 MG/KG	125 MG/KG	250 MG/KG	500 MG/KG	1000 MG/KG	2000 MG/KG
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(1)	(10)
Harderian Gland	(9)	(0)	(0)	(0)	(1)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(1)	(10)
Inflammation	1 [1.0]					
Mineralization	3 [1.0]					3 [1.0]
Nephropathy	2 [1.0]					
Urinary Bladder	(10)	(0)	(0)	(0)	(1)	(10)

*** END OF REPORT ***

a - Number of animals examined microscopically at site and number of animals with lesion

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