TDMS No. 20304 - 01 Test Type: CHRONIC

Route: GAVAGE

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

TEF evaluation (PCB 118) **CAS Number:** 31508-00-6

Date Report Requested: 07/14/2008 Time Report Requested: 15:09:47 First Dose M/F: NA / 03/26/04

Lab: BAT

Species/Strain: RATS/SD

C Number: C20304

Lock Date: 10/12/2006

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25022 ACCK 25021 TSAC 25020 NATD

25019 MSAC

Removal Date Range: ALL

Treatment Groups: Include 001 0 UG/KG Include 008 4600 UG/KG Include 009 4600 UG/KG STOP

Study Gender: Female

TDMSE Version: 2.0.0

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	4600 UG/KG	4600 UG/KG STOP
Disposition Summary			
Animals Initially in Study	80	80	50
Early Deaths			
Accidently Killed			1
Moribund Sacrifice	27	16	18
Natural Death Survivors	4	11	6
Moribund Sacrifice			1
Terminal Sacrifice	21	25	24
Animals Examined Microscopically	52	52 52	50
	V-	V-	55
ALIMENTARY SYSTEM			
Esophagus	(51)	(52)	(50)
Muscularis, Inflammation	(5.)	(0=)	1 (2%)
Intestine Large, Cecum	(52)	(48)	(49)
Artery, Inflammation, Chronic Active	(- /	1 (2%)	2 (4%)
Intestine Large, Colon	(52)	(48)	(49)
Parasite Metazoan	1 (2%)	1 (2%)	1 (2%)
Artery, Inflammation, Chronic Active	` ,	1 (2%)	2 (4%)
Intestine Large, Rectum	(52)	(50)	(49)
Parasite Metazoan	2 (4%)	3 (6%)	2 (4%)
Artery, Inflammation, Chronic Active	1 (2%)	1 (2%)	5 (10%)
Intestine Small, Duodenum	(52)	(48)	(49)
Intestine Small, Ileum	(52)	(47)	(49)
Intestine Small, Jejunum	(52)	(48)	(49)
Liver	(52)	(49)	(49)
Angiectasis		2 (4%)	1 (2%)
Basophilic Focus	11 (21%)	1 (2%)	5 (10%)
Basophilic Focus, Multiple	4 (8%)		4 (8%)
Cholangiofibrosis		22 (45%)	10 (20%)
Clear Cell Focus	6 (12%)		3 (6%)
Clear Cell Focus, Multiple	9 (17%)		10 (20%)
Degeneration, Cystic	1 (2%)	2 (4%)	4 (8%)
Eosinophilic Focus	5 (10%)		7 (14%)
Eosinophilic Focus, Multiple	- 4	41 (84%)	13 (27%)
Fatty Change, Focal	2 (4%)	12 (222)	9 (18%)
Fatty Change, Diffuse	1 (2%)	48 (98%)	8 (16%)
Hematopoietic Cell Proliferation	19 (37%)	21 (43%)	31 (63%)
Hepatodiaphragmatic Nodule		40 (000()	1 (2%)
Hyperplasia, Nodular	04 (400()	43 (88%)	4 (8%)
Inflammation	21 (40%)	44 (90%)	47 (96%)

