

Experiment Number: 10260 - 02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1/N

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)
2-Hydroxy-4-methoxybenzophenone
CAS Number: 131-57-7

Date Report Requested: 02/14/2017
Time Report Requested: 15:26:56
First Dose M/F: 07/16/10 / 07/15/10
Lab: BAT

Final 1_Mice

NTP Study Number: C10260
Lock Date: 10/09/2013
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

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B6C3F1/N MICE MALE	0 ppm	1000 ppm	3000 ppm	10000 ppm
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	2	1	2	
Natural Death	13	9	5	8
Survivors				
Terminal Sacrifice	34	40	43	42
Other	1			
Animals Examined Microscopically	49	50	50	50

ALIMENTARY SYSTEM

Esophagus	(49)	(50)	(50)	(50)
Gallbladder	(48)	(47)	(49)	(50)
Calculus Micro Observation Only		1 (2%)		
Intestine Large, Cecum	(49)	(50)	(50)	(50)
Ulcer			1 (2%)	
Intestine Large, Colon	(49)	(50)	(50)	(50)
Intestine Large, Rectum	(49)	(50)	(49)	(50)
Serosa, Inflammation, Chronic Active	1 (2%)			
Intestine Small, Duodenum	(48)	(50)	(50)	(49)
Intestine Small, Ileum	(49)	(49)	(50)	(50)
Peyer's Patch, Hyperplasia	1 (2%)			
Serosa, Inflammation, Chronic Active	1 (2%)			
Intestine Small, Jejunum	(49)	(50)	(50)	(50)
Inflammation, Chronic Active	2 (4%)			
Ulcer		1 (2%)		
Peyer's Patch, Hyperplasia	1 (2%)	1 (2%)		1 (2%)
Serosa, Inflammation, Chronic Active	1 (2%)			
Liver	(49)	(50)	(50)	(50)
Angiectasis	1 (2%)		1 (2%)	
Basophilic Focus	5 (10%)	4 (8%)	3 (6%)	2 (4%)
Clear Cell Focus	12 (24%)	14 (28%)	6 (12%)	8 (16%)
Congestion, Chronic			1 (2%)	
Eosinophilic Focus	7 (14%)	7 (14%)	10 (20%)	5 (10%)

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

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B6C3F1/N MICE MALE	0 ppm	1000 ppm	3000 ppm	10000 ppm
Extramedullary Hematopoiesis	3 (6%)		4 (8%)	
Hepatodiaphragmatic Nodule	1 (2%)			1 (2%)
Infiltration Cellular, Mononuclear Cell	11 (22%)	16 (32%)	10 (20%)	8 (16%)
Inflammation, Multifocal, Chronic Active	1 (2%)			
Mixed Cell Focus	3 (6%)	4 (8%)	4 (8%)	3 (6%)
Necrosis			1 (2%)	1 (2%)
Pigment	2 (4%)	1 (2%)		
Tension Lipidosis	3 (6%)	3 (6%)	3 (6%)	2 (4%)
Centrilobular, Degeneration	1 (2%)			2 (4%)
Hepatocyte, Cellular Alteration		6 (12%)	3 (6%)	1 (2%)
Hepatocyte, Fatty Change	6 (12%)	5 (10%)	3 (6%)	1 (2%)
Hepatocyte, Increased Mitoses	1 (2%)			
Hepatocyte, Necrosis, Focal	5 (10%)	9 (18%)	9 (18%)	10 (20%)
Hepatocyte, Syncytial Alteration	2 (4%)	39 (78%)	45 (90%)	48 (96%)
Kupffer Cell, Hyperplasia	1 (2%)			
Mesentery	(1)	(4)	(3)	(2)
Inflammation, Granulomatous				1 (50%)
Inflammation, Chronic Active		2 (50%)		
Artery, Inflammation, Chronic Active			1 (33%)	1 (50%)
Fat, Necrosis		1 (25%)	1 (33%)	
Lymphatic, Congestion		1 (25%)		
Pancreas	(49)	(50)	(49)	(50)
Acinus, Atrophy	1 (2%)	3 (6%)	3 (6%)	1 (2%)
Acinus, Basophilic Focus	3 (6%)	1 (2%)	1 (2%)	1 (2%)
Acinus, Eosinophilic Focus				1 (2%)
Duct, Cyst		1 (2%)		
Salivary Glands	(49)	(50)	(50)	(50)
Atrophy	1 (2%)		1 (2%)	
Stomach, Forestomach	(49)	(50)	(50)	(50)
Ulcer	2 (4%)	1 (2%)	1 (2%)	
Epithelium, Hyperplasia, Focal		2 (4%)		
Epithelium, Hyperplasia, Diffuse	1 (2%)	1 (2%)		
Stomach, Glandular	(46)	(50)	(48)	(50)
Glands, Atrophy			1 (2%)	
Tooth	(45)	(48)	(43)	(46)
Dysplasia	45 (100%)	47 (98%)	43 (100%)	46 (100%)

