

Experiment Number: 20203 - 04

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

Date Report Requested: 01/18/2013

Test Type: CHRONIC

Green tea extract

Time Report Requested: 13:10:02

Route: GAVAGE

CAS Number: GREENTEAEXTR

First Dose M/F: 07/10/07 / 07/09/07

Species/Strain: MICE/B6C3F1

Lab: BAT

F1_M3

NTP Study Number: C20203
Lock Date: 11/04/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.1.0_004
PWG Approval Date: NONE

Test Type: CHRONIC

Green tea extract

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Dosing Accident				2
Moribund Sacrifice	6	8	7	10
Natural Death	11	6	10	1
Survivors				
Dosing Accident			1	
Terminal Sacrifice	33	36	32	37
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(49)	(50)	(50)
Inflammation		1 [1.0]	1 [1.0]	1 [2.0]
Perforation				1
Muscularis, Degeneration	1 [1.0]			
Periesophageal Tissue, Inflammation			1 [3.0]	
Gallbladder	(50)	(48)	(49)	(49)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Inflammation		1 [2.0]		
Intestine Large, Colon	(50)	(50)	(50)	(50)
Epithelium, Hyperplasia, Adenomatous				1 [3.0]
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(43)	(50)	(47)	(49)
Intestine Small, Ileum	(47)	(50)	(48)	(50)
Hyperplasia		1 [3.0]		
Inflammation		1 [2.0]		
Intestine Small, Jejunum	(45)	(50)	(49)	(50)
Angiectasis				1 [1.0]
Inflammation, Granulomatous			1 [3.0]	
Peyer's Patch, Hyperplasia, Lymphoid	1 [4.0]			
Liver	(50)	(50)	(50)	(50)
Basophilic Focus	8	13	6	6
Clear Cell Focus	24	17	6	1

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	30 mg/kg	100 mg/kg	300 mg/kg
Embolus Bacterial			3 [1.3]	
Eosinophilic Focus	24	27	22	13
Fatty Change	2 [1.0]	1 [2.0]		1 [1.0]
Fibrosis		1 [2.0]		
Hematopoietic Cell Proliferation	2 [1.0]	2 [1.5]	6 [1.2]	10 [1.0]
Hemorrhage	1 [4.0]			
Hepatodiaphragmatic Nodule		2		1
Infarct		1 [4.0]		
Infiltration Cellular, Lymphocyte		1 [1.0]	1 [2.0]	1 [1.0]
Inflammation	4 [1.0]	1 [3.0]	5 [2.8]	12 [1.2]
Mixed Cell Focus	9	4	5	2
Tension Lipidosis			1	
Thrombosis		2 [2.0]		
Bile Duct, Cyst	1 [2.0]			
Hepatocyte, Necrosis	7 [1.6]	12 [1.8]	7 [2.1]	4 [2.8]
Hepatocyte, Vacuolization Cytoplasmic			1 [4.0]	
Kupffer Cell, Hyperplasia	3 [1.3]			
Mesentery	(1)	(4)	(2)	(1)
Inflammation			2 [2.5]	
Fat, Necrosis	1 [1.0]	4 [2.0]		1 [2.0]
Pancreas	(50)	(50)	(50)	(50)
Acinus, Atrophy				4 [2.0]
Duct, Inflammation			1 [2.0]	
Salivary Glands	(50)	(50)	(50)	(50)
Inflammation			1 [2.0]	
Necrosis	1 [1.0]			
Duct, Hyperplasia		1 [2.0]		
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation	5 [1.2]	3 [1.7]	1 [1.0]	2 [1.0]
Ulcer	3 [1.0]		2 [1.0]	
Epithelium, Hyperplasia	5 [1.2]	4 [2.0]	2 [1.0]	1 [1.0]
Epithelium, Hyperplasia, Focal	1 [2.0]			
Stomach, Glandular	(50)	(50)	(50)	(50)
Erosion	2 [1.0]		1 [1.0]	
Fungus			1 [2.0]	
Inflammation	1 [2.0]	2 [1.5]	1 [1.0]	

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Metaplasia, Squamous Epithelium, Mineralization Epithelium, Necrosis Glands, Hyperplasia	2 [1.5]	1 [1.0]	1 [1.0]	
Tooth Inflammation, Chronic Active	(0)	(1)	(0)	(1) 1 [2.0]

CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(50)	(50)
Aorta, Inflammation			2 [1.5]	1 [2.0]
Carotid Artery, Inflammation				1 [2.0]
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	15 [1.0]	15 [1.0]	11 [1.0]	11 [1.0]
Inflammation	1 [2.0]	1 [2.0]	2 [2.0]	1 [1.0]
Mineralization			1 [2.0]	
Thrombosis			1 [3.0]	
Artery, Inflammation	1 [2.0]		2 [1.5]	2 [2.0]
Pericardium, Inflammation			1 [1.0]	
Valve, Thrombosis	3 [3.0]	1 [2.0]		

ENDOCRINE SYSTEM

Adrenal Cortex	(49)	(50)	(50)	(50)
Atrophy			1 [3.0]	1 [2.0]
Degeneration, Cystic		1 [1.0]		
Hyperplasia	2 [1.0]	3 [1.0]		3 [1.3]
Hypertrophy	10 [1.4]	8 [1.3]	1 [2.0]	2 [1.5]
Necrosis			1 [2.0]	
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia		1 [3.0]	1 [3.0]	
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	22 [1.8]	18 [1.5]	19 [1.4]	1 [1.0]
Parathyroid Gland	(41)	(30)	(46)	(44)
Pituitary Gland	(49)	(50)	(49)	(50)

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Pars Distalis, Hyperplasia	2 [1.0]			
Thyroid Gland	(50)	(50)	(50)	(50)
Inflammation			1 [1.0]	

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(1)	(0)	(0)	(0)
Epididymis	(50)	(50)	(50)	(50)
Granuloma Sperm	1 [1.0]			
Preputial Gland	(50)	(50)	(50)	(50)
Ectasia	1 [2.0]	4 [2.0]	5 [2.4]	4 [2.3]
Inflammation		1 [3.0]		
Prostate	(50)	(50)	(50)	(50)
Inflammation	1 [1.0]	1 [3.0]		
Seminal Vesicle	(50)	(50)	(50)	(50)
Dilatation				1 [4.0]
Infiltration Cellular, Lymphocyte		1 [2.0]		
Inflammation	1 [2.0]	1 [4.0]		1 [2.0]
Testes	(50)	(50)	(50)	(50)
Germinal Epithelium, Degeneration	4 [2.0]	3 [1.3]	1 [1.0]	
Germinal Epithelium, Mineralization	1 [1.0]			
Interstitial Cell, Hyperplasia	2 [2.0]	1 [1.0]		2 [1.5]
Tunic, Inflammation			1 [1.0]	

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia	5 [1.2]	42 [1.6]	38 [1.6]	46 [1.5]
Infiltration Cellular, Plasma Cell	1 [2.0]			
Lymph Node	(2)	(3)	(1)	(0)

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B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Infiltration Cellular, Plasma Cell Lymph Node, Mandibular	(50)	1 [3.0] (50)	(50)	(50)
Atrophy			1 [2.0]	1 [4.0]
Hyperplasia, Lymphoid		1 [1.0]	31 [2.2]	37 [2.1]
Infiltration Cellular, Plasma Cell Inflammation	1 [1.0]	1 [1.0]	24 [1.3] 1 [4.0]	41 [1.6]
Necrosis			1 [2.0]	
Lymph Node, Mesenteric	(50)	(49)	(48)	(50)
Amyloid Deposition		1 [4.0]		
Atrophy	3 [2.3]	2 [3.0]	1 [2.0]	7 [2.3]
Ectasia	1 [3.0]	1 [1.0]		
Fibrosis		1 [3.0]		
Hematopoietic Cell Proliferation	1 [2.0]			
Hyperplasia, Lymphoid	3 [1.7]	3 [2.3]	1 [1.0]	1 [2.0]
Inflammation	2 [2.0]	1 [2.0]	1 [1.0]	
Spleen	(50)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	18 [2.3]	25 [2.1]	29 [2.2]	25 [2.0]
Infiltration Cellular, Plasma Cell Pigmentation, Hemosiderin		1 [2.0]		2 [2.0]
Lymphoid Follicle, Hyperplasia	9 [2.6]	14 [2.0]	7 [1.6]	
Red Pulp, Atrophy	2 [2.0]	3 [2.0]	1 [1.0]	1 [2.0]
White Pulp, Atrophy	9 [2.8]	7 [2.0]	13 [1.9]	2 [2.5]
Thymus	(44)	(49)	(46)	(48)
Atrophy	44 [2.5]	45 [2.7]	45 [2.8]	44 [2.4]

