

Experiment Number: 99031 - 04

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

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

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

Test Type: CHRONIC

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

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Accidentally Killed			1	
Moribund Sacrifice	8	16	23	13
Natural Death	8	7	5	14
Survivors				
Terminal Sacrifice	34	27	21	23
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Gallbladder	(46)	(48)	(44)	(46)
Hyperplasia, Cystic Inflammation	2 [2.5]			1 [1.0]
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid Epithelium, Hyperplasia	3 [2.0] 1 [2.0]		2 [1.5]	1 [1.0]
Intestine Large, Colon	(50)	(50)	(50)	(50)
Epithelium, Hyperplasia		1 [3.0]		
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Ectopic Tissue	1 [2.0]			1 [2.0]
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid Inflammation Epithelium, Hyperplasia	3 [2.7] 3 [2.3]		1 [2.0] 1 [2.0]	1 [2.0]
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid Inflammation Mineralization Epithelium, Hyperplasia	7 [1.7] 3 [2.0] 1 [1.0] 1 [2.0]	1 [1.0]	6 [1.3] 1 [4.0]	2 [2.0]
Liver	(50)	(50)	(50)	(50)
Angiectasis	2 [2.5]			

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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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Basophilic Focus	15	14	5	4
Clear Cell Focus	21	22	14	12
Eosinophilic Focus	34	41	36	39
Erythrophagocytosis		4 [2.0]	11 [1.2]	7 [1.3]
Fatty Change, Focal	4	3		
Hematopoietic Cell Proliferation	4 [1.0]	9 [1.1]	12 [1.2]	14 [1.0]
Hepatodiaphragmatic Nodule	1			
Hypertrophy	3 [1.7]	19 [2.6]	35 [3.0]	23 [3.2]
Infiltration Cellular, Lymphoid	1 [2.0]			
Inflammation	28 [1.2]	35 [1.5]	42 [1.8]	39 [1.8]
Mixed Cell Focus	15	13	12	9
Necrosis	9 [1.9]	15 [2.1]	17 [1.9]	19 [2.3]
Tension Lipidosis	6	1		1
Vacuolization Cytoplasmic	16 [1.5]	13 [1.7]	14 [1.9]	14 [1.5]
Bile Duct, Hyperplasia		2 [2.5]	1 [1.0]	2 [1.0]
Hepatocyte, Hyperplasia			1 [3.0]	
Vein, Thrombosis			1	
Mesentery	(5)	(6)	(3)	(4)
Inflammation		2 [2.0]	2 [2.0]	2 [2.0]
Fat, Necrosis	5 [3.6]	4 [3.0]		
Pancreas	(50)	(50)	(50)	(50)
Atrophy	1 [1.0]		1 [3.0]	
Cyst			1 [4.0]	
Infiltration Cellular, Lymphoid				2 [1.0]
Inflammation		1 [1.0]		2 [1.5]
Salivary Glands	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphoid	5 [1.0]	4 [1.0]	5 [1.0]	1 [1.0]
Stomach, Forestomach	(50)	(50)	(50)	(50)
Cyst		1		
Infiltration Cellular, Mast Cell			1 [3.0]	
Inflammation	11 [2.3]	24 [2.3]	21 [2.8]	45 [2.6]
Mineralization		2 [1.0]	1 [2.0]	
Epithelium, Erosion		2 [2.0]	1 [4.0]	3 [3.3]
Epithelium, Hyperkeratosis	11 [2.5]	24 [3.0]	24 [3.1]	46 [3.1]
Epithelium, Hyperplasia	14 [2.9]	27 [3.0]	27 [3.2]	45 [3.6]
Epithelium, Ulcer	7 [2.3]	10 [2.5]	12 [2.1]	24 [2.2]

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)

Test Type: CHRONIC

Ginkgo biloba extract

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Route: GAVAGE

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Stomach, Glandular	(50)	(50)	(50)	(50)
Cyst	1 [1.0]			1 [1.0]
Inflammation	2 [1.0]		1 [1.0]	1 [1.0]
Mineralization		2 [1.5]	1 [2.0]	
Epithelium, Hyperplasia	4 [2.0]	5 [1.8]	7 [1.9]	4 [1.3]
Tooth	(50)	(50)	(50)	(50)
Dysplasia	46	46	40	33

CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(50)	(50)
Inflammation		1 [2.0]		
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	38 [1.3]	22 [1.1]	27 [1.1]	25 [1.2]
Inflammation	1 [3.0]	3 [1.3]		
Mineralization	1 [1.0]		2 [1.0]	
Thrombosis	1 [3.0]	1 [2.0]		1 [1.0]
Artery, Inflammation		1 [2.0]		

ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	1 [3.0]			
Hyperplasia	1 [4.0]			
Hypertrophy	9 [1.4]		3 [1.7]	1 [3.0]
Subcapsular, Hyperplasia	41 [1.2]	39 [1.1]	42 [1.1]	43 [1.0]
Adrenal Medulla	(50)	(50)	(50)	(49)
Hyperplasia	2 [1.0]	1 [1.0]		2 [1.0]
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	39 [1.6]	38 [1.6]	44 [1.8]	35 [1.4]
Parathyroid Gland	(36)	(46)	(46)	(44)
Pituitary Gland	(49)	(50)	(50)	(49)
Cyst				1 [2.0]
Inflammation	1 [1.0]			
Pars Distalis, Hyperplasia	2 [1.5]		1 [2.0]	

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Thyroid Gland	(49)	(49)	(50)	(50)
Cyst			1	
Ultimobranchial Cyst	8	3	1	
C-cell, Hyperplasia	2 [1.5]	5 [1.0]		
Follicle, Cyst	2	1		
Follicle, Hyperplasia	2 [1.0]	1 [1.0]	7 [1.1]	25 [1.4]
Follicular Cell, Degeneration		1 [1.0]		
Follicular Cell, Hypertrophy	2 [1.0]		2 [1.5]	38 [1.2]

GENERAL BODY SYSTEM

Peritoneum	(0)	(1)	(2)	(2)
Inflammation		1 [3.0]	2 [2.5]	2 [3.0]

GENITAL SYSTEM

Epididymis	(50)	(50)	(50)	(50)
Hemorrhage	1 [2.0]			
Infiltration Cellular, Lymphoid	3 [1.3]	4 [1.0]	3 [1.0]	2 [1.0]
Inflammation	1 [2.0]	3 [1.7]	2 [1.0]	3 [2.0]
Preputial Gland	(50)	(50)	(50)	(50)
Cyst		1 [3.0]		
Ectasia	4 [3.0]	3 [3.7]	5 [3.2]	8 [3.3]
Fibrosis				1 [3.0]
Infiltration Cellular, Lymphoid	1 [1.0]			
Inflammation	30 [1.3]	42 [1.2]	49 [1.2]	46 [1.3]
Prostate	(50)	(50)	(49)	(50)
Hyperplasia	7 [1.1]	3 [1.7]	1 [1.0]	1 [1.0]
Infiltration Cellular, Lymphoid		3 [1.0]	1 [1.0]	
Inflammation	3 [2.0]	5 [1.8]	4 [1.5]	4 [1.8]
Seminal Vesicle	(50)	(50)	(50)	(50)
Dilatation	2 [3.0]		1 [4.0]	
Hyperplasia	1 [1.0]		1 [1.0]	
Inflammation	2 [2.5]	2 [2.5]		1 [1.0]
Testes	(50)	(50)	(50)	(50)

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Inflammation		1 [1.0]		2 [2.0]
Mineralization		3 [1.3]		2 [1.5]