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B6C3F1/N MICE MALE	0 ppm	1000 ppm	3000 ppm	10000 ppm
CARDIOVASCULAR SYSTEM				
Blood Vessel	(47)	(49)	(50)	(50)
Aorta, Degeneration, Hyaline				1 (2%)
Aorta, Mineral		2 (4%)		
Heart	(49)	(50)	(50)	(50)
Cardiomyopathy	3 (6%)	3 (6%)	6 (12%)	5 (10%)
Fibrosis	1 (2%)			
Mineral	1 (2%)			
Artery, Inflammation, Chronic Active	1 (2%)	1 (2%)	2 (4%)	
Atrium, Thrombus	1 (2%)			
Valve, Thrombus		1 (2%)		
Venule, Inflammation, Granulomatous, Focal				1 (2%)
ENDOCRINE SYSTEM				
Adrenal Cortex	(48)	(49)	(50)	(49)
Accessory Adrenal Cortical Nodule	3 (6%)	2 (4%)		1 (2%)
Hyperplasia, Focal	4 (8%)	2 (4%)	1 (2%)	1 (2%)
Hypertrophy, Focal	22 (46%)	16 (33%)	19 (38%)	19 (39%)
Subcapsular, Hyperplasia	1 (2%)		2 (4%)	1 (2%)
Adrenal Medulla	(48)	(49)	(50)	(49)
Hyperplasia, Focal	2 (4%)	2 (4%)	1 (2%)	2 (4%)
Islets, Pancreatic	(47)	(50)	(48)	(50)
Hyperplasia	29 (62%)	31 (62%)	25 (52%)	20 (40%)
Parathyroid Gland	(32)	(32)	(43)	(42)
Cyst			1 (2%)	1 (2%)
Pituitary Gland	(45)	(45)	(49)	(48)
Pars Distalis, Cyst	3 (7%)	1 (2%)	1 (2%)	2 (4%)
Pars Distalis, Hyperplasia, Focal	2 (4%)	8 (18%)	3 (6%)	2 (4%)
Pars Intermedia, Hyperplasia, Focal			1 (2%)	
Thyroid Gland	(49)	(49)	(50)	(50)
C-cell, Hyperplasia		1 (2%)		
Follicle, Cyst	4 (8%)	1 (2%)		

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Follicle, Degeneration	11 (22%)	14 (29%)	11 (22%)	10 (20%)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(49)	(50)	(50)	(50)
Inflammation, Granulomatous		3 (6%)		
Inflammation, Chronic Active	1 (2%)			
Artery, Inflammation, Chronic Active			1 (2%)	
Preputial Gland	(49)	(50)	(50)	(50)
Inflammation, Chronic Active	3 (6%)	1 (2%)		1 (2%)
Bilateral, Duct, Cyst	1 (2%)	3 (6%)	5 (10%)	5 (10%)
Bilateral, Duct, Dilatation	30 (61%)	36 (72%)	29 (58%)	34 (68%)
Duct, Cyst	16 (33%)	11 (22%)	14 (28%)	10 (20%)
Duct, Dilatation	17 (35%)	10 (20%)	16 (32%)	11 (22%)
Prostate	(49)	(49)	(50)	(50)
Inflammation, Chronic Active	1 (2%)	1 (2%)		
Artery, Inflammation, Chronic Active			1 (2%)	
Seminal Vesicle	(49)	(50)	(50)	(50)
Dilatation		2 (4%)		
Inflammation, Granulomatous				1 (2%)
Inflammation, Chronic Active	1 (2%)			
Testes	(49)	(50)	(50)	(50)
Inflammation, Granulomatous				1 (2%)
Germ Cell, Degeneration	1 (2%)	2 (4%)		1 (2%)
Germinal Epithelium, Atrophy		2 (4%)		2 (4%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(47)	(48)	(48)	(50)
Angiectasis			1 (2%)	

