

Experiment Number: 20006 - 04

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

Date Report Requested: 06/15/2012

Test Type: CHRONIC

Indole-3-carbinol

Time Report Requested: 12:41:18

Route: GAVAGE

CAS Number: 700-06-1

First Dose M/F: 04/03/07 / 04/02/07

Species/Strain: MICE/B6C3F1

Lab: BAT

F1_M3

NTP Study Number: C20006B
Lock Date: 03/08/2010
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: NONE

Test Type: CHRONIC

Indole-3-carbinol

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Route: GAVAGE

CAS Number: 700-06-1

First Dose M/F: 04/03/07 / 04/02/07

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Accidentally Killed				1
Dosing Accident			1	
Moribund Sacrifice	17	12	11	9
Natural Death	6	7	6	8
Survivors				
Natural Death	1			
Terminal Sacrifice	26	31	32	32
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Mineralization			1 [2.0]	
Gallbladder	(50)	(50)	(49)	(48)
Atrophy				1 [1.0]
Inflammation, Suppurative				1 [1.0]
Intestine Large, Cecum	(50)	(50)	(50)	(50)
Ulcer		1 [3.0]		1 [4.0]
Intestine Large, Colon	(50)	(50)	(50)	(50)
Inflammation, Chronic				1 [3.0]
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Inflammation, Chronic		1 [3.0]		
Intestine Small, Duodenum	(50)	(50)	(50)	(50)
Ulcer				1 [4.0]
Epithelium, Atrophy				1 [3.0]
Intestine Small, Ileum	(50)	(50)	(50)	(50)
Intestine Small, Jejunum	(50)	(50)	(49)	(50)
Atrophy	1 [3.0]			
Inflammation, Suppurative	1 [1.0]			
Lymphangiectasis	1 [2.0]			
Peyer's Patch, Hyperplasia		1 [2.0]	1 [2.0]	1 [2.0]
Liver	(50)	(50)	(49)	(50)

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	62.5 mg/kg	125 mg/kg	250 mg/kg
Basophilic Focus	2	4	2	5
Clear Cell Focus	7	17	22	20
Eosinophilic Focus	29	35	35	33
Fatty Change	29 [1.7]	27 [1.5]	28 [1.5]	37 [1.6]
Hepatodiaphragmatic Nodule		1		1
Inflammation, Chronic				1 [3.0]
Mixed Cell Focus	1	6	6	5
Necrosis	3 [2.7]	2 [2.0]	2 [2.0]	2 [2.0]
Necrosis, Multifocal	1 [3.0]			
Artery, Thrombosis				1
Bile Duct, Hyperplasia				1 [3.0]
Oval Cell, Hyperplasia				1 [2.0]
Periportal, Fibrosis				1 [3.0]
Mesentery	(7)	(3)	(2)	(2)
Fat, Necrosis	4 [2.3]		2 [1.5]	2 [2.0]
Oral Mucosa	(0)	(1)	(0)	(2)
Pancreas	(50)	(50)	(50)	(50)
Inflammation, Chronic				2 [3.5]
Acinus, Atrophy	1 [1.0]		1 [1.0]	
Duct, Cyst		1 [2.0]		
Salivary Glands	(50)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	23 [1.2]	30 [1.0]	27 [1.1]	22 [1.0]
Duct, Sublingual Gland, Hyperplasia			1 [1.0]	
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation, Chronic		1 [1.0]	4 [1.8]	1 [2.0]
Ulcer	6 [2.7]	5 [2.4]	7 [2.4]	1 [2.0]
Epithelium, Hyperplasia	2 [2.5]	2 [3.0]	4 [1.8]	2 [2.5]
Stomach, Glandular	(50)	(47)	(47)	(49)
Erosion	1 [2.0]			
Inflammation, Chronic	1 [1.0]	1 [1.0]	18 [1.0]	45 [1.0]
Mineralization	5 [1.4]	2 [1.5]		
Pigmentation		1 [1.0]	38 [1.0]	48 [1.1]
Epithelium, Atrophy				1 [3.0]
Epithelium, Hyperplasia		1 [1.0]	22 [1.2]	40 [1.5]
Tooth	(30)	(37)	(32)	(32)
Dysplasia	30 [2.2]	36 [2.6]	32 [2.5]	32 [1.6]