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Atrophy			1 [3.0]	
Hyperplasia	48 [2.0]	49 [2.8]	49 [2.7]	50 [2.7]
Lymph Node	(11)	(15)	(18)	(14)
Bronchial, Hyperplasia, Lymphoid	6 [1.8]	2 [2.0]	1 [1.0]	4 [1.3]
Bronchial, Infiltration Cellular, Histiocyte				1 [2.0]
Inguinal, Hyperplasia, Lymphoid	6 [1.3]	10 [1.1]	16 [1.2]	11 [1.1]
Mediastinal, Hyperplasia, Lymphoid		1 [2.0]		
Mediastinal, Infiltration Cellular, Histiocyte			1 [3.0]	
Lymph Node, Mandibular	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid	17 [1.7]	14 [1.6]	16 [1.6]	5 [1.4]
Infiltration Cellular, Histiocyte			1 [3.0]	1 [3.0]
Lymph Node, Mesenteric	(50)	(49)	(49)	(50)
Hyperplasia, Lymphoid	6 [2.2]	5 [2.4]	10 [1.9]	1 [2.0]
Inflammation		1 [3.0]	1 [3.0]	
Spleen	(50)	(50)	(50)	(50)
Angiectasis		1 [2.0]		
Hematopoietic Cell Proliferation	49 [2.6]	47 [3.0]	50 [3.3]	50 [3.2]
Hyperplasia				1 [2.0]
Hyperplasia, Lymphoid	9 [2.0]	12 [1.8]	6 [1.3]	8 [1.8]
Lymphoid Follicle, Atrophy		1 [4.0]		
Thymus	(50)	(47)	(50)	(45)
Atrophy	1 [3.0]			
Hyperplasia, Lymphoid	10 [1.5]	10 [1.7]	19 [1.5]	10 [1.5]
Necrosis		1 [2.0]		

INTEGUMENTARY SYSTEM

Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion		1		

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Dermis, Fibrosis	2 [3.5]		1 [4.0]	
Dermis, Inflammation	2 [3.0]	2 [3.0]	1 [3.0]	
Dermis, Subcutaneous Tissue, Inflammation		1 [2.0]		
Epidermis, Hyperkeratosis	1 [4.0]	1 [3.0]		
Epidermis, Hyperplasia	2 [3.5]	1 [3.0]	1 [4.0]	
Epidermis, Ulcer	2 [3.5]	2 [4.0]	1 [3.0]	
Subcutaneous Tissue, Inflammation		2 [2.0]		

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Hyperplasia			1 [1.0]	
Vertebra, Fracture			1	
Skeletal Muscle	(1)	(1)	(1)	(1)
Cyst				1 [2.0]
Hemorrhage			1 [3.0]	
Inflammation	1 [2.0]			1 [2.0]

NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Hemorrhage		1 [2.0]		
Infiltration Cellular, Lymphoid	2 [1.5]			1 [1.0]
Peripheral Nerve	(0)	(0)	(1)	(0)
Spinal, Hemorrhage			1 [3.0]	

RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Infiltration Cellular, Histiocyte	1 [3.0]			
Inflammation	5 [1.4]	1 [3.0]	6 [1.3]	3 [1.3]
Metaplasia, Osseous				1 [1.0]
Mineralization	2 [1.0]	1 [1.0]		1 [1.0]
Pigmentation			1 [1.0]	

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Alveolar Epithelium, Hyperplasia	4 [1.5]	3 [2.7]	1 [4.0]	1 [2.0]
Alveolus, Infiltration Cellular, Histiocyte	10 [1.7]	7 [1.4]	11 [1.2]	5 [1.4]
Nose	(50)	(50)	(50)	(50)
Inflammation	7 [1.3]	16 [1.3]	5 [1.4]	9 [1.3]
Glands, Metaplasia	1 [1.0]			
Glands, Metaplasia, Respiratory	3 [1.0]	3 [1.7]	2 [1.0]	1 [1.0]
Olfactory Epithelium, Accumulation, Hyaline Droplet	18 [1.4]	16 [1.9]	15 [1.8]	28 [1.8]
Olfactory Epithelium, Atrophy		3 [2.0]		
Olfactory Epithelium, Degeneration	1 [1.0]			
Olfactory Epithelium, Hyperplasia	2 [3.0]			1 [3.0]
Olfactory Epithelium, Metaplasia	1 [2.0]			
Olfactory Epithelium, Metaplasia, Respiratory	3 [2.7]	3 [1.7]		
Olfactory Epithelium, Pigmentation		1 [1.0]	3 [1.0]	13 [1.1]
Respiratory Epithelium, Hyperplasia	40 [1.2]	38 [1.3]	37 [1.0]	33 [1.1]
Trachea	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Ear	(1)	(0)	(0)	(1)
Eye	(50)	(50)	(50)	(50)
Atrophy			1 [4.0]	
Cataract			1 [3.0]	
Inflammation	1 [1.0]			
Cornea, Hyperplasia, Squamous	1 [3.0]	1 [1.0]	3 [2.7]	
Cornea, Inflammation	1 [3.0]	1 [1.0]	3 [2.7]	1 [1.0]
Harderian Gland	(50)	(50)	(50)	(50)
Atrophy		1 [2.0]		
Cyst				1 [2.0]
Fibrosis		1 [2.0]		
Hyperplasia	3 [2.0]	5 [1.6]	3 [1.3]	2 [2.0]
Infiltration Cellular, Lymphoid		1 [1.0]	1 [1.0]	
Mineralization		1 [2.0]		
Pigmentation	1 [2.0]			