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Hypercellularity	9 (19%)	10 (21%)	12 (25%)	12 (24%)
Pigment	3 (6%)	2 (4%)	9 (19%)	50 (100%)
Thrombus			1 (2%)	1 (2%)
Lymph Node	(3)	(3)	(0)	(0)
Mediastinal, Ectasia		1 (33%)		
Mediastinal, Inflammation, Granulomatous		1 (33%)		
Lymph Node, Mandibular	(47)	(50)	(49)	(48)
Extramedullary Hematopoiesis			1 (2%)	
Hyperplasia, Lymphoid	1 (2%)			
Infiltration Cellular, Histiocyte		2 (4%)		
Lymph Node, Mesenteric	(44)	(47)	(46)	(47)
Angiectasis			1 (2%)	
Extramedullary Hematopoiesis	1 (2%)			
Infiltration Cellular, Histiocyte		1 (2%)		
Infiltration Cellular, Polymorphonuclear				2 (4%)
Inflammation, Chronic Active		2 (4%)		
Spleen	(48)	(50)	(49)	(50)
Angiectasis		1 (2%)	1 (2%)	1 (2%)
Extramedullary Hematopoiesis	26 (54%)	27 (54%)	21 (43%)	19 (38%)
Hyperplasia, Lymphoid	12 (25%)	11 (22%)	11 (22%)	7 (14%)
Pigment	4 (8%)	5 (10%)	10 (20%)	17 (34%)
Thrombus			1 (2%)	
Red Pulp, Atrophy		1 (2%)		
White Pulp, Atrophy	3 (6%)	1 (2%)		2 (4%)
Thymus	(45)	(45)	(48)	(48)
Atrophy		2 (4%)	1 (2%)	2 (4%)
Ectopic Parathyroid Gland		1 (2%)		
Hyperplasia, Atypical, Lymphoid				1 (2%)
Hyperplasia, Lymphoid		2 (4%)	1 (2%)	
Inflammation, Suppurative		1 (2%)		
Inflammation, Granulomatous				1 (2%)
Epithelial Cell, Hyperplasia	1 (2%)	3 (7%)	5 (10%)	1 (2%)

INTEGUMENTARY SYSTEM

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Mammary Gland	(2)	(3)	(4)	(2)
Skin	(49)	(50)	(50)	(50)
Subcutaneous Tissue, Inflammation, Focal, Chronic Active	1 (2%)			
MUSCULOSKELETAL SYSTEM				
Bone	(49)	(50)	(50)	(50)
Fibro-Osseous Lesion		2 (4%)	1 (2%)	
Increased Bone				2 (4%)
NERVOUS SYSTEM				
Brain	(49)	(50)	(50)	(50)
Artery, Infiltration Cellular, Mononuclear Cell			1 (2%)	
Artery, Inflammation, Chronic Active			2 (4%)	
Cerebellum, Thrombus		1 (2%)		
Cerebrum, Degeneration, Focal				1 (2%)
Choroid Plexus, Mineral		1 (2%)		
Neuron, Necrosis	1 (2%)			
RESPIRATORY SYSTEM				
Lung	(49)	(50)	(50)	(50)
Extramedullary Hematopoiesis	1 (2%)			
Infiltration Cellular, Histiocyte		1 (2%)		
Infiltration Cellular, Lymphocyte	28 (57%)	36 (72%)	33 (66%)	27 (54%)
Inflammation, Chronic Active	3 (6%)	1 (2%)	2 (4%)	
Thrombus	2 (4%)			
Alveolar Epithelium, Hyperplasia	3 (6%)	4 (8%)	1 (2%)	5 (10%)
Lymphatic, Congestion		1 (2%)		
Mediastinum, Congestion		1 (2%)		
Mediastinum, Inflammation, Chronic Active		1 (2%)		
Nose	(49)	(50)	(50)	(50)