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

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Indole-3-carbinol

Time Report Requested: 12:41:18

Route: GAVAGE

CAS Number: 700-06-1

First Dose M/F: 04/03/07 / 04/02/07

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
CARDIOVASCULAR SYSTEM				
Blood Vessel	(49)	(50)	(49)	(49)
Adventitia, Pulmonary Vein, Infiltration Cellular, Polymorphonuclear	1 [1.0]			
Aorta, Mineralization		1 [2.0]		
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	11 [1.2]	7 [1.1]	18 [1.0]	8 [1.1]
Inflammation, Chronic	1 [1.0]			
Artery, Inflammation, Chronic	1 [2.0]			
Artery, Mineralization		1 [2.0]		
Myocardium, Mineralization		3 [2.3]		1 [1.0]
Valve, Inflammation				1 [4.0]
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)
Hyperplasia	1 [1.0]			1 [2.0]
Hypertrophy		4 [1.5]	2 [2.0]	
Vacuolization Cytoplasmic		2 [1.0]		
Adrenal Medulla	(50)	(50)	(50)	(50)
Hyperplasia	2 [1.0]		1 [1.0]	2 [1.0]
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	1 [1.0]		1 [3.0]	
Parathyroid Gland	(48)	(44)	(48)	(44)
Pituitary Gland	(50)	(50)	(50)	(50)
Cyst	2 [1.0]	1 [1.0]	1 [1.0]	1 [1.0]
Pars Intermedia, Hyperplasia		1 [1.0]		
Thyroid Gland	(50)	(50)	(50)	(50)
Inflammation, Chronic				1 [3.0]
Follicle, Cyst	1			
Follicle, Degeneration				1 [2.0]

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
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GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(1)	(0)	(0)	(0)
Epididymis	(50)	(50)	(50)	(50)
Angiectasis				1 [4.0]
Granuloma Sperm				1 [3.0]
Infiltration Cellular, Mononuclear Cell	1 [1.0]	6 [1.2]	3 [1.0]	5 [1.0]
Inflammation, Chronic		2 [2.5]		
Preputial Gland	(50)	(50)	(50)	(50)
Cyst	14 [2.0]	10 [1.9]	6 [2.0]	6 [2.0]
Inflammation, Suppurative	2 [2.0]			
Inflammation, Granulomatous		2 [1.5]		2 [2.0]
Prostate	(50)	(50)	(50)	(50)
Hyperplasia	2 [2.0]		1 [1.0]	1 [2.0]
Inflammation, Suppurative			1 [2.0]	
Inflammation, Chronic	1 [2.0]			1 [1.0]
Seminal Vesicle	(50)	(50)	(50)	(50)
Atrophy	1 [3.0]			
Testes	(50)	(50)	(50)	(50)
Inflammation, Granulomatous	1 [2.0]			
Inflammation, Chronic	1 [2.0]			
Mineralization	1 [2.0]			
Germinal Epithelium, Atrophy	2 [1.0]		3 [1.3]	3 [2.0]

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(2)	(2)	(0)	(4)
Mediastinal, Hyperplasia				1 [3.0]
Pancreatic, Inflammation				1 [4.0]

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Pancreatic, Necrosis		1 [4.0]		
Renal, Inflammation				1 [3.0]
Lymph Node, Mandibular	(50)	(50)	(50)	(50)
Hyperplasia, Lymphoid		1 [4.0]		1 [3.0]
Lymph Node, Mesenteric	(48)	(48)	(49)	(50)
Hematopoietic Cell Proliferation	1 [3.0]			
Hyperplasia, Lymphoid				2 [2.0]
Inflammation				1 [4.0]
Spleen	(50)	(50)	(50)	(50)
Accessory Spleen			1	
Atrophy				1 [2.0]
Hematopoietic Cell Proliferation	16 [1.9]	16 [2.3]	24 [1.8]	20 [2.1]
Necrosis	1 [3.0]			
Lymphoid Follicle, Atrophy	2 [3.0]			
Thymus	(49)	(47)	(46)	(45)
Atrophy	44 [3.1]	44 [2.7]	45 [3.0]	39 [3.3]
Ectopic Parathyroid Gland		1 [1.0]		1 [1.0]