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet		1 [2.0]		
Cyst	6 [1.3]	6 [1.0]	8 [1.0]	5 [1.0]
Infarct	2 [1.5]	2 [1.0]		
Infiltration Cellular, Lymphoid	2 [2.0]	1 [2.0]	1 [2.0]	
Inflammation	2 [2.0]	4 [2.0]	1 [1.0]	1 [2.0]
Metaplasia, Osseous	3 [1.3]	4 [1.3]	4 [1.3]	
Mineralization	40 [1.2]	40 [1.2]	38 [1.1]	21 [1.0]
Nephropathy	49 [1.6]	45 [1.2]	44 [1.1]	39 [1.2]
Pigmentation	3 [1.3]	15 [1.9]	26 [2.3]	19 [2.3]
Pelvis, Dilatation			1 [3.0]	
Renal Tubule, Hyperplasia	1 [3.0]	1 [3.0]		
Renal Tubule, Necrosis		1 [3.0]		
Urethra	(0)	(1)	(0)	(0)
Bulbourethral Gland, Inflammation		1 [3.0]		
Urinary Bladder	(50)	(50)	(50)	(50)
Hemorrhage		1 [3.0]		
Inflammation	2 [2.5]	2 [2.0]		1 [3.0]

*** END OF MALE ***

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B6C3F1 MICE FEMALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Accidentally Killed		2		
Dosing Accident	5		1	
Moribund Sacrifice	8	8	3	3
Natural Death	6	4	3	11
Survivors				
Terminal Sacrifice	31	36	43	36
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Inflammation	5 [2.6]		1 [3.0]	
Perforation	4 [2.8]			
Gallbladder	(50)	(50)	(48)	(48)
Cyst		3 [1.7]		
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid				1 [2.0]
Inflammation			1 [2.0]	
Necrosis		1 [2.0]		
Intestine Large, Colon	(50)	(50)	(50)	(50)
Inflammation				1 [1.0]
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Epithelium, Hyperplasia	1 [2.0]			
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Inflammation	1 [1.0]			
Epithelium, Hyperplasia	1 [2.0]			
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid			1 [3.0]	
Liver	(50)	(50)	(50)	(50)
Basophilic Focus	7	8	9	9
Clear Cell Focus	1	3	2	6