INTEGUMENTARY SYSTEM

Mammary Gland	(0)	(2)	(0)	(1)
Skin	(50)	(50)	(50)	(50)
Inflammation	2 [2.0]	1 [4.0]	1 [4.0]	
Ulcer	1 [4.0]			3 [4.0]
Subcutaneous Tissue, Necrosis			1 [2.0]	

MUSCULOSKELETAL SYSTEM

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First Dose M/F: 07/10/07 / 07/09/07

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion	1	3	1	1
Fibrous Dysplasia				1 [3.0]
Tendon, Inflammation	1 [2.0]			
Skeletal Muscle	(0)	(1)	(1)	(0)
Inflammation		1 [2.0]	1 [4.0]	

NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion		1		
Edema, Multifocal			1 [2.0]	
Hemorrhage			1 [2.0]	
Inflammation			2 [2.5]	
Necrosis		1 [3.0]	1 [2.0]	

RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Hemorrhage			1 [4.0]	
Infiltration Cellular, Lymphocyte	1 [2.0]			4 [2.0]
Inflammation	1 [1.0]		6 [4.0]	5 [3.2]
Thrombosis	1 [1.0]	1 [2.0]	1 [3.0]	
Alveolar Epithelium, Hyperplasia	5 [1.0]	4 [3.5]	5 [2.4]	1 [3.0]
Alveolus, Infiltration Cellular, Histiocyte	2 [2.5]	1 [2.0]		
Bronchiole, Hyperplasia	1 [1.0]	1 [2.0]		
Mediastinum, Inflammation			2 [3.5]	
Mediastinum, Necrosis			1 [3.0]	
Nose	(50)	(49)	(50)	(50)
Foreign Body	1	10	16	25
Hemorrhage			1 [3.0]	
Hyperostosis			28 [1.5]	46 [1.6]
Inflammation, Suppurative	14 [1.0]	40 [1.3]	49 [2.6]	48 [2.8]
Polyp, Inflammatory	3 [2.0]			
Glands, Respiratory Epithelium, Hyperplasia	3 [2.0]	8 [2.0]	3 [2.3]	1 [1.0]

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Lumen, Pigmentation		3 [1.0]	4 [1.3]	2 [1.5]
Nasopharyngeal Duct, Degeneration			4 [1.0]	9 [1.3]
Nasopharyngeal Duct, Inflammation		1 [1.0]	2 [1.5]	4 [1.3]
Nasopharyngeal Duct, Metaplasia, Squamous				1 [2.0]
Nerve, Atrophy		26 [1.5]	49 [2.9]	50 [3.5]
Olfactory Epithelium, Accumulation, Hyaline Droplet	37 [1.6]	47 [2.0]	3 [1.0]	
Olfactory Epithelium, Atrophy	4 [1.5]	24 [1.3]	28 [1.6]	3 [1.0]
Olfactory Epithelium, Fibrosis		4 [1.3]	37 [1.8]	43 [2.8]
Olfactory Epithelium, Metaplasia, Respiratory	11 [1.1]	45 [1.5]	49 [3.2]	49 [4.0]
Olfactory Epithelium, Metaplasia, Squamous	1 [1.0]		1 [4.0]	
Olfactory Epithelium, Necrosis		2 [1.0]	1 [2.0]	
Respiratory Epithelium, Accumulation, Hyaline Droplet	49 [2.3]	49 [2.5]	34 [1.9]	5 [1.0]
Respiratory Epithelium, Hyperplasia	5 [1.4]	20 [1.4]	10 [1.3]	19 [1.4]
Respiratory Epithelium, Metaplasia, Squamous		14 [1.3]	39 [1.6]	46 [2.3]
Respiratory Epithelium, Necrosis		7 [1.0]	16 [1.3]	27 [1.7]
Septum, Perforation	1		26	37
Squamous Epithelium, Necrosis		1 [2.0]		
Turbinate, Atrophy			41 [1.3]	50 [2.8]
Trachea	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Eye	(50)	(50)	(50)	(50)
Cornea, Inflammation	1 [1.0]			
Optic Nerve, Demyelination				1 [2.0]
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia	3 [2.7]	1 [2.0]	4 [2.3]	1 [3.0]
Inflammation			1 [2.0]	
Necrosis			1 [2.0]	

