

Experiment Number: 20203 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 01/18/2013

Time Report Requested: 13:10:01

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

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

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 (2%)	1 (2%)	1 (2%)
Perforation				1 (2%)
Muscularis, Degeneration	1 (2%)			
Periesophageal Tissue, Inflammation			1 (2%)	
Gallbladder	(50)	(48)	(49)	(49)
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Inflammation		1 (2%)		
Intestine Large, Colon	(50)	(50)	(50)	(50)
Epithelium, Hyperplasia, Adenomatous				1 (2%)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(43)	(50)	(47)	(49)
Intestine Small, Ileum	(47)	(50)	(48)	(50)
Hyperplasia		1 (2%)		
Inflammation		1 (2%)		
Intestine Small, Jejunum	(45)	(50)	(49)	(50)
Angiectasis				1 (2%)
Inflammation, Granulomatous			1 (2%)	
Peyer's Patch, Hyperplasia, Lymphoid	1 (2%)			
Liver	(50)	(50)	(50)	(50)
Basophilic Focus	8 (16%)	13 (26%)	6 (12%)	6 (12%)
Clear Cell Focus	24 (48%)	17 (34%)	6 (12%)	1 (2%)

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

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Embolus Bacterial			3 (6%)	
Eosinophilic Focus	24 (48%)	27 (54%)	22 (44%)	13 (26%)
Fatty Change	2 (4%)	1 (2%)		1 (2%)
Fibrosis		1 (2%)		
Hematopoietic Cell Proliferation	2 (4%)	2 (4%)	6 (12%)	10 (20%)
Hemorrhage	1 (2%)			
Hepatodiaphragmatic Nodule		2 (4%)		1 (2%)
Infarct		1 (2%)		
Infiltration Cellular, Lymphocyte		1 (2%)	1 (2%)	1 (2%)
Inflammation	4 (8%)	1 (2%)	5 (10%)	12 (24%)
Mixed Cell Focus	9 (18%)	4 (8%)	5 (10%)	2 (4%)
Tension Lipidosis			1 (2%)	
Thrombosis		2 (4%)		
Bile Duct, Cyst	1 (2%)			
Hepatocyte, Necrosis	7 (14%)	12 (24%)	7 (14%)	4 (8%)
Hepatocyte, Vacuolization Cytoplasmic			1 (2%)	
Kupffer Cell, Hyperplasia	3 (6%)			
Mesentery	(1)	(4)	(2)	(1)
Inflammation			2 (100%)	
Fat, Necrosis	1 (100%)	4 (100%)		1 (100%)
Pancreas	(50)	(50)	(50)	(50)
Acinus, Atrophy				4 (8%)
Duct, Inflammation			1 (2%)	
Salivary Glands	(50)	(50)	(50)	(50)
Inflammation			1 (2%)	
Necrosis	1 (2%)			
Duct, Hyperplasia		1 (2%)		
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation	5 (10%)	3 (6%)	1 (2%)	2 (4%)
Ulcer	3 (6%)		2 (4%)	
Epithelium, Hyperplasia	5 (10%)	4 (8%)	2 (4%)	1 (2%)
Epithelium, Hyperplasia, Focal	1 (2%)			
Stomach, Glandular	(50)	(50)	(50)	(50)
Erosion	2 (4%)		1 (2%)	
Fungus			1 (2%)	
Inflammation	1 (2%)	2 (4%)	1 (2%)	

