

TDMS No. 05174 - 06

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

Date Report Reqsted: 05/03/2006

Test Type: CHRONIC

CRESOLS

Time Report Reqsted: 14:33:38

Route: DOSED FEED

CAS Number: 1319-77-3

First Dose M/F: NA / 08/20/02

Species/Strain: MICE/B6C3F1

Pathologist: BOYCE, J. - TOFT, J.

Lab: BAT

f1_M3_Females

C Number: C62260B
Lock Date: 01/21/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

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

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B6C3F1 MICE FEMALE	0 PPM	1000 PPM	3000 PPM	10000 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	4	4		1
Natural Death	5	3	5	7
Survivors				
Terminal Sacrifice	41	43	44	42
Missing			1	
Animals Examined Microscopically	50	50	49	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(49)	(50)
Gallbladder	(50)	(50)	(49)	(50)
Cyst		1 [4.0]		
Infiltration Cellular, Lymphoid	6 [1.0]	10 [1.0]	6 [1.0]	9 [1.0]
Inflammation, Chronic Active		1 [3.0]		
Intestine Large, Colon	(49)	(50)	(49)	(50)
Thrombosis	1 [2.0]			
Intestine Large, Rectum	(49)	(50)	(49)	(50)
Intestine Small, Ileum	(50)	(50)	(49)	(50)
Intestine Small, Jejunum	(50)	(50)	(49)	(50)
Inflammation, Chronic Active		1 [4.0]	1 [4.0]	
Epithelium, Ulcer			1 [4.0]	
Peyer's Patch, Hyperplasia, Lymphoid		2 [4.0]	1 [4.0]	
Liver	(50)	(50)	(49)	(50)
Angiectasis	1 [2.0]		1 [4.0]	1 [4.0]
Atrophy	1 [4.0]	1 [1.0]		
Basophilic Focus	3	1	3	1
Clear Cell Focus		1		1
Eosinophilic Focus	1		2	12
Hematopoietic Cell Proliferation		1 [1.0]	1 [1.0]	1 [2.0]
Infiltration Cellular, Lymphoid	40 [1.1]	43 [1.1]	39 [1.0]	42 [1.1]
Inflammation, Chronic Active	43 [1.1]	44 [1.2]	43 [1.0]	43 [1.0]
Mixed Cell Focus				1
Pigmentation	2 [2.5]			
Tension Lipidosis	8 [1.8]	3 [1.7]	6 [1.8]	8 [1.3]

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B6C3F1 MICE FEMALE	0 PPM	1000 PPM	3000 PPM	10000 PPM
Bile Duct, Cyst	1 [4.0]			1 [2.0]
Bile Duct, Cyst, Multiple				1 [2.0]
Centrilobular, Hepatocyte, Degeneration	1 [2.0]			
Hepatocyte, Necrosis	1 [1.0]	1 [3.0]	1 [3.0]	
Hepatocyte, Vacuolization Cytoplasmic	3 [1.3]	4 [2.3]	1 [2.0]	1 [4.0]
Mesentery	(6)	(3)	(5)	(5)
Fat, Infiltration Cellular, Lymphoid				1 [4.0]
Fat, Inflammation, Chronic Active		1 [4.0]		
Fat, Necrosis	4 [4.0]	2 [4.0]	1 [4.0]	1 [4.0]
Oral Mucosa	(0)	(1)	(0)	(0)
Gingival, Foreign Body		1		
Gingival, Inflammation, Chronic Active		1 [1.0]		
Pancreas	(50)	(50)	(49)	(50)
Basophilic Focus			1	1
Infiltration Cellular, Lymphoid	21 [1.1]	23 [1.1]	25 [1.2]	24 [1.1]
Inflammation, Chronic Active	1 [1.0]	3 [2.3]		
Polyarteritis		1 [2.0]		
Acinus, Atrophy	1 [4.0]	2 [2.5]	1 [1.0]	
Duct, Cyst	1 [4.0]	3 [3.3]	1 [4.0]	1 [2.0]
Duct, Cyst, Multiple		1 [4.0]		
Duct, Inflammation, Chronic Active		1 [3.0]		
Salivary Glands	(50)	(50)	(49)	(49)
Infiltration Cellular, Lymphoid	34 [1.3]	36 [1.1]	34 [1.1]	21 [1.2]
Stomach, Forestomach	(49)	(49)	(49)	(49)
Epithelium, Hyperplasia				2 [1.5]
Stomach, Glandular	(50)	(50)	(49)	(50)
Mineralization	2 [1.5]	3 [1.0]	3 [1.0]	1 [1.0]
Tooth	(2)	(0)	(2)	(0)
Malformation	1		1	
CARDIOVASCULAR SYSTEM				
Blood Vessel	(50)	(50)	(49)	(50)
Aorta, Mineralization		1 [2.0]		
Heart	(50)	(50)	(49)	(50)
Mineralization	2 [2.0]	1 [1.0]		1 [1.0]
Polyarteritis		1 [2.0]		
Valve, Inflammation, Chronic Active		1 [2.0]		