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Accumulation, Hyaline Droplet		1 [2.0]		
Cyst		1		
Hydronephrosis				1 [4.0]
Infarct	5 [1.0]	3 [1.7]	7 [1.1]	4 [1.3]
Infiltration Cellular, Lymphocyte	1 [2.0]		1 [2.0]	
Infiltration Cellular, Plasma Cell		1 [2.0]		
Inflammation			2 [2.0]	
Nephropathy	38 [1.2]	41 [1.4]	35 [1.1]	42 [1.1]
Artery, Inflammation				1 [3.0]
Cortex, Cyst	3 [1.0]	1 [1.0]	2 [1.0]	2 [1.0]
Pelvis, Inflammation		2 [2.0]		
Renal Tubule, Hyperplasia	2 [1.5]	2 [1.0]		
Renal Tubule, Necrosis		2 [1.5]		
Vein, Inflammation, Chronic Active			1 [2.0]	
Urinary Bladder	(50)	(50)	(50)	(50)
Calculus Gross Observation		1		

*** END OF MALE ***

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B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Dosing Accident	3	6	1	
Moribund Sacrifice	10	2	2	6
Natural Death	3	9	3	5
Survivors				
Moribund Sacrifice		1		
Terminal Sacrifice	34	32	44	39
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(49)	(49)	(50)
Inflammation		1 [2.0]	1 [1.0]	1 [1.0]
Perforation	2	4		
Muscularis, Necrosis		1 [2.0]		
Gallbladder	(49)	(48)	(50)	(49)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Intestine Large, Colon	(50)	(50)	(50)	(50)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(48)	(40)	(49)	(48)
Serosa, Inflammation				1 [2.0]
Intestine Small, Ileum	(49)	(46)	(49)	(48)
Hyperplasia			1 [2.0]	
Ulcer			1 [2.0]	
Serosa, Inflammation				1 [2.0]
Intestine Small, Jejunum	(48)	(43)	(49)	(48)
Peyer's Patch, Hyperplasia, Lymphoid	2 [3.5]	1 [2.0]	1 [3.0]	
Serosa, Inflammation				1 [2.0]
Liver	(50)	(50)	(50)	(50)
Angiectasis		1 [1.0]		1 [2.0]
Basophilic Focus	5	1	2	5
Clear Cell Focus	3	1		
Eosinophilic Focus	23	14	8	3

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B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Fatty Change	4 [2.3]	1 [3.0]		
Hematopoietic Cell Proliferation	3 [1.3]	1 [2.0]	7 [1.1]	3 [1.0]
Hemorrhage	1 [3.0]			
Infiltration Cellular, Lymphocyte	5 [1.6]	2 [1.5]	6 [1.2]	4 [1.0]
Inflammation	6 [1.3]	3 [1.0]	6 [1.0]	5 [1.2]
Mixed Cell Focus	4	1	2	1
Pigmentation	4 [1.5]	1 [1.0]		
Bile Duct, Cyst			1 [2.0]	
Hepatocyte, Necrosis	8 [1.3]	4 [1.3]	3 [1.0]	3 [1.7]
Kupffer Cell, Hyperplasia	1 [2.0]			1 [2.0]
Serosa, Fibrosis				1 [2.0]
Serosa, Inflammation				1 [2.0]
Mesentery	(6)	(0)	(3)	(2)
Artery, Inflammation			1 [2.0]	
Fat, Necrosis	5 [3.2]		1 [2.0]	2 [1.5]
Pancreas	(50)	(49)	(50)	(50)
Cyst		1 [4.0]		
Inflammation				1 [2.0]
Acinus, Atrophy		1 [2.0]	1 [3.0]	1 [2.0]
Salivary Glands	(50)	(48)	(49)	(48)
Artery, Inflammation		1 [3.0]		
Stomach, Forestomach	(49)	(49)	(50)	(49)
Erosion		1 [2.0]		
Inflammation		1 [2.0]		
Mineralization		1 [1.0]		
Epithelium, Hyperplasia		1 [1.0]	1 [1.0]	2 [2.5]
Stomach, Glandular	(49)	(48)	(49)	(49)
Erosion				1 [1.0]
Inflammation			1 [1.0]	
Mineralization				1 [2.0]
Ulcer				1 [1.0]
Epithelium, Pigmentation		1 [1.0]		
Serosa, Inflammation				1 [2.0]
Tongue	(0)	(0)	(0)	(2)