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Metaplasia, Squamous Epithelium, Mineralization		1 (2%)	1 (2%)	
Epithelium, Necrosis Glands, Hyperplasia	2 (4%)		1 (2%)	
Tooth Inflammation, Chronic Active	(0)	(1)	(0)	(1) (100%)
CARDIOVASCULAR SYSTEM				
Blood Vessel	(50)	(50)	(50)	(50)
Aorta, Inflammation			2 (4%)	1 (2%)
Carotid Artery, Inflammation				1 (2%)
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	15 (30%)	15 (30%)	11 (22%)	11 (22%)
Inflammation	1 (2%)	1 (2%)	2 (4%)	1 (2%)
Mineralization			1 (2%)	
Thrombosis			1 (2%)	
Artery, Inflammation	1 (2%)		2 (4%)	2 (4%)
Pericardium, Inflammation			1 (2%)	
Valve, Thrombosis	3 (6%)	1 (2%)		
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(50)	(50)
Atrophy			1 (2%)	1 (2%)
Degeneration, Cystic		1 (2%)		
Hyperplasia	2 (4%)	3 (6%)		3 (6%)
Hypertrophy	10 (20%)	8 (16%)	1 (2%)	2 (4%)
Necrosis			1 (2%)	
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia		1 (2%)	1 (2%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	22 (44%)	18 (36%)	19 (38%)	1 (2%)
Parathyroid Gland	(41)	(30)	(46)	(44)
Pituitary Gland	(49)	(50)	(49)	(50)

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B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Pars Distalis, Hyperplasia	2 (4%)			
Thyroid Gland	(50)	(50)	(50)	(50)
Inflammation			1 (2%)	
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Coagulating Gland	(1)	(0)	(0)	(0)
Epididymis	(50)	(50)	(50)	(50)
Granuloma Sperm	1 (2%)			
Preputial Gland	(50)	(50)	(50)	(50)
Ectasia	1 (2%)	4 (8%)	5 (10%)	4 (8%)
Inflammation		1 (2%)		
Prostate	(50)	(50)	(50)	(50)
Inflammation	1 (2%)	1 (2%)		
Seminal Vesicle	(50)	(50)	(50)	(50)
Dilatation				1 (2%)
Infiltration Cellular, Lymphocyte		1 (2%)		
Inflammation	1 (2%)	1 (2%)		1 (2%)
Testes	(50)	(50)	(50)	(50)
Germinal Epithelium, Degeneration	4 (8%)	3 (6%)	1 (2%)	
Germinal Epithelium, Mineralization	1 (2%)			
Interstitial Cell, Hyperplasia	2 (4%)	1 (2%)		2 (4%)
Tunic, Inflammation			1 (2%)	
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia	5 (10%)	42 (84%)	38 (76%)	46 (92%)
Infiltration Cellular, Plasma Cell	1 (2%)			
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 Atrophy	(50)	1 (33%) (50)	(50) 1 (2%)	(50) 1 (2%)
Hyperplasia, Lymphoid Infiltration Cellular, Plasma Cell Inflammation Necrosis	1 (2%)	1 (2%)	31 (62%) 24 (48%) 1 (2%) 1 (2%)	37 (74%) 41 (82%)
Lymph Node, Mesenteric Amyloid Deposition Atrophy Ectasia Fibrosis	(50)	(49) 1 (2%) 2 (4%) 1 (2%) 1 (2%)	(48) 1 (2%)	(50) 7 (14%)
Hematopoietic Cell Proliferation Hyperplasia, Lymphoid Inflammation	1 (2%) 3 (6%) 2 (4%)	3 (6%) 3 (6%) 1 (2%)	1 (2%) 1 (2%)	1 (2%)
Spleen Hematopoietic Cell Proliferation Infiltration Cellular, Plasma Cell Pigmentation, Hemosiderin	(50) 18 (36%)	(50) 25 (50%) 1 (2%)	(50) 29 (58%)	(50) 25 (50%) 2 (4%)
Lymphoid Follicle, Hyperplasia Red Pulp, Atrophy White Pulp, Atrophy	9 (18%) 2 (4%) 9 (18%)	14 (28%) 3 (6%) 7 (14%)	7 (14%) 1 (2%) 13 (26%)	1 (2%) 2 (4%)
Thymus Atrophy	(44) 44 (100%)	(49) 45 (92%)	(46) 45 (98%)	(48) 44 (92%)

INTEGUMENTARY SYSTEM

Mammary Gland	(0)	(2)	(0)	(1)
Skin Inflammation Ulcer	(50) 2 (4%) 1 (2%)	(50) 1 (2%)	(50) 1 (2%)	(50) 3 (6%)
Subcutaneous Tissue, Necrosis			1 (2%)	