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Lab: BAT

B6C3F1 MICE FEMALE	0 PPM	1000 PPM	3000 PPM	10000 PPM
ENDOCRINE SYSTEM				
Adrenal Cortex	(49)	(50)	(49)	(50)
Accessory Adrenal Cortical Nodule	1 [1.0]			1 [2.0]
Hematopoietic Cell Proliferation		1 [2.0]		
Hypertrophy	1 [2.0]	1 [1.0]		1 [2.0]
Infiltration Cellular, Lymphoid				1 [1.0]
Vacuolization Cytoplasmic		2 [1.5]		1 [2.0]
Subcapsular, Hyperplasia	48 [2.0]	50 [2.0]	48 [2.0]	50 [2.0]
Adrenal Medulla	(49)	(50)	(49)	(50)
Hyperplasia	3 [2.7]			1 [2.0]
Islets, Pancreatic	(50)	(50)	(49)	(50)
Parathyroid Gland	(39)	(44)	(40)	(45)
Cyst	1 [2.0]	1 [2.0]		
Cyst, Multiple	1 [2.0]	1 [2.0]		
Bilateral, Cyst			1 [2.0]	
Pituitary Gland	(50)	(50)	(49)	(50)
Pars Distalis, Cyst, Multiple	1 [2.0]			
Pars Distalis, Hyperplasia	7 [2.0]	7 [1.6]	3 [1.7]	2 [1.5]
Thyroid Gland	(48)	(48)	(49)	(50)
Ectopic Thymus		1 [1.0]	1 [1.0]	2 [2.0]
Infiltration Cellular, Lymphoid		1 [2.0]		
Inflammation, Chronic Active			2 [1.0]	3 [1.3]
Polyarteritis		1 [2.0]		
Follicle, Cyst	1 [2.0]	1 [2.0]	2 [2.0]	3 [2.0]
Follicle, Degeneration	7 [2.0]	24 [1.8]	24 [1.8]	21 [1.8]
Follicular Cell, Hyperplasia	2 [1.0]			2 [2.0]

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(49)	(49)	(49)	(50)
Inflammation, Chronic Active	1 [3.0]		1 [4.0]	
Ovary	(50)	(50)	(49)	(50)
Angiectasis	1 [3.0]			1 [2.0]
Atrophy	49 [3.9]	49 [3.9]	47 [3.9]	47 [3.9]

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Cyst	14 [2.9]	9 [2.3]	3 [3.3]	8 [2.9]
Cyst, Multiple				1 [2.0]
Hemorrhage	1 [4.0]			
Thrombosis	1 [4.0]			
Bilateral, Cyst	1 [3.0]	1 [4.0]		1 [3.0]
Oviduct	(0)	(1)	(2)	(0)
Uterus	(50)	(50)	(49)	(50)
Inflammation, Suppurative	1 [2.0]		1 [3.0]	
Endometrium, Hyperplasia, Cystic	41 [2.6]	46 [2.4]	46 [2.5]	43 [2.6]
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(49)	(50)
Angiectasis	1 [2.0]		1 [2.0]	1 [3.0]
Hyperplasia	1 [3.0]	6 [4.0]	5 [3.8]	2 [4.0]
Myelofibrosis	23 [1.6]	33 [1.4]	18 [1.6]	25 [1.5]
Lymph Node	(2)	(5)	(7)	(7)
Bronchial, Hyperplasia, Lymphoid	1 [4.0]	1 [3.0]		
Iliac, Pigmentation		1 [2.0]		
Lumbar, Congestion				1 [2.0]
Lumbar, Ectasia				1 [3.0]
Mediastinal, Hyperplasia, Lymphoid			1 [4.0]	2 [3.5]
Lymph Node, Mandibular	(49)	(50)	(49)	(49)
Hyperplasia, Lymphoid	4 [4.0]	4 [3.8]	5 [3.6]	3 [2.7]
Hyperplasia, Plasma Cell			1 [4.0]	
Lymph Node, Mesenteric	(48)	(50)	(48)	(49)
Hyperplasia, Lymphoid	4 [3.8]		1 [4.0]	7 [2.7]
Hyperplasia, Plasma Cell	1 [3.0]			2 [3.5]
Spleen	(48)	(50)	(49)	(50)
Atrophy	1 [4.0]	1 [4.0]		
Hematopoietic Cell Proliferation	7 [2.9]	6 [3.5]	4 [3.0]	6 [3.3]
Lymphoid Follicle, Hyperplasia	14 [2.0]	13 [2.0]	16 [2.6]	12 [2.8]
Thymus	(50)	(49)	(49)	(50)
Ectopic Parathyroid Gland	8 [1.5]	10 [1.3]	6 [1.5]	4 [1.8]
Hyperplasia, Lymphoid	2 [3.0]			5 [3.0]
INTEGUMENTARY SYSTEM				
Mammary Gland	(49)	(50)	(49)	(50)

