

**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

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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Pathologist: BOYCE, J. - TOFT, J.

Lab: BAT

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

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B6C3F1 MICE FEMALE	0 PPM	1000 PPM	3000 PPM	10000 PPM
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]

\*\*\* END OF REPORT \*\*\*

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