MUSCULOSKELETAL SYSTEM

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Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion	1 (2%)	3 (6%)	1 (2%)	1 (2%)
Fibrous Dysplasia				1 (2%)
Tendon, Inflammation	1 (2%)			
Skeletal Muscle	(0)	(1)	(1)	(0)
Inflammation		1 (100%)	1 (100%)	

NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion		1 (2%)		
Edema, Multifocal			1 (2%)	
Hemorrhage			1 (2%)	
Inflammation			2 (4%)	
Necrosis		1 (2%)	1 (2%)	

RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Hemorrhage			1 (2%)	
Infiltration Cellular, Lymphocyte	1 (2%)			4 (8%)
Inflammation	1 (2%)		6 (12%)	5 (10%)
Thrombosis	1 (2%)	1 (2%)	1 (2%)	
Alveolar Epithelium, Hyperplasia	5 (10%)	4 (8%)	5 (10%)	1 (2%)
Alveolus, Infiltration Cellular, Histiocyte	2 (4%)	1 (2%)		
Bronchiole, Hyperplasia	1 (2%)	1 (2%)		
Mediastinum, Inflammation			2 (4%)	
Mediastinum, Necrosis			1 (2%)	
Nose	(50)	(49)	(50)	(50)
Foreign Body	1 (2%)	10 (20%)	16 (32%)	25 (50%)
Hemorrhage			1 (2%)	
Hyperostosis			28 (56%)	46 (92%)
Inflammation, Suppurative	14 (28%)	40 (82%)	49 (98%)	48 (96%)
Polyp, Inflammatory	3 (6%)			
Glands, Respiratory Epithelium, Hyperplasia	3 (6%)	8 (16%)	3 (6%)	1 (2%)

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B6C3F1 MICE MALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Lumen, Pigmentation		3 (6%)	4 (8%)	2 (4%)
Nasopharyngeal Duct, Degeneration			4 (8%)	9 (18%)
Nasopharyngeal Duct, Inflammation		1 (2%)	2 (4%)	4 (8%)
Nasopharyngeal Duct, Metaplasia, Squamous				1 (2%)
Nerve, Atrophy		26 (53%)	49 (98%)	50 (100%)
Olfactory Epithelium, Accumulation, Hyaline Droplet	37 (74%)	47 (96%)	3 (6%)	
Olfactory Epithelium, Atrophy	4 (8%)	24 (49%)	28 (56%)	3 (6%)
Olfactory Epithelium, Fibrosis		4 (8%)	37 (74%)	43 (86%)
Olfactory Epithelium, Metaplasia, Respiratory	11 (22%)	45 (92%)	49 (98%)	49 (98%)
Olfactory Epithelium, Metaplasia, Squamous	1 (2%)		1 (2%)	
Olfactory Epithelium, Necrosis		2 (4%)	1 (2%)	
Respiratory Epithelium, Accumulation, Hyaline Droplet	49 (98%)	49 (100%)	34 (68%)	5 (10%)
Respiratory Epithelium, Hyperplasia	5 (10%)	20 (41%)	10 (20%)	19 (38%)
Respiratory Epithelium, Metaplasia, Squamous		14 (29%)	39 (78%)	46 (92%)
Respiratory Epithelium, Necrosis		7 (14%)	16 (32%)	27 (54%)
Septum, Perforation	1 (2%)		26 (52%)	37 (74%)
Squamous Epithelium, Necrosis		1 (2%)		
Turbinate, Atrophy			41 (82%)	50 (100%)
Trachea	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Eye	(50)	(50)	(50)	(50)
Cornea, Inflammation	1 (2%)			
Optic Nerve, Demyelination				1 (2%)
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia	3 (6%)	1 (2%)	4 (8%)	1 (2%)
Inflammation			1 (2%)	
Necrosis			1 (2%)	