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Eosinophilic Focus	26	39	43	45
Erythrophagocytosis		3 [1.0]	7 [1.0]	16 [1.0]
Fatty Change, Focal	1	1	2	3
Hematopoietic Cell Proliferation	14 [1.5]	12 [1.3]	9 [1.3]	4 [1.8]
Hypertrophy		18 [2.2]	37 [2.1]	37 [2.9]
Inflammation	38 [1.3]	45 [1.6]	46 [1.3]	41 [1.5]
Mineralization				1 [1.0]
Mixed Cell Focus	7	27	31	31
Necrosis	4 [2.3]	2 [2.0]	6 [1.5]	11 [2.0]
Tension Lipidosis	5	11	10	3
Vacuolization Cytoplasmic	18 [1.7]	38 [2.1]	44 [2.6]	35 [2.3]
Bile Duct, Cyst		2	1	
Mesentery	(3)	(5)	(3)	(4)
Inflammation			1 [3.0]	1 [3.0]
Fat, Necrosis	2 [3.5]	5 [3.8]	3 [3.3]	2 [4.0]
Oral Mucosa	(1)	(0)	(0)	(0)
Pancreas	(50)	(49)	(50)	(50)
Atrophy	1 [3.0]	4 [1.5]	4 [3.0]	1 [2.0]
Cyst	1 [2.0]			
Infiltration Cellular, Lymphoid		3 [1.0]	1 [1.0]	
Inflammation			1 [2.0]	2 [1.0]
Acinus, Hyperplasia			1 [2.0]	
Acinus, Hypertrophy	1 [2.0]			
Duct, Cyst		1 [4.0]	3 [3.0]	1 [4.0]
Salivary Glands	(50)	(50)	(49)	(50)
Infiltration Cellular, Lymphoid	3 [1.0]	2 [1.0]	2 [1.0]	1 [1.0]
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation	4 [1.8]	6 [2.3]	5 [1.8]	19 [2.6]
Mineralization		1 [1.0]		
Epithelium, Erosion		1 [3.0]		
Epithelium, Hyperkeratosis	3 [2.7]	11 [2.0]	5 [1.8]	20 [2.9]
Epithelium, Hyperplasia	8 [2.1]	18 [1.8]	11 [2.0]	20 [3.4]
Epithelium, Ulcer	1 [2.0]	1 [3.0]	1 [2.0]	11 [2.5]
Stomach, Glandular	(50)	(50)	(50)	(50)
Cyst		1 [1.0]	2 [2.0]	1 [2.0]
Inflammation		2 [1.0]	1 [1.0]	3 [1.7]

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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	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Mineralization Epithelium, Hyperplasia	1 [1.0]			
Tooth Dysplasia	2 [1.0] (50)	2 [2.0] (50)	1 [1.0] (50)	5 [1.4] (50)
		4	3	

CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(49)	(50)	(50)
Mineralization	1 [2.0]	1 [3.0]		
Aorta, Inflammation	1 [1.0]			
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	7 [1.0]	5 [1.2]	5 [1.0]	7 [1.0]
Inflammation	2 [1.0]	1 [1.0]		
Mineralization	2 [2.5]	2 [1.5]	3 [1.3]	
Necrosis		1 [3.0]		
Epicardium, Inflammation	2 [1.5]		1 [1.0]	

ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Angiectasis	1 [2.0]			
Hematopoietic Cell Proliferation	5 [1.0]	1 [3.0]	3 [2.7]	3 [2.0]
Hypertrophy	1 [1.0]			
Infiltration Cellular, Lymphoid			1 [2.0]	1 [1.0]
Subcapsular, Hyperplasia	46 [1.7]	50 [1.6]	49 [1.5]	50 [1.5]
Adrenal Medulla	(50)	(50)	(50)	(50)
Hyperplasia		1 [2.0]		
Hypertrophy				1 [2.0]
Islets, Pancreatic	(50)	(50)	(50)	(50)
Atrophy			1 [3.0]	
Hyperplasia	7 [1.4]	11 [1.0]	11 [1.2]	9 [1.0]
Parathyroid Gland	(47)	(46)	(45)	(45)
Hyperplasia	1 [1.0]	1 [1.0]	1 [2.0]	
Infiltration Cellular, Lymphoid			2 [2.0]	
Pituitary Gland	(50)	(50)	(49)	(50)