INTEGUMENTARY SYSTEM

Mammary Gland	(2)	(0)	(0)	(0)
Skin	(50)	(50)	(50)	(50)
Ulcer	3 [3.0]	2 [3.0]	3 [3.0]	1 [3.0]
Subcutaneous Tissue, Inflammation, Acute			1 [3.0]	
Subcutaneous Tissue, Inflammation, Chronic			2 [2.5]	

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Hyperostosis			1 [1.0]	1 [1.0]
Skeletal Muscle	(0)	(0)	(2)	(0)

NERVOUS SYSTEM

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Brain	(50)	(50)	(50)	(50)
Meninges, Inflammation, Chronic		1 [1.0]		

RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Infiltration Cellular, Histiocyte		2 [2.5]		1 [3.0]
Inflammation, Chronic		1 [2.0]	1 [1.0]	1 [4.0]
Pigmentation, Hemosiderin		1 [2.0]		
Thrombosis			1	
Alveolar Epithelium, Hyperplasia	3 [1.7]	4 [1.0]	5 [1.4]	
Mediastinum, Inflammation, Granulomatous			1 [4.0]	
Nose	(50)	(50)	(50)	(50)
Foreign Body	3	1		3
Inflammation	15 [1.1]	11 [1.2]	12 [1.1]	16 [1.4]
Polyp, Inflammatory	1 [2.0]	2 [1.5]	3 [1.0]	1 [2.0]
Respiratory Metaplasia			1 [2.0]	
Nerve, Atrophy				8 [2.0]
Nerve, Olfactory Epithelium, Atrophy		1 [2.0]		
Olfactory Epithelium, Accumulation, Hyaline Droplet	4 [1.0]	4 [1.3]	5 [1.0]	5 [1.0]
Olfactory Epithelium, Atrophy	3 [2.0]	5 [1.6]	11 [1.4]	17 [1.5]
Olfactory Epithelium, Degeneration	1 [1.0]	1 [1.0]	4 [1.8]	2 [2.0]
Olfactory Epithelium, Metaplasia, Squamous				2 [2.5]
Olfactory Epithelium, Necrosis				6 [2.2]
Olfactory Epithelium, Respiratory Metaplasia	14 [1.1]	14 [1.3]	20 [1.5]	27 [1.4]
Respiratory Epithelium, Accumulation, Hyaline Droplet	18 [1.2]	34 [1.1]	30 [1.1]	26 [1.2]
Respiratory Epithelium, Hyperplasia	35 [1.0]	40 [1.2]	41 [1.2]	45 [1.3]
Respiratory Epithelium, Metaplasia, Squamous				1 [2.0]
Respiratory Epithelium, Necrosis				2 [1.5]
Trachea	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Eye	(50)	(50)	(50)	(50)
Phthisis Bulbi	1	1		
Anterior Chamber, Inflammation, Suppurative		1 [3.0]		1 [4.0]
Cornea, Inflammation, Suppurative		1 [3.0]		
Cornea, Inflammation, Chronic	2 [1.0]	3 [1.3]	2 [1.5]	1 [2.0]
Optic Nerve, Infiltration Cellular, Mononuclear Cell				1 [2.0]
Harderian Gland	(50)	(50)	(50)	(50)
Hyperplasia	1 [1.0]	4 [2.3]	5 [2.0]	3 [2.7]
Inflammation, Suppurative	1 [3.0]	1 [3.0]		
Inflammation, Chronic		1 [4.0]		

URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Infarct	3 [1.7]	2 [2.5]		
Inflammation, Acute		2 [2.5]		
Inflammation, Chronic	1 [2.0]			1 [3.0]
Metaplasia, Osseous	1 [1.0]	1 [1.0]	1 [1.0]	1 [2.0]
Mineralization	4 [1.8]	8 [1.4]	1 [1.0]	2 [1.0]
Nephropathy	42 [1.5]	50 [1.3]	45 [1.5]	43 [1.3]
Thrombosis		1		
Papilla, Necrosis	1 [2.0]			1 [2.0]
Pelvis, Inflammation, Suppurative	2 [2.0]	2 [2.5]	1 [2.0]	
Renal Tubule, Cyst	1 [1.0]	3 [1.7]	2 [1.5]	2 [1.0]
Renal Tubule, Hyperplasia			1 [1.0]	
Renal Tubule, Pigmentation	1 [2.0]	1 [2.0]	1 [3.0]	5 [1.4]
Renal Tubule, Vacuolization Cytoplasmic	1 [2.0]			
Urethra	(0)	(1)	(0)	(0)
Inflammation, Acute		1 [3.0]		
Urinary Bladder	(50)	(50)	(50)	(50)
Hemorrhage		1 [2.0]		
Inflammation, Chronic	1 [3.0]	2 [1.0]		

