

TDMS No. 05174 - 05

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

Date Report Reqsted: 04/10/2006

Test Type: CHRONIC

CRESOLS

Time Report Reqsted: 08:44:01

Route: DOSED FEED

CAS Number: 1319-77-3

First Dose M/F: 08/05/02 / NA

Species/Strain: RATS/F 344

Pathologist: BOYCE, J. - JOKINEN, M. - RYAN, M.

Lab: BAT

F1_R2Males

C Number: C62260B

Lock Date: 02/09/2005

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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FISCHER 344 RATS MALE	0 PPM	1500 PPM	5000 PPM	15000 PPM
Disposition Summary				
Animals Initially in Study	50	50	50	50
Early Deaths				
Moribund Sacrifice	12	10	9	14
Natural Death	5	6	8	5
Survivors				
Terminal Sacrifice	33	34	33	31
Animals Examined Microscopically	50	50	50	50

ALIMENTARY SYSTEM

Esophagus	(50)	(50)	(50)	(49)
Intestine Large, Cecum	(50)	(50)	(50)	(49)
Parasite Metazoan		1 [2.0]		
Intestine Large, Colon	(50)	(50)	(50)	(50)
Parasite Metazoan	4 [1.3]	3 [1.7]	3 [2.0]	2 [1.0]
Intestine Large, Rectum	(50)	(50)	(50)	(50)
Edema	1 [3.0]			
Parasite Metazoan	4 [1.3]	5 [1.4]	4 [1.8]	2 [2.0]
Intestine Small, Duodenum	(49)	(50)	(50)	(49)
Intestine Small, Ileum	(50)	(50)	(50)	(49)
Intestine Small, Jejunum	(50)	(50)	(50)	(49)
Liver	(50)	(50)	(50)	(50)
Angiectasis	5 [1.4]	5 [1.2]	7 [1.3]	14 [1.1]
Basophilic Focus	24	18	17	7
Clear Cell Focus	25	20	25	27
Degeneration, Cystic	7 [1.1]	9 [1.1]	12 [1.3]	9 [1.1]
Eosinophilic Focus	14	14	13	23
Fatty Change	17 [1.8]	20 [1.4]	9 [1.7]	8 [1.4]
Fibrosis	29 [1.1]	30 [1.1]	29 [1.1]	34 [1.0]
Hematopoietic Cell Proliferation	2 [2.0]	1 [2.0]		
Hepatodiaphragmatic Nodule	2	5	3	3
Inflammation	35 [1.0]	29 [1.1]	37 [1.1]	38 [1.1]
Mixed Cell Focus	5	3	3	2
Necrosis	1 [1.0]	3 [2.3]	1 [2.0]	2 [2.0]
Regeneration		2 [3.0]		
Tension Lipidosis			1	

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Bile Duct, Cyst	1 [1.0]	2 [1.0]	1 [1.0]	
Bile Duct, Hyperplasia	47 [1.9]	46 [2.0]	46 [2.0]	45 [1.7]
Centrilobular, Degeneration	3 [2.3]	5 [2.4]	3 [1.3]	4 [2.8]
Centrilobular, Necrosis	2 [2.5]		1 [2.0]	1 [3.0]
Hepatocyte, Hypertrophy	1 [3.0]			
Mesentery	(5)	(7)	(9)	(8)
Accessory Spleen		1	1	
Fat, Necrosis	4 [2.0]	6 [2.0]	8 [1.9]	7 [1.9]
Oral Mucosa	(0)	(1)	(0)	(2)
Inflammation		1 [1.0]		1 [1.0]
Pancreas	(49)	(50)	(50)	(49)
Acinus, Atrophy	18 [1.5]	18 [1.7]	16 [1.3]	12 [1.7]
Acinus, Hyperplasia	2 [2.0]		3 [2.0]	3 [1.3]
Artery, Inflammation		1 [2.0]		
Duct, Cyst	10 [1.3]	10 [1.7]	8 [1.6]	7 [1.6]
Salivary Glands	(49)	(50)	(50)	(49)
Submandibular Gland, Hyperplasia	1 [2.0]			
Stomach, Forestomach	(49)	(50)	(50)	(50)
Inflammation	3 [2.7]	1 [3.0]	1 [3.0]	2 [2.5]
Ulcer	2 [3.0]	2 [3.0]		
Epithelium, Hyperplasia				1 [1.0]
Stomach, Glandular	(49)	(50)	(50)	(50)
Inflammation	1 [2.0]			1 [2.0]
Ulcer			1 [3.0]	
Epithelium, Hyperplasia		1 [1.0]	1 [1.0]	
Tongue	(0)	(1)	(1)	(0)
CARDIOVASCULAR SYSTEM				
Heart	(50)	(50)	(50)	(50)
Cardiomyopathy	42 [1.9]	46 [1.6]	42 [1.6]	42 [1.6]
Atrium, Thrombosis	2 [3.0]	1 [3.0]		
Myocardium, Fibrosis		1 [2.0]		
Myocardium, Mineralization	1 [3.0]			
Ventricle, Thrombosis		1 [3.0]		
ENDOCRINE SYSTEM				
Adrenal Cortex	(50)	(50)	(50)	(50)