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Angiectasis		1 [3.0]		
Pars Distalis, Hyperplasia	14 [1.6]	20 [1.6]	22 [1.3]	10 [1.5]
Thyroid Gland	(49)	(48)	(49)	(48)
Ultimobranchial Cyst	14	7	9	3
C-cell, Hyperplasia	3 [1.0]	6 [1.0]	5 [1.0]	1 [1.0]
Follicle, Cyst	3	1	2	1
Follicle, Hyperplasia			4 [1.8]	
Follicular Cell, Degeneration			1 [1.0]	
Follicular Cell, Hypertrophy	1 [3.0]	5 [1.4]	9 [1.0]	39 [1.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(50)	(50)	(50)	(49)
Inflammation	4 [1.8]	2 [2.5]	1 [1.0]	
Ovary	(50)	(50)	(49)	(50)
Angiectasis	2 [3.0]			2 [1.0]
Cyst	8 [2.6]	10 [2.1]	17 [1.9]	11 [2.3]
Hemorrhage, Chronic		1 [3.0]		
Mineralization	1 [1.0]		1 [1.0]	
Thrombosis	1 [3.0]		1 [4.0]	
Germinal Epithelium, Hyperplasia			1 [1.0]	
Uterus	(50)	(50)	(50)	(50)
Angiectasis			1 [4.0]	1 [1.0]
Dysplasia				1 [3.0]
Fibrosis	1 [1.0]			
Hemorrhage			1 [4.0]	
Inflammation	7 [2.7]	10 [2.4]	3 [2.3]	2 [1.0]
Malformation		1		
Artery, Dysplasia			1 [4.0]	
Endometrium, Decidual Reaction	1			
Endometrium, Hyperplasia	1 [3.0]			

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Endometrium, Hyperplasia, Cystic	35 [2.3]	37 [2.4]	35 [2.1]	30 [2.1]

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia	38 [2.1]	43 [2.3]	42 [2.2]	36 [2.1]
Necrosis		1 [3.0]		
Lymph Node	(16)	(11)	(11)	(6)
Bronchial, Hyperplasia, Lymphoid	3 [1.7]	3 [2.0]	2 [2.0]	1 [2.0]
Inguinal, Hyperplasia, Lymphoid	7 [1.6]	2 [1.0]	2 [2.0]	3 [1.0]
Mediastinal, Hyperplasia, Lymphoid		2 [1.5]		1 [3.0]
Pancreatic, Angiectasis	1 [4.0]			
Pancreatic, Hyperplasia, Lymphoid	1 [2.0]		1 [3.0]	
Renal, Angiectasis	1 [4.0]			
Renal, Ectasia			1 [4.0]	
Renal, Hemorrhage, Chronic			1 [3.0]	
Renal, Sinus, Ectasia			1 [4.0]	
Lymph Node, Bronchial	(0)	(0)	(0)	(1)
Lymph Node, Mandibular	(49)	(50)	(49)	(50)
Angiectasis			1 [2.0]	
Hyperplasia, Lymphoid	6 [1.8]	15 [1.3]	10 [1.9]	7 [1.6]
Inflammation	1 [2.0]			
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid	6 [2.7]	5 [2.2]	2 [1.5]	
Inflammation			1 [2.0]	
Spleen	(50)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	48 [3.1]	48 [2.9]	50 [3.0]	50 [2.8]
Hyperplasia, Lymphoid	20 [1.8]	33 [1.9]	25 [1.4]	29 [1.3]
Mineralization		1 [2.0]		
Necrosis			1 [3.0]	
Pigmentation	4 [1.3]			
Lymphoid Follicle, Atrophy			1 [4.0]	1 [4.0]
Thymus	(50)	(49)	(49)	(50)
Angiectasis				1 [2.0]
Hyperplasia, Lymphoid	18 [1.9]	16 [1.9]	23 [1.7]	13 [1.5]

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Route: GAVAGE

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Inflammation			1 [3.0]	
Necrosis	3 [2.3]			

INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(50)	(50)	(50)
Hyperplasia	3 [2.0]			
Inflammation			1 [2.0]	
Skin	(50)	(50)	(50)	(50)
Dermis, Inflammation	1 [2.0]		1 [4.0]	
Epidermis, Hyperplasia	1 [4.0]			
Epidermis, Ulcer	1 [3.0]			
Sebaceous Gland, Hyperplasia	1 [2.0]			

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Fracture		2 [3.0]		
Osteopetrosis			1 [3.0]	
Osteoporosis	7 [1.3]	16 [1.6]	17 [1.4]	6 [1.5]
Synovial Tissue, Inflammation		1 [2.0]		
Skeletal Muscle	(1)	(1)	(0)	(0)