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Inflammation, Focal, Acute	1 (2%)			
Inflammation, Acute	3 (6%)	1 (2%)	1 (2%)	
Glands, Olfactory Epithelium, Hyperplasia, Focal	2 (4%)		1 (2%)	3 (6%)
Glands, Respiratory Epithelium, Hyperplasia, Focal				1 (2%)
Olfactory Epithelium, Metaplasia, Respiratory, Focal	14 (29%)	14 (28%)	14 (28%)	12 (24%)
Respiratory Epithelium, Accumulation, Hyaline Droplet				1 (2%)
Respiratory Epithelium, Hyperplasia, Focal	46 (94%)	44 (88%)	39 (78%)	45 (90%)
Trachea	(49)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Eye	(49)	(50)	(50)	(50)
Phthisis Bulbi	1 (2%)			
Cornea, Inflammation, Chronic	1 (2%)			
Cornea, Inflammation, Chronic Active	1 (2%)			
Lens, Cataract		6 (12%)	1 (2%)	2 (4%)
Harderian Gland	(49)	(49)	(50)	(50)
Atrophy				1 (2%)
Degeneration				1 (2%)
Hyperplasia, Focal	3 (6%)	3 (6%)	5 (10%)	3 (6%)
Inflammation, Chronic Active	2 (4%)	2 (4%)		

URINARY SYSTEM

Kidney	(48)	(50)	(50)	(50)
Cyst	10 (21%)	12 (24%)	19 (38%)	9 (18%)
Infarct	4 (8%)	6 (12%)	11 (22%)	3 (6%)
Infiltration Cellular, Lymphocyte	40 (83%)	40 (80%)	43 (86%)	46 (92%)
Metaplasia, Osseous	5 (10%)	3 (6%)	1 (2%)	1 (2%)
Mineral		3 (6%)		
Nephropathy, Chronic Progressive	41 (85%)	48 (96%)	48 (96%)	50 (100%)
Thrombus		1 (2%)		

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Artery, Inflammation, Chronic Active			1 (2%)	
Glomerulus, Amyloid Deposition		1 (2%)		
Glomerulus, Hyperplasia, Focal		1 (2%)		
Pelvis, Dilation	1 (2%)	3 (6%)		1 (2%)
Renal Tubule, Accumulation, Hyaline Droplet	1 (2%)	1 (2%)		
Renal Tubule, Cytoplasmic Alteration				46 (92%)
Renal Tubule, Dilation, Diffuse				1 (2%)
Renal Tubule, Hyperplasia, Focal	3 (6%)	3 (6%)	2 (4%)	3 (6%)
Renal Tubule, Hypertrophy, Focal	2 (4%)			
Ureter	(0)	(1)	(0)	(0)
Inflammation, Acute		1 (100%)		
Urethra	(1)	(0)	(0)	(0)
Angiectasis	1 (100%)			
Urinary Bladder	(49)	(50)	(50)	(50)

*** END OF MALE ***

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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	1	5	2	1
Natural Death	7	6	4	3
Survivors				
Natural Death		1		
Terminal Sacrifice	42	38	44	46
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(48)	(49)	(50)
Gallbladder	(50)	(50)	(49)	(50)
Calculus Micro Observation Only			1 (2%)	
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid			1 (2%)	
Intestine Large, Colon	(50)	(50)	(50)	(50)
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Inflammation, Suppurative				1 (2%)
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Inflammation, Suppurative				1 (2%)
Liver	(50)	(50)	(50)	(50)
Angiectasis	1 (2%)			
Basophilic Focus	4 (8%)	2 (4%)	3 (6%)	1 (2%)
Clear Cell Focus	1 (2%)	1 (2%)	2 (4%)	1 (2%)
Eosinophilic Focus	4 (8%)	1 (2%)	5 (10%)	2 (4%)
Extramedullary Hematopoiesis	1 (2%)	1 (2%)	2 (4%)	
Hematocyst				1 (2%)
Hepatodiaphragmatic Nodule			1 (2%)	
Infiltration Cellular, Mononuclear Cell	35 (70%)	40 (80%)	38 (76%)	40 (80%)
Mixed Cell Focus		3 (6%)	4 (8%)	2 (4%)
Necrosis				1 (2%)