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
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Accumulation, Hyaline Droplet		1 (2%)		
Cyst		1 (2%)		
Hydronephrosis				1 (2%)
Infarct	5 (10%)	3 (6%)	7 (14%)	4 (8%)
Infiltration Cellular, Lymphocyte	1 (2%)		1 (2%)	
Infiltration Cellular, Plasma Cell		1 (2%)		
Inflammation			2 (4%)	
Nephropathy	38 (76%)	41 (82%)	35 (70%)	42 (84%)
Artery, Inflammation				1 (2%)
Cortex, Cyst	3 (6%)	1 (2%)	2 (4%)	2 (4%)
Pelvis, Inflammation		2 (4%)		
Renal Tubule, Hyperplasia	2 (4%)	2 (4%)		
Renal Tubule, Necrosis		2 (4%)		
Vein, Inflammation, Chronic Active			1 (2%)	
Urinary Bladder	(50)	(50)	(50)	(50)
Calculus Gross Observation		1 (2%)		

*** END OF MALE ***

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

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%)	1 (2%)	1 (2%)
Perforation	2 (4%)	4 (8%)		
Muscularis, Necrosis		1 (2%)		
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%)
Intestine Small, Ileum	(49)	(46)	(49)	(48)
Hyperplasia			1 (2%)	
Ulcer			1 (2%)	
Serosa, Inflammation				1 (2%)
Intestine Small, Jejunum	(48)	(43)	(49)	(48)
Peyer's Patch, Hyperplasia, Lymphoid	2 (4%)	1 (2%)	1 (2%)	
Serosa, Inflammation				1 (2%)
Liver	(50)	(50)	(50)	(50)
Angiectasis		1 (2%)		1 (2%)
Basophilic Focus	5 (10%)	1 (2%)	2 (4%)	5 (10%)
Clear Cell Focus	3 (6%)	1 (2%)		
Eosinophilic Focus	23 (46%)	14 (28%)	8 (16%)	3 (6%)

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Fatty Change	4 (8%)	1 (2%)		
Hematopoietic Cell Proliferation	3 (6%)	1 (2%)	7 (14%)	3 (6%)
Hemorrhage	1 (2%)			
Infiltration Cellular, Lymphocyte	5 (10%)	2 (4%)	6 (12%)	4 (8%)
Inflammation	6 (12%)	3 (6%)	6 (12%)	5 (10%)
Mixed Cell Focus	4 (8%)	1 (2%)	2 (4%)	1 (2%)
Pigmentation	4 (8%)	1 (2%)		
Bile Duct, Cyst			1 (2%)	
Hepatocyte, Necrosis	8 (16%)	4 (8%)	3 (6%)	3 (6%)
Kupffer Cell, Hyperplasia	1 (2%)			1 (2%)
Serosa, Fibrosis				1 (2%)
Serosa, Inflammation				1 (2%)
Mesentery	(6)	(0)	(3)	(2)
Artery, Inflammation			1 (33%)	
Fat, Necrosis	5 (83%)		1 (33%)	2 (100%)
Pancreas	(50)	(49)	(50)	(50)
Cyst		1 (2%)		
Inflammation				1 (2%)
Acinus, Atrophy		1 (2%)	1 (2%)	1 (2%)
Salivary Glands	(50)	(48)	(49)	(48)
Artery, Inflammation		1 (2%)		
Stomach, Forestomach	(49)	(49)	(50)	(49)
Erosion		1 (2%)		
Inflammation		1 (2%)		
Mineralization		1 (2%)		
Epithelium, Hyperplasia		1 (2%)	1 (2%)	2 (4%)
Stomach, Glandular	(49)	(48)	(49)	(49)
Erosion				1 (2%)
Inflammation			1 (2%)	
Mineralization				1 (2%)
Ulcer				1 (2%)
Epithelium, Pigmentation		1 (2%)		
Serosa, Inflammation				1 (2%)
Tongue	(0)	(0)	(0)	(2)

