

TDMS No. 20304 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/SD

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

TEF evaluation (PCB 118)

CAS Number: 31508-00-6

Date Report Requested: 06/24/2008

Time Report Requested: 13:42:49

First Dose M/F: NA / 03/26/04

Lab: BAT

53 Wk_SSAC_R8

C Number: C20304

Lock Date: 10/12/2006

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25017 SSAC

Removal Date Range: 30-Mar-2005 - 30-Mar-2005

Treatment Groups: Include 001 0 UG/KG

Include 002 10 UG/KG

Include 003 30 UG/KG

Include 004 100 UG/KG

Include 005 220 UG/KG

Include 006 460 UG/KG

Include 007 1000 UG/KG

Include 008 4600 UG/KG

Study Gender: Female

TDMSE Version: 2.0.0

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	10 UG/KG	30 UG/KG	100 UG/KG	220 UG/KG	460 UG/KG
Disposition Summary						
Animals Initially in Study	80	30	30	80	80	80
Scheduled Sacrifice	8	8	10	8	8	8
Early Deaths						
Survivors						
Animals Examined Microscopically	8	8	10	8	8	8

ALIMENTARY SYSTEM

Liver	(8)	(8)	(10)	(8)	(8)	(8)
Cholangiofibrosis		1 (13%)				
Clear Cell Focus	1 (13%)	3 (38%)	2 (20%)	4 (50%)	2 (25%)	5 (63%)
Clear Cell Focus, Multiple	3 (38%)	1 (13%)	1 (10%)	1 (13%)	3 (38%)	
Eosinophilic Focus						
Eosinophilic Focus, Multiple						
Fatty Change, Diffuse						
Hepatodiaphragmatic Nodule						
Hyperplasia, Nodular						
Inflammation	8 (100%)	7 (88%)	8 (80%)	5 (63%)	8 (100%)	8 (100%)
Mixed Cell Focus	1 (13%)					1 (13%)
Mixed Cell Focus, Multiple						
Necrosis						1 (13%)
Pigmentation						4 (50%)
Toxic Hepatopathy						
Bile Duct, Cyst			1 (10%)	1 (13%)		
Bile Duct, Hyperplasia	1 (13%)					
Centrilobular, Degeneration						
Hepatocyte, Hypertrophy	2 (25%)		4 (40%)	5 (63%)	6 (75%)	7 (88%)
Hepatocyte, Multinucleated						
Oval Cell, Hyperplasia						
Pancreas	(8)	(8)	(10)	(8)	(8)	(8)
Basophilic Focus	1 (13%)					
Acinus, Vacuolization Cytoplasmic						
Stomach, Forestomach	(8)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(8)	(0)	(0)	(0)	(0)	(0)

CARDIOVASCULAR SYSTEM

None

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	10 UG/KG	30 UG/KG	100 UG/KG	220 UG/KG	460 UG/KG
ENDOCRINE SYSTEM						
Adrenal Cortex	(8)	(8)	(10)	(8)	(8)	(8)
Atrophy						
Degeneration, Cystic				1 (13%)		
Hyperplasia	1 (13%)					
Hypertrophy	5 (63%)	7 (88%)	6 (60%)	4 (50%)	5 (63%)	5 (63%)
Vacuolization Cytoplasmic	1 (13%)					
Adrenal Medulla	(8)	(8)	(10)	(8)	(8)	(8)
Pituitary Gland	(8)	(0)	(0)	(0)	(0)	(0)
Angiectasis	1 (13%)					
Pars Distalis, Hyperplasia	1 (13%)					
Thyroid Gland	(8)	(8)	(10)	(8)	(8)	(8)
C-cell, Hyperplasia	1 (13%)			1 (13%)		1 (13%)
Follicular Cell, Hypertrophy	1 (13%)		1 (10%)	1 (13%)	1 (13%)	5 (63%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Ovary	(8)	(0)	(0)	(0)	(0)	(0)
Uterus	(8)	(8)	(10)	(8)	(8)	(8)
Dilatation						1 (13%)
Inflammation		1 (13%)				
Inflammation, Suppurative	3 (38%)	1 (13%)	3 (30%)	4 (50%)	3 (38%)	3 (38%)
Metaplasia, Squamous	6 (75%)	5 (63%)	7 (70%)	7 (88%)	4 (50%)	4 (50%)
Endometrium, Hyperplasia, Cystic	4 (50%)	3 (38%)	6 (60%)	5 (63%)	4 (50%)	3 (38%)
Vagina	(8)	(0)	(0)	(0)	(0)	(0)
Inflammation, Chronic Active	1 (13%)					
Necrosis	1 (13%)					
HEMATOPOIETIC SYSTEM						
Spleen	(8)	(0)	(0)	(0)	(0)	(0)
Pigmentation	8 (100%)					
Thymus	(8)	(8)	(10)	(8)	(8)	(8)
Atrophy	8 (100%)	8 (100%)	10 (100%)	8 (100%)	8 (100%)	8 (100%)
Cyst	1 (13%)					