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Indole-3-carbinol

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE

0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

*** END OF MALE ***

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

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B6C3F1 MICE FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
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Disposition Summary

Animals Initially In Study	50	50	50	50
Early Deaths				
Dosing Accident	1			
Moribund Sacrifice	10	6	15	3
Natural Death	6	4	9	2
Survivors				
Moribund Sacrifice			1	
Terminal Sacrifice	33	40	25	45
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(50)
Gallbladder	(49)	(50)	(50)	(50)
Cyst		1 [1.0]		
Inflammation, Chronic	1 [2.0]			
Intestine Large, Cecum	(50)	(50)	(50)	(50)
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)
Ulcer	1 [4.0]			
Epithelium, Hyperplasia	1 [1.0]			
Intestine Small, Jejunum	(50)	(50)	(50)	(50)
Ulcer	1 [4.0]			
Liver	(50)	(50)	(50)	(50)
Angiectasis	1 [1.0]			
Basophilic Focus	4	6	7	5
Clear Cell Focus	3	2	1	1
Eosinophilic Focus	16	26	26	21
Fatty Change	36 [1.7]	39 [1.5]	35 [1.5]	40 [1.6]
Hematopoietic Cell Proliferation	2 [3.0]			
Hemorrhage		2 [1.0]		
Hepatodiaphragmatic Nodule				1

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Hyperplasia, Lymphoid Inflammation, Chronic		1 [3.0]		1 [3.0]
Mixed Cell Focus	2	4	5	1
Necrosis	1 [2.0]	1 [1.0]	1 [1.0]	
Bile Duct, Cyst Centrilobular, Necrosis		1 [2.0]	1 [4.0]	
Mesentery	(3)	(7)	(7)	(6)
Fat, Necrosis	3 [2.7]	6 [1.8]	7 [2.4]	5 [2.4]
Pancreas	(50)	(50)	(50)	(50)
Angiectasis		1 [1.0]		
Inflammation, Chronic	1 [2.0]	1 [2.0]		
Acinus, Atrophy				1 [1.0]
Acinus, Hyperplasia	1 [2.0]	2 [1.0]	1 [1.0]	
Duct, Cyst	1 [3.0]			
Salivary Glands	(50)	(49)	(50)	(50)
Hyperplasia	1 [1.0]			
Duct, Cyst				1 [3.0]
Stomach, Forestomach	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [1.0]			
Ulcer	9 [2.6]	4 [2.5]	8 [2.1]	3 [2.3]
Epithelium, Hyperplasia			1 [2.0]	
Stomach, Glandular	(48)	(50)	(49)	(50)
Erosion				1 [2.0]
Hyperplasia, Lymphoid	1 [2.0]			
Inflammation, Chronic		15 [1.0]	29 [1.1]	47 [1.3]
Mineralization	2 [1.0]		3 [1.7]	
Pigmentation		15 [1.0]	31 [1.2]	49 [1.9]
Epithelium, Hyperplasia	1 [2.0]	7 [1.3]	10 [1.2]	35 [1.4]
Tongue	(0)	(0)	(0)	(1)
Tooth	(6)	(9)	(9)	(11)
Dysplasia	6 [1.0]	9 [1.0]	9 [1.0]	10 [1.0]

CARDIOVASCULAR SYSTEM

Blood Vessel	(48)	(50)	(50)	(50)
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Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
Mineralization			1 [2.0]	
Aorta, Inflammation, Chronic				1 [2.0]
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	4 [1.3]	3 [1.3]	1 [1.0]	2 [1.0]
Inflammation, Chronic		1 [3.0]		
Artery, Inflammation, Chronic			1 [2.0]	1 [2.0]
Myocardium, Mineralization	2 [3.0]			1 [3.0]