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B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
<hr/>				
CARDIOVASCULAR SYSTEM				
Blood Vessel	(50)	(50)	(50)	(50)
Inflammation		1 (2%)		
Aorta, Inflammation			2 (4%)	
Aorta, Mineralization				1 (2%)
Carotid Artery, Inflammation			1 (2%)	
Heart	(50)	(49)	(50)	(50)
Cardiomyopathy	12 (24%)	9 (18%)	5 (10%)	8 (16%)
Infiltration Cellular, Lymphocyte		1 (2%)		
Inflammation	1 (2%)			
Mineralization		1 (2%)		1 (2%)
Artery, Degeneration				1 (2%)
Artery, Inflammation		1 (2%)		1 (2%)
Valve, Thrombosis		1 (2%)		
<hr/>				
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(50)	(50)
Hematopoietic Cell Proliferation			1 (2%)	
Hypertrophy		1 (2%)	3 (6%)	1 (2%)
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia			1 (2%)	2 (4%)
Islets, Pancreatic	(50)	(49)	(50)	(50)
Hyperplasia	1 (2%)	3 (6%)		
Parathyroid Gland	(35)	(40)	(41)	(35)
Pituitary Gland	(50)	(48)	(49)	(50)
Pars Distalis, Hyperplasia	2 (4%)	3 (6%)	1 (2%)	
Thyroid Gland	(50)	(48)	(49)	(49)
Infiltration Cellular, Lymphocyte				1 (2%)
C-cell, Hyperplasia	1 (2%)			1 (2%)
<hr/>				
GENERAL BODY SYSTEM				

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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 (2%)		1 (2%)	1 (2%)
Cyst	3 (6%)	11 (22%)	6 (12%)	4 (8%)
Hyperplasia, Tubular				1 (2%)
Thrombosis	1 (2%)		2 (4%)	
Corpus Luteum, Hyperplasia		1 (2%)		
Uterus	(50)	(50)	(50)	(50)
Angiectasis	2 (4%)		1 (2%)	2 (4%)
Inflammation				1 (2%)
Thrombosis	1 (2%)			
Endometrium, Hyperplasia, Cystic	32 (64%)	28 (56%)	19 (38%)	25 (50%)
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Hyperplasia	6 (12%)	11 (22%)	41 (82%)	34 (68%)
Lymph Node	(5)	(5)	(3)	(2)
Hyperplasia			1 (33%)	
Lumbar, Inflammation			1 (33%)	
Mediastinal, Hyperplasia, Lymphoid	1 (20%)			1 (50%)
Renal, Ectasia	2 (40%)	1 (20%)		
Lymph Node, Mandibular	(50)	(48)	(49)	(48)
Atrophy	3 (6%)	4 (8%)		
Hyperplasia, Lymphoid		1 (2%)	8 (16%)	12 (25%)
Infiltration Cellular, Plasma Cell			31 (63%)	18 (38%)
Lymph Node, Mesenteric	(50)	(49)	(50)	(50)
Atrophy	1 (2%)	1 (2%)	6 (12%)	5 (10%)
Ectasia	1 (2%)			
Hyperplasia, Lymphoid	2 (4%)			
Infiltration Cellular, Plasma Cell	1 (2%)			1 (2%)

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

Experiment Number: 20203 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 01/18/2013

Time Report Requested: 13:10:01

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

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 (70%)	34 (69%)	38 (76%)	30 (60%)
Necrosis		1 (2%)		
Pigmentation, Hemosiderin	2 (4%)	5 (10%)	3 (6%)	2 (4%)
Lymphoid Follicle, Hyperplasia	19 (38%)	13 (27%)	14 (28%)	8 (16%)
White Pulp, Atrophy	8 (16%)	10 (20%)	7 (14%)	6 (12%)
Thymus	(47)	(49)	(49)	(50)
Atrophy	32 (68%)	28 (57%)	27 (55%)	30 (60%)
Hyperplasia, Lymphoid	6 (13%)	4 (8%)	8 (16%)	4 (8%)
Necrosis	2 (4%)	4 (8%)	1 (2%)	1 (2%)
INTEGUMENTARY SYSTEM				
Mammary Gland	(50)	(50)	(50)	(50)
Skin	(50)	(50)	(50)	(50)
Ulcer	1 (2%)			
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion	12 (24%)	15 (30%)	8 (16%)	23 (46%)
Periosteum, Fibrosis		1 (2%)		
Skeletal Muscle	(4)	(0)	(0)	(3)
NERVOUS SYSTEM				
Brain	(50)	(49)	(50)	(50)
Necrosis	3 (6%)			1 (2%)
Arteriole, Inflammation				1 (2%)
RESPIRATORY SYSTEM				
Lung	(50)	(49)	(50)	(50)