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INTEGUMENTARY SYSTEM						
Mammary Gland Cyst	(8)	(2) 2 (100%)	(2)	(1)	(2)	(0)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung Inflammation	(8) 1 (13%)	(8)	(10) 1 (10%)	(8)	(8)	(8)
Alveolar Epithelium, Hyperplasia Alveolar Epithelium, Metaplasia, Bronchiolar Alveolus, Infiltration Cellular, Histiocyte	2 (25%)	2 (25%)	4 (40%)	2 (25%)	3 (38%)	4 (50%)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney Infarct Nephropathy Pelvis, Dilatation Pelvis, Inflammation Transitional Epithelium, Hyperplasia	(0)	(1) 1 (100%) 1 (100%) 1 (100%) 1 (100%) 1 (100%)	(0)	(0)	(0)	(0)

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SPRAGUE-DAWLEY RATS FEMALE	1000 UG/KG	4600 UG/KG
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Disposition Summary

Animals Initially in Study	80	80
Scheduled Sacrifice	8	8
Early Deaths		
Survivors		
Animals Examined Microscopically	8	8

ALIMENTARY SYSTEM

Liver	(8)	(8)
Cholangiofibrosis		4 (50%)
Clear Cell Focus	2 (25%)	
Clear Cell Focus, Multiple	6 (75%)	
Eosinophilic Focus		3 (38%)
Eosinophilic Focus, Multiple		1 (13%)
Fatty Change, Diffuse		8 (100%)
Hepatodiaphragmatic Nodule	1 (13%)	
Hyperplasia, Nodular		3 (38%)
Inflammation	8 (100%)	8 (100%)
Mixed Cell Focus		
Mixed Cell Focus, Multiple	1 (13%)	7 (88%)
Necrosis	2 (25%)	1 (13%)
Pigmentation	7 (88%)	8 (100%)
Toxic Hepatopathy		8 (100%)
Bile Duct, Cyst		
Bile Duct, Hyperplasia		6 (75%)
Centrilobular, Degeneration	1 (13%)	
Hepatocyte, Hypertrophy	8 (100%)	8 (100%)
Hepatocyte, Multinucleated	1 (13%)	7 (88%)
Oval Cell, Hyperplasia		8 (100%)
Pancreas	(8)	(8)
Basophilic Focus		
Acinus, Vacuolization Cytoplasmic		8 (100%)
Stomach, Forestomach	(0)	(8)
Stomach, Glandular	(0)	(8)

CARDIOVASCULAR SYSTEM

None

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ENDOCRINE SYSTEM		
Adrenal Cortex	(8)	(8)
Atrophy		2 (25%)
Degeneration, Cystic	1 (13%)	3 (38%)
Hyperplasia		4 (50%)
Hypertrophy	5 (63%)	4 (50%)
Vacuolization Cytoplasmic	1 (13%)	
Adrenal Medulla	(8)	(8)
Pituitary Gland	(0)	(8)
Angiectasis		
Pars Distalis, Hyperplasia		1 (13%)
Thyroid Gland	(8)	(8)
C-cell, Hyperplasia		
Follicular Cell, Hypertrophy	5 (63%)	7 (88%)

GENERAL BODY SYSTEM		
None		

GENITAL SYSTEM		
Ovary	(0)	(8)
Uterus	(8)	(8)
Dilatation	4 (50%)	
Inflammation		
Inflammation, Suppurative	5 (63%)	2 (25%)
Metaplasia, Squamous	3 (38%)	4 (50%)
Endometrium, Hyperplasia, Cystic	4 (50%)	3 (38%)
Vagina	(0)	(8)
Inflammation, Chronic Active		
Necrosis		

HEMATOPOIETIC SYSTEM		
Spleen	(0)	(8)
Pigmentation		8 (100%)
Thymus	(8)	(8)
Atrophy	8 (100%)	8 (100%)
Cyst		

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

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INTEGUMENTARY SYSTEM		
Mammary Gland Cyst	(1)	(8)
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Lung	(8)	(8)
Inflammation		1 (13%)
Alveolar Epithelium, Hyperplasia		1 (13%)
Alveolar Epithelium, Metaplasia, Bronchiolar		3 (38%)
Alveolus, Infiltration Cellular, Histiocyte	3 (38%)	3 (38%)
SPECIAL SENSES SYSTEM		
None		
URINARY SYSTEM		
Kidney	(0)	(0)
Infarct		
Nephropathy		
Pelvis, Dilatation		
Pelvis, Inflammation		
Transitional Epithelium, Hyperplasia		

*** END OF REPORT ***