NERVOUS SYSTEM

Brain	(50)	(50)	(49)	(50)
Gliosis	1 [2.0]	1 [1.0]		
Hemorrhage		1 [3.0]		
Peripheral Nerve	(1)	(1)	(1)	(0)
Sciatic, Demyelination	1 [1.0]			
Spinal, Demyelination	1 [3.0]			
Spinal Cord	(0)	(1)	(1)	(0)

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Cyst			1 [2.0]	
Hemorrhage		2 [2.5]		
Infiltration Cellular, Histiocyte		3 [2.3]	2 [2.5]	3 [2.3]
Inflammation		5 [2.0]	3 [2.0]	7 [1.9]
Metaplasia, Osseous	1 [1.0]			1 [1.0]
Mineralization		1 [1.0]		
Thrombosis	1 [2.0]			
Vacuolization Cytoplasmic				1 [2.0]
Alveolar Epithelium, Hyperplasia	1 [3.0]	1 [2.0]		
Alveolar Epithelium, Inflammation	1 [2.0]			
Arteriole, Hyperplasia				3 [2.0]
Bronchiole, Hyperplasia		1 [2.0]		
Pleura, Inflammation	5 [2.4]		1 [2.0]	
Smooth Muscle, Proliferation				1 [3.0]
Nose	(50)	(50)	(50)	(50)
Inflammation	4 [1.0]	5 [1.0]	4 [1.3]	6 [1.8]
Glands, Metaplasia	3 [1.0]	4 [1.0]	5 [1.2]	2 [1.0]
Olfactory Epithelium, Accumulation, Hyaline Droplet	5 [1.0]	3 [1.7]	12 [1.2]	17 [1.6]
Olfactory Epithelium, Atrophy			1 [2.0]	1 [2.0]
Olfactory Epithelium, Degeneration	3 [2.0]			
Olfactory Epithelium, Hyperplasia	1 [3.0]			
Olfactory Epithelium, Metaplasia	1 [1.0]			
Olfactory Epithelium, Pigmentation		1 [1.0]	6 [1.5]	13 [1.2]
Respiratory Epithelium, Hyperplasia	15 [1.0]	15 [1.0]	18 [1.0]	15 [1.1]
Trachea	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Ear	(1)	(0)	(0)	(0)
Eye	(50)	(50)	(49)	(50)
Cataract		1 [4.0]	1 [2.0]	

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
Phthisis Bulbi		1		
Anterior Chamber, Inflammation	1 [4.0]			1 [3.0]
Cornea, Inflammation	1 [4.0]	1 [1.0]	1 [3.0]	1 [2.0]
Harderian Gland	(50)	(50)	(49)	(50)
Fibrosis			1 [2.0]	
Hyperplasia	2 [1.0]	1 [2.0]	2 [1.0]	4 [1.5]
Infiltration Cellular, Lymphoid	1 [1.0]			1 [1.0]
Inflammation			1 [2.0]	1 [3.0]

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet			1 [3.0]	
Cyst	1 [1.0]		3 [1.0]	3 [1.0]
Dilatation		1 [3.0]		
Glomerulopathy				1 [3.0]
Infarct	1 [1.0]		1 [1.0]	
Infiltration Cellular, Lymphoid				1 [1.0]
Inflammation	1 [2.0]		2 [2.5]	
Metaplasia, Osseous	1 [1.0]	1 [1.0]	1 [1.0]	
Mineralization	11 [1.0]	8 [1.4]	3 [1.0]	10 [1.0]
Nephropathy	24 [1.3]	17 [1.3]	15 [1.1]	14 [1.1]
Pigmentation			2 [2.0]	1 [2.0]
Glomerulus, Amyloid Deposition	1 [3.0]			
Pelvis, Dilatation				1 [3.0]
Urinary Bladder	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphoid	6 [1.3]	2 [1.5]	2 [1.0]	8 [1.0]
Inflammation			1 [2.0]	

*** END OF REPORT ***

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