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Lab: BAT

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Angiectasis		1 [3.0]		
Hyperplasia	12 [1.7]	11 [1.2]	10 [1.2]	7 [1.6]
Necrosis	1 [2.0]		4 [2.3]	
Vacuolization Cytoplasmic	25 [1.4]	22 [1.3]	21 [1.2]	19 [1.3]
Adrenal Medulla	(50)	(50)	(50)	(50)
Angiectasis	2 [3.5]			
Hyperplasia	10 [2.3]	12 [1.9]	11 [1.4]	8 [1.5]
Infiltration Cellular, Lymphoid		1 [3.0]		
Necrosis	1 [4.0]			
Islets, Pancreatic	(49)	(50)	(50)	(49)
Hyperplasia	2 [1.5]	2 [1.5]	1 [1.0]	4 [1.5]
Parathyroid Gland	(46)	(50)	(49)	(46)
Hyperplasia				1 [2.0]
Pituitary Gland	(50)	(50)	(49)	(50)
Angiectasis	19 [1.9]	9 [2.4]	12 [2.3]	8 [2.3]
Cyst	5 [1.6]	5 [1.2]	7 [1.3]	6 [1.7]
Pars Distalis, Hyperplasia	14 [1.6]	13 [2.0]	14 [1.8]	12 [1.4]
Pars Intermedia, Hyperplasia				1 [1.0]
Thyroid Gland	(50)	(50)	(50)	(49)
Cyst	2 [1.0]	2 [1.0]		
C-cell, Hyperplasia	25 [1.4]	21 [1.6]	17 [1.6]	6 [1.2]
Follicular Cell, Cyst			4 [2.0]	
Follicular Cell, Hyperplasia	1 [1.0]	1 [1.0]	1 [1.0]	4 [1.8]
GENERAL BODY SYSTEM				
Tissue NOS	(0)	(0)	(0)	(1)
GENITAL SYSTEM				
Epididymis	(50)	(50)	(50)	(50)
Granuloma Sperm	1 [2.0]	1 [1.0]	1 [2.0]	
Inflammation			2 [1.5]	1 [2.0]
Preputial Gland	(50)	(50)	(50)	(49)
Cyst			1 [3.0]	
Hyperplasia		3 [2.3]	4 [1.8]	
Inflammation	47 [1.7]	49 [1.8]	45 [1.7]	44 [1.5]
Prostate	(50)	(50)	(50)	(50)
Atrophy			2 [1.5]	

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Cyst		1 [4.0]		
Hyperplasia	20 [1.6]	20 [1.4]	16 [1.2]	22 [1.3]
Inflammation	25 [1.6]	19 [1.5]	26 [1.4]	19 [1.5]
Seminal Vesicle	(50)	(50)	(50)	(50)
Atrophy		1 [2.0]	1 [3.0]	
Hyperplasia				1 [2.0]
Inflammation				1 [2.0]
Testes	(50)	(50)	(50)	(50)
Arteriole, Inflammation	1 [2.0]			
Germinal Epithelium, Atrophy	1 [4.0]	1 [4.0]		
Interstitial Cell, Hyperplasia				2 [2.0]
HEMATOPOIETIC SYSTEM				
Bone Marrow	(50)	(50)	(50)	(50)
Fibrosis	1 [2.0]			1 [3.0]
Hyperplasia	5 [1.6]	2 [2.0]	6 [2.7]	7 [2.1]
Necrosis	1 [3.0]			
Lymph Node	(4)	(5)	(5)	(4)
Mediastinal, Ectasia				1 [2.0]
Mediastinal, Hyperplasia, Lymphoid		1 [2.0]		
Pancreatic, Hyperplasia, Lymphoid			1 [1.0]	
Pancreatic, Pigmentation, Hemosiderin				1 [2.0]
Lymph Node, Mesenteric	(49)	(50)	(50)	(50)
Hyperplasia, Lymphoid				1 [2.0]
Spleen	(49)	(50)	(50)	(49)
Atrophy	1 [1.0]	2 [2.5]	3 [3.0]	2 [2.0]
Fibrosis	1 [2.0]		1 [1.0]	1 [1.0]
Hematopoietic Cell Proliferation	17 [1.3]	16 [1.3]	23 [1.5]	18 [1.3]
Infiltration Cellular, Histiocyte				1 [2.0]
Artery, Hyperplasia			1 [3.0]	
Artery, Inflammation			1 [4.0]	
Thymus	(47)	(43)	(47)	(48)
Atrophy	44 [3.8]	39 [3.8]	43 [3.8]	47 [3.7]
Cyst			1 [1.0]	1 [1.0]
Ectopic Parathyroid Gland				1 [1.0]