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

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	4600 UG/KG	4600 UG/KG STOP	
Mixed Cell Focus	6 (12%)	1 (2%)	2 (4%)	
Mixed Gell Focus, Multiple	15 (29%)	6 (12%)	34 (69%)	
Necrosis	1 (2%)	22 (45%)	14 (29%)	
Pigmentation	1 (2%)	48 (98%)	43 (88%)	
Toxic Hepatopathy	1 (270)	46 (94%)	36 (73%)	
Bile Duct, Cyst	2 (4%)	21 (43%)	14 (29%)	
Bile Duct, Cyst Bile Duct, Fibrosis	2 (4%)	21 (43%)	7 (14%)	
	2 (4%) 5 (10%)	40 (920()		
Bile Duct, Hyperplasia	5 (10%)	40 (82%)	25 (51%)	
Capsule, Inflammation	1 (2%)	4 (20()	0 (40/)	
Centrilobular, Degeneration	1 (2%)	1 (2%)	2 (4%)	
Hepatocyte, Hypertrophy		48 (98%)	30 (61%)	
Hepatocyte, Multinucleated		43 (88%)	32 (65%)	
Oval Cell, Hyperplasia	(5)	46 (94%)	29 (59%)	
Mesentery	(2)	(9)	(9)	
Artery, Inflammation, Chronic Active	1 (50%)	8 (89%)	5 (56%)	
Artery, Thrombosis		1 (11%)		
Fat, Necrosis	40	1 (11%)	(0)	
Oral Mucosa	(1)	(3)	(0)	
_ Gingival, Cyst	4	1 (33%)	()	
Pancreas	(52)	(47)	(49)	
Amyloid Deposition			1 (2%)	
Degeneration	1 (2%)			
Inflammation, Chronic Active		2 (4%)	4 (8%)	
Acinus, Atrophy, Focal	4 (8%)	1 (2%)	4 (8%)	
Acinus, Atrophy, Diffuse		1 (2%)		
Acinus, Vacuolization Cytoplasmic		42 (89%)	10 (20%)	
Artery, Inflammation, Chronic Active	1 (2%)	12 (26%)	5 (10%)	
Duct, Dilatation		3 (6%)		
Duct, Inflammation		2 (4%)		
Duct, Necrosis		1 (2%)		
Stomach, Forestomach	(52)	(51)	(49)	
Hyperplasia, Squamous		3 (6%)	5 (10%)	
Inflammation	2 (4%)	1 (2%)	4 (8%)	
Ulcer	2 (4%)	, ,	3 (6%)	
Artery, Inflammation, Chronic Active	,	1 (2%)	1 (2%)	
Stomach, Glandular	(52)	(` 51) [^]	(49)	
Cyst	1 (2%)	,	,	
Erosion	,		2 (4%)	
Mineralization			1 (2%)	
Artery, Inflammation, Chronic Active		1 (2%)	()	
Tongue	(0)	(0)	(1)	
Degeneration	(-/	(-)	1 (100%)	
Tooth	(10)	(7)	(7)	
Peridontal Tissue, Inflammation	7 (70%)	6 (86%)	7 (100%)	

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	4600 UG/KG	4600 UG/KG STOP	
ARDIOVASCULAR SYSTEM				
Blood Vessel	(52)	(51)	(50)	
Heart	(52)	(50)	(50)	
Cardiomyopathy	13 (25%)	16 (32%)	19 (38%)	
Inflammation		1 (2%)		
Artery, Inflammation, Chronic Active		1 (2%)		
Coronary Artery, Thrombosis		1 (2%)		
Endocardium, Hyperplasia Epicardium, Fibrosis		2 (4%)		
Epicardium, Fibrosis		1 (2%)		
NDOCRINE SYSTEM				
Adrenal Cortex	(52)	(49)	(49)	
Atrophy	1 (2%)	35 (71%)	4 (8%)	
Degeneration, Cystic	9 (17%)	8 (16%)	12 (24%)	
Fibrosis			1 (2%)	
Hematopoietic Cell Proliferation	1 (2%)			
Hyperplasia	14 (27%)	13 (27%)	21 (43%)	
Hypertrophy	37 (71%)	34 (69%)	38 (78%)	
Necrosis	12 (122)	40 (0-0)	4 (8%)	
Vacuolization Cytoplasmic	10 (19%)	18 (37%)	21 (43%)	
Adrenal Medulla	(52)	(49)	(49)	
Hyperplasia	11 (21%)	1 (2%)	16 (33%)	
Parathyroid Gland Pituitary Gland	(47) (52)	(47) (52)	(49) (50)	
Angiectasis	(52) 1 (2%)	(52)	(50)	
Vacuolization Cytoplasmic	1 (2%)		1 (2%)	
Pars Distalis, Hyperplasia	10 (19%)	10 (19%)	10 (20%)	
Thyroid Gland	(51)	(49)	(50)	
Infiltration Cellular, Lymphocyte	(01)	1 (2%)	(00)	
Inflammation	1 (2%)	(270)		
C-cell, Hyperplasia	10 (20%)	11 (22%)	9 (18%)	
Follicular Cell, Hypertrophy	6 (12%)	23 (47%)	12 (24%)	
ENERAL BODY SYSTEM				
None				
110110				
ENITAL SYSTEM				
Clitoral Gland	(52)	(49)	(48)	
Ciliulai Gialiu				