ENDOCRINE SYSTEM

Adrenal Cortex	(49)	(50)	(50)	(50)
Hematopoietic Cell Proliferation	1 [3.0]			
Hyperplasia	1 [4.0]	1 [2.0]		
Inflammation, Chronic	1 [2.0]			
Necrosis		1 [2.0]		1 [1.0]
Vacuolization Cytoplasmic	1 [1.0]	1 [2.0]	1 [1.0]	
Adrenal Medulla	(49)	(50)	(50)	(50)
Hyperplasia	1 [2.0]	1 [2.0]	3 [1.7]	
Islets, Pancreatic	(50)	(50)	(50)	(50)
Hyperplasia	5 [1.0]	1 [1.0]	4 [2.3]	1 [1.0]
Parathyroid Gland	(43)	(48)	(49)	(46)
Pituitary Gland	(49)	(50)	(50)	(49)
Cyst		2 [1.0]		
Pars Distalis, Hyperplasia	5 [1.6]	18 [1.8]	6 [1.7]	4 [1.3]
Pars Distalis, Vacuolization Cytoplasmic				1 [1.0]
Pars Intermedia, Hyperplasia	1 [3.0]			
Thyroid Gland	(50)	(50)	(49)	(50)
Inflammation, Chronic			1 [2.0]	
Follicle, Hyperplasia				1 [2.0]

GENERAL BODY SYSTEM

Tissue NOS	(0)	(0)	(1)	(0)
Inflammation, Chronic			1 [1.0]	

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Test Type: CHRONIC

Indole-3-carbinol

Time Report Requested: 12:41:18

Route: GAVAGE

CAS Number: 700-06-1

First Dose M/F: 04/03/07 / 04/02/07

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg
GENITAL SYSTEM				
Clitoral Gland	(49)	(50)	(50)	(50)
Ovary	(50)	(50)	(50)	(50)
Angiectasis			1 [3.0]	1 [4.0]
Cyst	16	15	9	8
Inflammation, Chronic	1 [3.0]		1 [2.0]	
Mineralization			1 [1.0]	
Thrombosis	2		2	2
Uterus	(50)	(50)	(50)	(50)
Inflammation, Suppurative		1 [2.0]		
Inflammation, Chronic		4 [2.8]		
Metaplasia, Squamous			1 [2.0]	
Necrosis	1 [3.0]			
Endometrium, Hyperplasia, Cystic	36 [2.4]	32 [2.1]	30 [2.0]	34 [1.9]

HEMATOPOIETIC SYSTEM

Bone Marrow	(50)	(50)	(50)	(50)
Lymph Node	(9)	(5)	(6)	(1)
Lumbar, Ectasia	1 [3.0]			
Lumbar, Hemorrhage			1 [3.0]	
Renal, Ectasia	2 [3.0]	1 [3.0]	2 [2.5]	
Lymph Node, Mandibular	(50)	(49)	(50)	(50)
Lymph Node, Mesenteric	(49)	(49)	(49)	(49)
Spleen	(50)	(50)	(50)	(50)
Angiectasis	1 [2.0]			
Hematopoietic Cell Proliferation	30 [1.9]	30 [1.4]	27 [1.4]	23 [1.4]
Hyperplasia, Granulocytic			1 [3.0]	
Hyperplasia, Lymphoid		1 [3.0]		
Hyperplasia, Mast Cell				1 [3.0]
Pigmentation, Hemosiderin	1 [3.0]			
Lymphoid Follicle, Atrophy		1 [4.0]		
Lymphoid Follicle, Hyperplasia	2 [2.5]			

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Thymus	(49)	(50)	(50)	(50)
Atrophy	42 [2.3]	40 [1.9]	40 [2.0]	41 [1.7]
Hyperplasia		1 [3.0]		

INTEGUMENTARY SYSTEM

Mammary Gland	(50)	(50)	(50)	(50)
Inflammation, Chronic	1 [4.0]			
Skin	(50)	(50)	(50)	(50)
Ulcer	1 [3.0]		1 [3.0]	
Subcutaneous Tissue, Fibrosis	1 [4.0]			
Subcutaneous Tissue, Hemorrhage				1 [2.0]
Subcutaneous Tissue, Inflammation, Chronic			1 [2.0]	