INTEGUMENTARY SYSTEM

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Mammary Gland	(49)	(50)	(50)	(49)
Hyperplasia	6 [1.7]	10 [1.6]	6 [1.2]	8 [1.4]
Skin	(50)	(50)	(50)	(50)
Cyst Epithelial Inclusion	1		1 [4.0]	
Hyperkeratosis	1 [2.0]	1 [1.0]		
Inflammation			2 [2.0]	
Epidermis, Hyperplasia			1 [3.0]	
Hair Follicle, Atrophy		1 [3.0]		
Subcutaneous Tissue, Metaplasia, Osseous			1 [2.0]	
Subcutaneous Tissue, Necrosis		1 [2.0]		
MUSCULOSKELETAL SYSTEM				
Bone	(50)	(50)	(50)	(50)
Hyperostosis				1 [2.0]
Joint, Inflammation	1 [1.0]			3 [1.7]
NERVOUS SYSTEM				
Brain	(50)	(50)	(50)	(50)
Hydrocephalus	7 [2.3]	4 [2.5]	4 [3.3]	4 [2.8]
Hypothalamus, Compression	6 [2.8]	4 [3.0]	4 [3.0]	4 [3.0]
RESPIRATORY SYSTEM				
Lung	(50)	(50)	(50)	(50)
Congestion			1 [3.0]	1 [2.0]
Fibrosis		1 [2.0]		
Inflammation	26 [1.2]	25 [1.0]	23 [1.0]	24 [1.3]
Metaplasia, Osseous		2 [1.0]	1 [1.0]	1 [1.0]
Metaplasia, Squamous			1 [2.0]	
Alveolar Epithelium, Hyperplasia	7 [1.7]	5 [1.2]	8 [1.6]	4 [1.5]
Nose	(50)	(50)	(50)	(50)
Hyperplasia				1 [2.0]
Inflammation	17 [1.5]	19 [1.6]	19 [1.3]	28 [1.4]
Goblet Cell, Hyperplasia	23 [1.1]	40 [1.1]	42 [1.2]	47 [1.6]
Respiratory Epithelium, Hyperplasia	3 [1.0]	17 [1.0]	31 [1.0]	47 [1.2]

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Respiratory Epithelium, Metaplasia, Squamous		1 [1.0]	8 [1.0]	40 [1.5]
Vein, Thrombosis			2 [3.0]	2 [2.0]
Trachea	(50)	(50)	(50)	(49)
Inflammation			1 [1.0]	
SPECIAL SENSES SYSTEM				
Eye	(49)	(50)	(50)	(50)
Cataract	1 [3.0]	3 [3.0]		1 [3.0]
Inflammation	1 [3.0]			
Choroid, Inflammation		1 [3.0]		
Optic Nerve, Atrophy		2 [3.0]		
Retina, Atrophy	1 [4.0]	4 [2.5]		1 [3.0]
Sclera, Metaplasia, Osseous	16 [1.4]	29 [1.4]	28 [1.4]	15 [1.5]
Harderian Gland	(49)	(50)	(50)	(50)
Atrophy			2 [1.0]	2 [1.5]
Cyst		1 [2.0]		
Hyperplasia	1 [1.0]			
Inflammation	1 [1.0]	6 [1.0]	5 [1.0]	3 [1.0]
Zymbal's Gland	(1)	(2)	(0)	(2)
URINARY SYSTEM				
Kidney	(50)	(50)	(50)	(50)
Accumulation, Hyaline Droplet	1 [1.0]			
Hydronephrosis			1 [4.0]	
Infarct	1 [1.0]		1 [3.0]	
Necrosis	2 [2.5]	1 [3.0]	1 [3.0]	4 [2.3]
Nephropathy	47 [1.4]	48 [1.4]	46 [1.7]	49 [2.1]
Capsule, Lymphangiectasis		1 [4.0]		
Renal Tubule, Cyst		2 [2.5]		
Renal Tubule, Hyperplasia	2 [1.0]			1 [2.0]
Renal Tubule, Inflammation			1 [1.0]	3 [1.0]
Renal Tubule, Mineralization				1 [2.0]
Transitional Epithelium, Hyperplasia			2 [2.0]	8 [1.9]
Ureter	(1)	(0)	(1)	(0)
Cyst			1 [4.0]	
Inflammation	1 [2.0]			

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Urinary Bladder Inflammation	(49) 1 [2.0]	(50)	(50) 1 [2.0]	(50)

*** END OF MALE ***

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