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

B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Infiltration Cellular, Lymphocyte	3 (6%)	1 (2%)	3 (6%)	5 (10%)
Inflammation		1 (2%)	2 (4%)	
Thrombosis		1 (2%)		
Alveolar Epithelium, Hyperplasia	6 (12%)	3 (6%)	3 (6%)	2 (4%)
Serosa, Inflammation	3 (6%)	5 (10%)	1 (2%)	1 (2%)
Nose	(48)	(48)	(50)	(50)
Foreign Body	4 (8%)	8 (17%)	13 (26%)	17 (34%)
Hyperostosis			21 (42%)	48 (96%)
Infiltration Cellular, Histiocyte				1 (2%)
Inflammation, Suppurative	4 (8%)	24 (50%)	44 (88%)	47 (94%)
Glands, Respiratory Epithelium, Hyperplasia	3 (6%)			
Lumen, Pigmentation		19 (40%)	3 (6%)	16 (32%)
Nasopharyngeal Duct, Degeneration			2 (4%)	4 (8%)
Nasopharyngeal Duct, Inflammation			1 (2%)	3 (6%)
Nerve, Atrophy		13 (27%)	47 (94%)	48 (96%)
Olfactory Epithelium, Accumulation, Hyaline Droplet	41 (85%)	41 (85%)	3 (6%)	
Olfactory Epithelium, Atrophy		18 (38%)	26 (52%)	17 (34%)
Olfactory Epithelium, Fibrosis		1 (2%)	39 (78%)	43 (86%)
Olfactory Epithelium, Metaplasia, Respiratory	2 (4%)	36 (75%)	49 (98%)	48 (96%)
Olfactory Epithelium, Necrosis		2 (4%)	1 (2%)	
Respiratory Epithelium, Accumulation, Hyaline Droplet	45 (94%)	42 (88%)	19 (38%)	35 (70%)
Respiratory Epithelium, Atrophy			1 (2%)	
Respiratory Epithelium, Hyperplasia	1 (2%)	1 (2%)	22 (44%)	15 (30%)
Respiratory Epithelium, Metaplasia, Squamous		8 (17%)	42 (84%)	42 (84%)
Respiratory Epithelium, Necrosis		4 (8%)	28 (56%)	32 (64%)
Septum, Perforation			38 (76%)	42 (84%)
Turbinate, Atrophy			40 (80%)	48 (96%)
Trachea	(50)	(48)	(49)	(49)

SPECIAL SENSES SYSTEM

Eye	(50)	(48)	(49)	(50)
Cornea, Inflammation	1 (2%)	1 (2%)	1 (2%)	
Harderian Gland	(50)	(46)	(49)	(50)

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Experiment Number: 20203 - 04

Test Type: CHRONIC

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P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 01/18/2013

Time Report Requested: 13:10:01

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

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
Hyperplasia Zymbal's Gland	(0)	3 (7%) (0)	3 (6%) (0)	(1)
<hr/>				
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet		2 (4%)	1 (2%)	1 (2%)
Hydronephrosis			1 (2%)	
Infarct	3 (6%)		1 (2%)	6 (12%)
Infiltration Cellular, Lymphocyte	1 (2%)		1 (2%)	1 (2%)
Mineralization				1 (2%)
Nephropathy	13 (26%)	12 (24%)	11 (22%)	5 (10%)
Artery, Inflammation	1 (2%)		2 (4%)	1 (2%)
Cortex, Cyst	1 (2%)		1 (2%)	
Renal Tubule, Necrosis	2 (4%)	1 (2%)		
Urinary Bladder	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphocyte	1 (2%)			

*** END OF REPORT ***

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