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B6C3F1 MICE FEMALE	0 PPM	1000 PPM	3000 PPM	10000 PPM
Hyperplasia Duct, Dilatation		1 [2.0]	1 [2.0]	1 [2.0]
Skin	(49)	(50)	(49)	(50)
Cyst Epithelial Inclusion		1		
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(49)	(50)
Osteopetrosis				1 [3.0]
Skeletal Muscle	(0)	(2)	(2)	(1)
Infiltration Cellular, Lymphoid		1 [2.0]	1 [2.0]	
NERVOUS SYSTEM				
Brain	(50)	(50)	(49)	(50)
Hydrocephalus		2 [3.0]		
Infiltration Cellular, Lymphoid	1 [1.0]	2 [1.5]	1 [2.0]	
Neuron, Necrosis	1 [1.0]			
RESPIRATORY SYSTEM				
Larynx	(0)	(1)	(0)	(1)
Lung	(50)	(50)	(49)	(50)
Hemorrhage	1 [3.0]			
Infiltration Cellular, Lymphoid			2 [2.0]	1 [3.0]
Infiltration Cellular, Polymorphonuclear		1 [4.0]		
Alveolar Epithelium, Hyperplasia		1 [2.0]		3 [2.7]
Alveolus, Infiltration Cellular, Histiocyte			1 [3.0]	1 [4.0]
Bronchiole, Hyperplasia		42 [1.0]	44 [2.0]	47 [3.0]
Nose	(50)	(50)	(49)	(49)
Edema				1 [3.0]
Inflammation, Chronic Active	1 [1.0]	1 [3.0]		1 [2.0]
Glands, Respiratory Epithelium, Dilatation				1 [3.0]
Glands, Respiratory Epithelium, Hyperplasia	6 [1.2]	5 [1.0]	8 [1.0]	10 [1.1]
Nasolacrimal Duct, Inflammation, Suppurative	2 [3.0]	1 [2.0]	2 [2.0]	

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Olfactory Epithelium, Degeneration				1 [2.0]
Respiratory Epithelium, Degeneration				1 [2.0]
Respiratory Epithelium, Hyperplasia			28 [1.3]	45 [2.2]
Respiratory Epithelium, Metaplasia, Squamous				2 [2.0]
Pleura	(0)	(1)	(0)	(0)
Trachea	(50)	(50)	(49)	(50)
SPECIAL SENSES SYSTEM				
Eye	(50)	(50)	(49)	(50)
Atrophy		1 [4.0]		
Harderian Gland	(50)	(50)	(48)	(50)
Hyperplasia	1 [2.0]	1 [2.0]	2 [2.0]	
Infiltration Cellular, Lymphoid	30 [1.2]	30 [1.0]	35 [1.1]	34 [1.2]
Inflammation, Chronic Active		1 [4.0]		
URINARY SYSTEM				
Kidney	(50)	(50)	(49)	(50)
Amyloid Deposition				1 [4.0]
Atrophy		1 [3.0]		
Casts Protein	29 [1.0]	25 [1.0]	19 [1.0]	25 [1.1]
Infarct	2 [3.5]	2 [2.5]	1 [2.0]	3 [2.7]
Infiltration Cellular, Lymphoid	43 [1.2]	47 [1.0]	43 [1.2]	44 [1.2]
Metaplasia, Osseous	2 [1.0]	4 [1.8]	4 [1.8]	2 [1.5]
Mineralization	2 [1.0]	8 [1.1]	3 [1.3]	3 [1.0]
Nephropathy	14 [1.1]	14 [1.1]	11 [1.0]	19 [1.1]
Cortex, Cyst				1 [1.0]
Renal Tubule, Accumulation, Hyaline Droplet	2 [4.0]	1 [4.0]	1 [3.0]	1 [4.0]
Renal Tubule, Pigmentation				1 [4.0]
Urinary Bladder	(50)	(50)	(49)	(50)
Infiltration Cellular, Lymphoid	36 [1.4]	35 [1.1]	43 [1.2]	42 [1.3]

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