MUSCULOSKELETAL SYSTEM

Bone	(50)	(50)	(50)	(50)
Fibro-Osseous Lesion	9 [1.2]	13 [1.2]	11 [1.3]	17 [1.3]
Fracture	1 [2.0]			
Skeletal Muscle	(0)	(1)	(2)	(0)

NERVOUS SYSTEM

Brain	(50)	(50)	(50)	(50)
Hemorrhage	1 [1.0]			
Inflammation, Granulomatous				1 [2.0]
Hypothalamus, Compression	2 [3.0]			
Meninges, Inflammation, Chronic		1 [4.0]		

RESPIRATORY SYSTEM

Lung	(50)	(50)	(50)	(50)
Hemorrhage				1 [2.0]

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First Dose M/F: 04/03/07 / 04/02/07

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Lab: BAT

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Hyperplasia, Lymphoid		1 [3.0]		
Inflammation, Chronic		1 [2.0]		
Metaplasia, Osseous			1 [1.0]	
Thrombosis	1			
Alveolar Epithelium, Hyperplasia	1 [1.0]	2 [1.0]	1 [2.0]	2 [1.0]
Alveolus, Infiltration Cellular, Histiocyte	1 [1.0]	1 [2.0]	1 [2.0]	1 [2.0]
Mediastinum, Inflammation, Chronic	1 [3.0]			
Nose	(50)	(50)	(50)	(50)
Foreign Body			1	2
Inflammation	4 [1.5]	1 [1.0]	8 [1.1]	39 [1.2]
Nerve, Atrophy			1 [2.0]	50 [3.0]
Nerve, Olfactory Epithelium, Atrophy	1 [1.0]	1 [1.0]		
Olfactory Epithelium, Accumulation, Hyaline Droplet	18 [1.2]	27 [1.0]	21 [1.1]	44 [2.1]
Olfactory Epithelium, Atrophy	1 [1.0]	2 [1.0]	3 [2.0]	45 [2.0]
Olfactory Epithelium, Degeneration			2 [2.0]	3 [3.0]
Olfactory Epithelium, Necrosis			2 [1.5]	
Olfactory Epithelium, Respiratory Metaplasia	7 [1.0]	8 [1.0]	16 [1.0]	49 [2.9]
Respiratory Epithelium, Accumulation, Hyaline Droplet	47 [1.4]	38 [1.1]	42 [1.1]	50 [2.4]
Respiratory Epithelium, Hyperplasia	32 [1.0]	31 [1.0]	38 [1.0]	50 [3.0]
Respiratory Epithelium, Metaplasia, Squamous	1 [1.0]			
Respiratory Epithelium, Necrosis	2 [1.0]		1 [1.0]	
Trachea	(50)	(50)	(50)	(50)

SPECIAL SENSES SYSTEM

Ear	(2)	(0)	(0)	(0)
Eye	(50)	(50)	(50)	(50)
Cornea, Inflammation, Chronic	1 [2.0]		1 [4.0]	1 [2.0]
Lens, Cataract		1 [3.0]	1 [4.0]	1 [3.0]
Harderian Gland	(50)	(50)	(50)	(50)
Dilatation				6 [1.3]
Hyperplasia	2 [2.0]	3 [1.7]	5 [2.2]	9 [1.6]
Infiltration Cellular, Mononuclear Cell	24 [1.0]	18 [1.1]	8 [1.0]	22 [1.0]

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URINARY SYSTEM

Kidney	(50)	(50)	(50)	(50)
Infarct	3 [1.7]		1 [3.0]	
Metaplasia, Osseous				1 [1.0]
Mineralization	4 [1.3]	3 [1.3]	4 [1.3]	
Nephropathy	24 [1.3]	25 [1.2]	19 [1.1]	20 [1.1]
Artery, Inflammation, Chronic				1 [3.0]
Renal Tubule, Accumulation, Hyaline Droplet				1 [2.0]
Renal Tubule, Cyst			1 [2.0]	1 [2.0]
Renal Tubule, Pigmentation	1 [1.0]			
Urinary Bladder	(50)	(50)	(50)	(50)
Infiltration Cellular, Mononuclear Cell	3 [1.0]			
Transitional Epithelium, Hyperplasia				1 [1.0]

*** END OF REPORT ***

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