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
CARDIOVASCULAR SYSTEM				
Blood Vessel	(50)	(50)	(50)	(50)
Inflammation		1 [4.0]		
Aorta, Inflammation			2 [2.0]	
Aorta, Mineralization				1 [2.0]
Carotid Artery, Inflammation			1 [3.0]	
Heart	(50)	(49)	(50)	(50)
Cardiomyopathy	12 [1.0]	9 [1.1]	5 [1.0]	8 [1.0]
Infiltration Cellular, Lymphocyte		1 [1.0]		
Inflammation	1 [2.0]			
Mineralization		1 [2.0]		1 [2.0]
Artery, Degeneration				1 [1.0]
Artery, Inflammation		1 [2.0]		1 [1.0]
Valve, Thrombosis		1 [3.0]		
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(50)	(50)
Hematopoietic Cell Proliferation			1 [2.0]	
Hypertrophy		1 [2.0]	3 [1.0]	1 [2.0]
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia			1 [1.0]	2 [1.0]
Islets, Pancreatic	(50)	(49)	(50)	(50)
Hyperplasia	1 [1.0]	3 [1.7]		
Parathyroid Gland	(35)	(40)	(41)	(35)
Pituitary Gland	(50)	(48)	(49)	(50)
Pars Distalis, Hyperplasia	2 [2.5]	3 [1.7]	1 [4.0]	
Thyroid Gland	(50)	(48)	(49)	(49)
Infiltration Cellular, Lymphocyte				1 [1.0]
C-cell, Hyperplasia	1 [1.0]			1 [1.0]
GENERAL BODY SYSTEM				

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

Test Type: CHRONIC

Green tea extract

Time Report Requested: 13:10:02

Route: GAVAGE

CAS Number: GREENTEAEXTR

First Dose M/F: 07/10/07 / 07/09/07

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
None				
GENITAL SYSTEM				
Clitoral Gland	(49)	(49)	(50)	(50)
Ovary	(50)	(50)	(50)	(49)
Angiectasis	1 [3.0]		1 [2.0]	1 [2.0]
Cyst	3 [3.0]	11 [2.5]	6 [2.5]	4 [1.5]
Hyperplasia, Tubular				1 [2.0]
Thrombosis	1 [3.0]		2 [2.5]	
Corpus Luteum, Hyperplasia		1 [4.0]		
Uterus	(50)	(50)	(50)	(50)
Angiectasis	2 [4.0]		1 [1.0]	2 [2.0]
Inflammation				1 [4.0]
Thrombosis	1 [2.0]			
Endometrium, Hyperplasia, Cystic	32 [2.2]	28 [2.0]	19 [1.8]	25 [2.0]

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia	6 [2.2]	11 [1.9]	41 [2.4]	34 [1.9]
Lymph Node	(5)	(5)	(3)	(2)
Hyperplasia			1 [2.0]	
Lumbar, Inflammation			1 [4.0]	
Mediastinal, Hyperplasia, Lymphoid	1 [2.0]			1 [2.0]
Renal, Ectasia	2 [3.5]	1 [4.0]		
Lymph Node, Mandibular	(50)	(48)	(49)	(48)
Atrophy	3 [2.3]	4 [2.8]		
Hyperplasia, Lymphoid		1 [2.0]	8 [1.4]	12 [1.4]
Infiltration Cellular, Plasma Cell			31 [1.3]	18 [1.3]
Lymph Node, Mesenteric	(50)	(49)	(50)	(50)
Atrophy	1 [2.0]	1 [2.0]	6 [1.8]	5 [2.6]
Ectasia	1 [4.0]			
Hyperplasia, Lymphoid	2 [2.0]			
Infiltration Cellular, Plasma Cell	1 [2.0]			1 [3.0]

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Spleen	(50)	(49)	(50)	(50)
Hematopoietic Cell Proliferation	35 [1.9]	34 [1.9]	38 [2.0]	30 [1.5]
Necrosis		1 [4.0]		
Pigmentation, Hemosiderin	2 [1.5]	5 [1.0]	3 [1.0]	2 [1.0]
Lymphoid Follicle, Hyperplasia	19 [2.4]	13 [2.2]	14 [2.2]	8 [1.8]
White Pulp, Atrophy	8 [2.5]	10 [2.3]	7 [1.9]	6 [1.3]
Thymus	(47)	(49)	(49)	(50)
Atrophy	32 [1.8]	28 [2.1]	27 [1.7]	30 [2.0]
Hyperplasia, Lymphoid	6 [1.5]	4 [2.0]	8 [1.3]	4 [1.5]
Necrosis	2 [2.0]	4 [3.0]	1 [1.0]	1 [4.0]

INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(50)	(50)	(50)
Skin	(50)	(50)	(50)	(50)
Ulcer	1 [4.0]			

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion	12	15	8	23
Periosteum, Fibrosis		1 [2.0]		
Skeletal Muscle	(4)	(0)	(0)	(3)

NERVOUS SYSTEM

Brain	(50)	(49)	(50)	(50)
Necrosis	3 [2.0]			1 [4.0]
Arteriole, Inflammation				1 [1.0]

RESPIRATORY SYSTEM

Lung	(50)	(49)	(50)	(50)
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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Infiltration Cellular, Lymphocyte	3 [1.7]	1 [1.0]	3 [2.0]	5 [1.8]
Inflammation		1 [4.0]	2 [3.0]	
Thrombosis		1 [1.0]		
Alveolar Epithelium, Hyperplasia	6 [1.2]	3 [1.3]	3 [2.0]	2 [1.0]
Serosa, Inflammation	3 [3.7]	5 [2.4]	1 [1.0]	1 [4.0]
Nose	(48)	(48)	(50)	(50)
Foreign Body	4	8	13	17
Hyperostosis			21 [1.1]	48 [2.1]
Infiltration Cellular, Histiocyte				1 [1.0]
Inflammation, Suppurative	4 [1.0]	24 [1.0]	44 [2.8]	47 [2.4]
Glands, Respiratory Epithelium, Hyperplasia	3 [1.3]			
Lumen, Pigmentation		19 [1.0]	3 [1.0]	16 [1.7]
Nasopharyngeal Duct, Degeneration			2 [1.0]	4 [1.8]
Nasopharyngeal Duct, Inflammation			1 [2.0]	3 [1.0]
Nerve, Atrophy		13 [1.2]	47 [3.4]	48 [3.5]
Olfactory Epithelium, Accumulation, Hyaline Droplet	41 [2.3]	41 [2.0]	3 [1.0]	
Olfactory Epithelium, Atrophy		18 [1.6]	26 [1.8]	17 [2.2]
Olfactory Epithelium, Fibrosis		1 [1.0]	39 [1.8]	43 [2.2]
Olfactory Epithelium, Metaplasia, Respiratory	2 [1.0]	36 [1.7]	49 [3.4]	48 [3.7]
Olfactory Epithelium, Necrosis		2 [1.5]	1 [1.0]	
Respiratory Epithelium, Accumulation, Hyaline Droplet	45 [2.7]	42 [2.7]	19 [1.3]	35 [1.5]
Respiratory Epithelium, Atrophy			1 [2.0]	
Respiratory Epithelium, Hyperplasia	1 [1.0]	1 [1.0]	22 [1.1]	15 [1.3]
Respiratory Epithelium, Metaplasia, Squamous		8 [1.0]	42 [2.0]	42 [1.9]
Respiratory Epithelium, Necrosis		4 [1.5]	28 [1.3]	32 [1.5]
Septum, Perforation			38	42
Turbinates, Atrophy			40 [1.2]	48 [2.7]
Trachea	(50)	(48)	(49)	(49)

SPECIAL SENSES SYSTEM

Eye	(50)	(48)	(49)	(50)
Cornea, Inflammation	1 [2.0]	1 [3.0]	1 [3.0]	
Harderian Gland	(50)	(46)	(49)	(50)

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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Hyperplasia Zymbal's Gland	(0)	3 [2.7] (0)	3 [3.7] (0)	(1)

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet		2 [2.5]	1 [3.0]	1 [2.0]
Hydronephrosis			1 [3.0]	
Infarct	3 [1.7]		1 [1.0]	6 [1.2]
Infiltration Cellular, Lymphocyte	1 [2.0]		1 [2.0]	1 [2.0]
Mineralization				1 [3.0]
Nephropathy	13 [1.0]	12 [1.2]	11 [1.1]	5 [1.0]
Artery, Inflammation	1 [2.0]		2 [1.5]	1 [2.0]
Cortex, Cyst	1 [1.0]		1 [1.0]	
Renal Tubule, Necrosis	2 [2.0]	1 [3.0]		
Urinary Bladder	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphocyte	1 [2.0]			

*** END OF REPORT ***

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