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Pigment	2 (4%)		1 (2%)	
Tension Lipidosis	4 (8%)		1 (2%)	1 (2%)
Bile Duct, Cyst	1 (2%)			
Bile Duct, Cyst, Multiple		1 (2%)		
Centrilobular, Degeneration		1 (2%)		
Hepatocyte, Cellular Alteration	1 (2%)	1 (2%)		
Hepatocyte, Degeneration	1 (2%)			
Hepatocyte, Fatty Change		1 (2%)	1 (2%)	
Hepatocyte, Increased Mitoses				1 (2%)
Hepatocyte, Intrahepatocellular Erythrocytes	1 (2%)			1 (2%)
Hepatocyte, Necrosis, Focal	7 (14%)	1 (2%)	2 (4%)	4 (8%)
Mesentery	(9)	(3)	(2)	(6)
Inflammation, Chronic Active	1 (11%)			1 (17%)
Thrombus				1 (17%)
Artery, Inflammation, Chronic Active	1 (11%)			2 (33%)
Artery, Mineral		1 (33%)		
Fat, Necrosis	6 (67%)		1 (50%)	
Pancreas	(49)	(49)	(50)	(50)
Degeneration			1 (2%)	
Acinus, Atrophy	3 (6%)		3 (6%)	2 (4%)
Acinus, Basophilic Focus	1 (2%)	2 (4%)	3 (6%)	1 (2%)
Acinus, Hypertrophy, Focal	1 (2%)			
Artery, Inflammation, Chronic Active			1 (2%)	
Duct, Cyst	1 (2%)	1 (2%)		1 (2%)
Duct, Inflammation, Chronic Active				1 (2%)
Salivary Glands	(49)	(49)	(50)	(50)
Atrophy	2 (4%)			
Inflammation, Chronic Active				1 (2%)
Stomach, Forestomach	(49)	(50)	(50)	(50)
Inflammation, Chronic Active	1 (2%)			
Epithelium, Hyperplasia, Focal	1 (2%)		2 (4%)	
Stomach, Glandular	(49)	(48)	(49)	(50)
Cytoplasmic Alteration	1 (2%)			
Inflammation, Granulomatous	1 (2%)			
Epithelium, Degeneration		1 (2%)		
Epithelium, Mineral			1 (2%)	

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Muscularis, Mineral Tooth Dysplasia	(6) 6 (100%)	1 (2%) (8) 8 (100%)	1 (2%) (8) 8 (100%)	(6) 6 (100%)

CARDIOVASCULAR SYSTEM

Blood Vessel	(50)	(50)	(50)	(50)
Aorta, Mineral	1 (2%)	1 (2%)	1 (2%)	
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	2 (4%)	3 (6%)		2 (4%)
Artery, Inflammation, Chronic Active	1 (2%)		1 (2%)	2 (4%)
Myocardium, Mineral			1 (2%)	
Valve, Hemorrhage	1 (2%)			

ENDOCRINE SYSTEM

Adrenal Cortex	(50)	(50)	(50)	(50)
Accessory Adrenal Cortical Nodule	9 (18%)	2 (4%)	2 (4%)	4 (8%)
Degeneration, Fatty			2 (4%)	3 (6%)
Extramedullary Hematopoiesis		1 (2%)		1 (2%)
Hyperplasia, Focal	2 (4%)	1 (2%)	1 (2%)	2 (4%)
Hypertrophy, Focal	3 (6%)			2 (4%)
Necrosis	1 (2%)			
Subcapsular, Hyperplasia	2 (4%)	2 (4%)	2 (4%)	3 (6%)
Adrenal Medulla	(50)	(50)	(48)	(50)
Hyperplasia, Focal		2 (4%)	1 (2%)	2 (4%)
Islets, Pancreatic	(49)	(49)	(49)	(49)
Atrophy				2 (4%)
Hyperplasia	11 (22%)	3 (6%)	4 (8%)	7 (14%)
Parathyroid Gland	(21)	(37)	(34)	(21)
Cyst			1 (3%)	
Inflammation, Chronic Active				1 (5%)
Pituitary Gland	(47)	(49)	(47)	(50)
Pars Distalis, Cyst		3 (6%)	1 (2%)	1 (2%)
Pars Distalis, Hyperplasia, Focal	15 (32%)	24 (49%)	14 (30%)	17 (34%)

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Experiment Number: 10260 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

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

2-Hydroxy-4-methoxybenzophenone

CAS Number: 131-57-7

Date Report Requested: 02/14/2017

Time Report Requested: 15:26:56

First Dose M/F: 07/16/10 / 07/15/10

Lab: BAT

B6C3F1/N MICE FEMALE	0 ppm	1000 ppm	3000 ppm	10000 ppm
Pars Distalis, Pigment			1 (2%)	
Pars Intermedia, Hyperplasia, Focal			1 (2%)	
Pars Nervosa, Cyst				1 (2%)
Thyroid Gland	(48)	(49)	(48)	(48)
Ectopic Thymus		3 (6%)		
Infiltration Cellular, Lymphocyte			1 (2%)	1 (2%)
Inflammation, Chronic Active			1 (2%)	3 (6%)
C-cell, Hyperplasia			2 (4%)	2 (4%)
Follicle, Cyst			1 (2%)	1 (2%)
Follicle, Degeneration	20 (42%)	30 (61%)	18 (38%)	20 (42%)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(50)	(46)	(47)	(49)
Bilateral, Duct, Cyst		1 (2%)	1 (2%)	
Bilateral, Duct, Dilatation	41 (82%)	34 (74%)	34 (72%)	37 (76%)
Duct, Cyst	2 (4%)	4 (9%)		
Duct, Dilatation	7 (14%)	10 (22%)	12 (26%)	12 (24%)
Ovary	(48)	(50)	(48)	(50)
Angiectasis		1 (2%)		2 (4%)
Atrophy	47 (98%)	49 (98%)	47 (98%)	47 (94%)
Cyst	9 (19%)	5 (10%)	9 (19%)	7 (14%)
Cyst, Epithelial				2 (4%)
Hyperplasia, Tubular				1 (2%)
Thrombus	1 (2%)		1 (2%)	
Corpus Luteum, Hyperplasia			1 (2%)	1 (2%)
Paraovarian Tissue, Cyst	1 (2%)	3 (6%)	1 (2%)	1 (2%)
Uterus	(49)	(50)	(50)	(50)
Angiectasis	2 (4%)		4 (8%)	2 (4%)
Atrophy	2 (4%)			
Inflammation, Suppurative	1 (2%)		1 (2%)	2 (4%)

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Thrombus				1 (2%)
Endometrium, Hyperplasia, Cystic	44 (90%)	47 (94%)	44 (88%)	48 (96%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(49)	(50)	(50)	(50)
Hypercellularity	10 (20%)	10 (20%)	8 (16%)	12 (24%)
Pigment	6 (12%)			50 (100%)
Lymph Node	(7)	(4)	(3)	(3)
Hyperplasia, Lymphoid	1 (14%)		1 (33%)	
Mediastinal, Extramedullary Hematopoiesis				1 (33%)
Mediastinal, Pigment				1 (33%)
Lymph Node, Mandibular	(46)	(49)	(47)	(49)
Extramedullary Hematopoiesis			1 (2%)	2 (4%)
Hyperplasia, Lymphoid	1 (2%)	2 (4%)	1 (2%)	1 (2%)
Infiltration Cellular, Histiocyte	1 (2%)			
Infiltration Cellular, Mast Cell	1 (2%)			
Pigment				2 (4%)
Lymph Node, Mesenteric	(45)	(49)	(47)	(46)
Angiectasis				2 (4%)
Ectasia		3 (6%)		
Extramedullary Hematopoiesis	1 (2%)	1 (2%)		1 (2%)
Hemorrhage		1 (2%)		
Hyperplasia, Lymphoid	2 (4%)	1 (2%)	1 (2%)	2 (4%)
Infiltration Cellular, Histiocyte	1 (2%)	1 (2%)		1 (2%)
Infiltration Cellular, Plasma Cell	2 (4%)			
Inflammation, Chronic Active	1 (2%)			1 (2%)
Spleen	(49)	(50)	(49)	(50)
Extramedullary Hematopoiesis	30 (61%)	37 (74%)	31 (63%)	24 (48%)
Hyperplasia, Lymphoid	11 (22%)	10 (20%)	11 (22%)	8 (16%)
Necrosis	1 (2%)			
Pigment	12 (24%)	10 (20%)	36 (73%)	38 (76%)
Red Pulp, Atrophy			1 (2%)	
White Pulp, Atrophy			1 (2%)	
Thymus	(48)	(50)	(48)	(47)

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Angiectasis		1 (2%)		
Atrophy		4 (8%)	1 (2%)	
Ectopic Parathyroid Gland	1 (2%)		1 (2%)	
Hyperplasia, Lymphoid	5 (10%)	6 (12%)	4 (8%)	3 (6%)
Hyperplasia, Diffuse	1 (2%)			
Infiltration Cellular, Mast Cell				1 (2%)
Pigment			1 (2%)	
Epithelial Cell, Hyperplasia			1 (2%)	

INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(50)	(50)	(50)
Hyperplasia	3 (6%)	4 (8%)	3 (6%)	7 (14%)
Skin	(50)	(50)	(50)	(50)
Subcutaneous Tissue, Fibrosis		3 (6%)	3 (6%)	
Subcutaneous Tissue, Inflammation, Focal, Chronic Active			1 (2%)	

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion	23 (46%)	26 (52%)	25 (50%)	31 (62%)
Epiphysis, Degeneration	1 (2%)			
Skeletal Muscle	(3)	(1)	(0)	(0)

NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Developmental Malformation	1 (2%)			
Inflammation, Granulomatous, Focal			1 (2%)	
Artery, Infiltration Cellular, Lymphocyte			2 (4%)	
Artery, Inflammation, Chronic Active	1 (2%)		1 (2%)	2 (4%)
Cerebrum, Necrosis	1 (2%)			
Meninges, Infiltration Cellular, Lymphocyte	1 (2%)	1 (2%)		1 (2%)

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Meninges, Pigment		2 (4%)	1 (2%)	
Neuron, Necrosis		1 (2%)	4 (8%)	1 (2%)
Venule, Infiltration Cellular, Lymphocyte				1 (2%)
Peripheral Nerve	(0)	(1)	(0)	(0)
Infiltration Cellular, Polymorphonuclear		1 (100%)		
Axon, Degeneration		1 (100%)		
Spinal Cord	(0)	(1)	(0)	(0)
Gliosis, Focal		1 (100%)		
Axon, Degeneration		1 (100%)		
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Infiltration Cellular, Lymphocyte	38 (76%)	30 (60%)	41 (82%)	36 (72%)
Inflammation, Chronic Active			1 (2%)	
Alveolar Epithelium, Hyperplasia	1 (2%)	3 (6%)	3 (6%)	2 (4%)
Artery, Inflammation, Chronic Active	1 (2%)			
Artery, Mineral			1 (2%)	
Bronchiole, Hyperplasia				1 (2%)
Bronchiole, Mineral			1 (2%)	
Vein, Infiltration Cellular, Polymorphonuclear		1 (2%)		
Nose	(50)	(50)	(50)	(50)
Foreign Body				1 (2%)
Inflammation, Acute	1 (2%)	1 (2%)		1 (2%)
Glands, Hyperplasia, Focal		1 (2%)		
Glands, Olfactory Epithelium, Hyperplasia, Focal				1 (2%)
Olfactory Epithelium, Metaplasia, Respiratory, Focal	5 (10%)	11 (22%)	7 (14%)	12 (24%)
Respiratory Epithelium, Accumulation, Hyaline Droplet				2 (4%)
Respiratory Epithelium, Hyperplasia, Focal	46 (92%)	46 (92%)	44 (88%)	43 (86%)
Trachea	(49)	(49)	(50)	(50)
Mineral			1 (2%)	

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SPECIAL SENSES SYSTEM				
Eye	(49)	(50)	(50)	(50)
Atrophy		1 (2%)		
Phthisis Bulbi		2 (4%)		
Bilateral, Cornea, Inflammation, Chronic Active			1 (2%)	
Cornea, Inflammation, Chronic Active		1 (2%)		
Lens, Cataract	2 (4%)	2 (4%)	3 (6%)	1 (2%)
Retina, Dysplasia		1 (2%)		
Harderian Gland	(49)	(50)	(50)	(50)
Atrophy				1 (2%)
Hyperplasia, Focal	1 (2%)	2 (4%)		3 (6%)
URINARY SYSTEM				
Kidney	(49)	(50)	(50)	(50)
Accumulation, Hyaline Droplet				1 (2%)
Cyst	2 (4%)			3 (6%)
Infarct	3 (6%)	5 (10%)	4 (8%)	
Infiltration Cellular, Lymphocyte	47 (96%)	42 (84%)	44 (88%)	43 (86%)
Metaplasia, Osseous		1 (2%)	3 (6%)	5 (10%)
Mineral	1 (2%)	1 (2%)		
Nephropathy, Chronic Progressive	45 (92%)	46 (92%)	47 (94%)	46 (92%)
Pigment				1 (2%)
Artery, Inflammation, Chronic Active	1 (2%)			1 (2%)
Renal Tubule, Accumulation, Hyaline Droplet	1 (2%)	2 (4%)	1 (2%)	1 (2%)
Renal Tubule, Dilatation, Diffuse				1 (2%)
Renal Tubule, Pigment				3 (6%)
Renal Tubule, Regeneration				3 (6%)
Urinary Bladder	(50)	(50)	(49)	(50)

*** END OF REPORT ***

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