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	4600 UG/KG	4600 UG/KG STOP	_
Inflammation	41 (79%)	13 (27%)	29 (60%)	
Duct, Cyst	26 (50%)	30 (61%)	28 (58%)	
Ovary	(52)	(48)	(49)	
Cyst	8 (15%)	7 (15%)	10 (20%)	
Inflammation	0 (1370)	2 (4%)	1 (2%)	
Uterus	(52)	(49)	(49)	
Adenomyosis	(32)	1 (2%)	(49)	
		1 (2%)		
Cyst		1 (2%)	0 (40/)	
Hemorrhage	. (001)	1 (2%)	2 (4%)	
Inflammation	4 (8%)	4 (8%)	10 (20%)	
Metaplasia, Squamous	29 (56%)	5 (10%)	23 (47%)	
Thrombosis	1 (2%)			
Endometrium, Hyperplasia, Cystic	28 (54%)	9 (18%)	21 (43%)	
Vagina	(7)	(0)	(0)	
IEMATOPOIETIC SYSTEM				
Bone Marrow	(52)	(52)	(50)	
Atrophy	4 (8%)			
Hyperplasia	31 (60%)	47 (90%)	43 (86%)	
Necrosis	,	1 (2%)	` ,	
Lymph Node	(0)	(2)	(1)	
Bronchial, Ectasia	(-)	1 (50%)	(-)	
Bronchial, Hemorrhage		1 (50%)		
Lymph Node, Mandibular	(51)	(51)	(50)	
Atrophy	(91)	1 (2%)	(50)	
Hyperplasia, Lymphoid		1 (2%)		
Hyperplasia, Lymphold Hyperplasia, Plasma Cell	24 (47%)	19 (37%)	22 (449/)	
nyperplasia, Plasifia Cell	24 (41%)		22 (44%)	
Lymph Node, Mesenteric	(52)	(47)	(49)	
Atrophy	1 (2%)		1 (2%)	
Ectasia		1 (2%)		
Hemorrhage			2 (4%)	
Hyperplasia, Plasma Cell	1 (2%)			
Spleen	(52)	(47)	(49)	
Hematopoietic Cell Proliferation	42 (81%)	34 (72%)	43 (88%)	
Hemorrhage	1 (2%)			
Necrosis	1 (2%)			
Pigmentation	39 (75%)	28 (60%)	31 (63%)	
Lymphoid Follicle, Atrophy	3 (6%)	3 (6%)	1 (2%)	
Red Pulp, Atrophy	- (0,0)	3 (6%)	(=,0)	
Thymus	(51)	(49)	(50)	
Atrophy	41 (80%)	44 (90%)	46 (92%)	
Hemorrhage	71 (00/0)	3 (6%)	TO (32 /0)	
Artery, Inflammation, Chronic Active		2 (4%)		

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INTEGUMENTARY SYSTEM				
Mammary Gland	(52)	(50)	(50)	
Cyst	1 (2%)	4 (00/)	5 (10%)	
Hyperplasia Cranulametous	4 (8%)	1 (2%)	4 (8%)	
Inflammation, Granulomatous Skin	(52)	(51)	4 (8%) (50)	
SKIII	(32)	(31)	(50)	
MUSCULOSKELETAL SYSTEM				
Bone	(52)	(52)	(50)	
Fracture	(0)	(0)	1 (2%)	
Skeletal Muscle	(0)	(0)	(2)	
NERVOUS SYSTEM				
Brain	(52)	(52)	(50)	
Gliosis	1 (2%)			
Hemorrhage	3 (6%)		1 (2%)	
Hydrocephalus Necrosis	1 (2%) 2 (4%)			
Spinal Cord	(0)	(1)	(0)	
Nerve, Degeneration	(0)	1 (100%)	(0)	
RESPIRATORY SYSTEM				
	(54)	(50)	(50)	
Lung Hemorrhage	(51)	(50) 1 (2%)	(50)	
Inflammation	5 (10%)	2 (4%)	2 (4%)	
Metaplasia, Squamous	1 (2%)	13 (26%)	2 (470)	
Pigmentation	. (= /0)	1 (2%)		
Proteinosis	1 (2%)	(-,-)		
Alveolar Epithelium, Hyperplasia	4 (8%)		3 (6%)	
Alveolar Epithelium, Metaplasia, Bronchiolar	6 (12%)	40 (80%)	32 (64%)	
Alveolus, Infiltration Cellular, Histiocyte	36 (71%)	40 (80%)	40 (80%)	
Artery, Mediastinum, Inflammation, Chronic		1 (2%)		
Active	4	(==)	(= -)	
Nose	(52)	(52)	(50)	
Cyst	1 (2%)	00 (440()	0 (400/)	
Inflammation	1 (2%)	23 (44%)	8 (16%)	
Glands, Cyst			1 (2%)	

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SPRAGUE-DAWLEY RATS FEMALE	0 UG/KG	4600 UG/KG	4600 UG/KG STOP
Nasolacrimal Duct, Inflammation, Suppurative		1 (2%)	
Olfactory Epithelium, Degeneration Olfactory Epithelium, Metaplasia Respiratory Epithelium, Degeneration, Focal	1 (2%)	1 (2%) 1 (2%)	1 (2%)
Respiratory Epithelium, Hyperplasia Respiratory Epithelium, Hyperplasia Respiratory Epithelium, Metaplasia, Squamous	1 (2%) 5 (10%)	27 (52%)	11 (22%) 1 (2%)
Trachea Inflammation	(51)	(52) 1 (2%)	(50)
SPECIAL SENSES SYSTEM			
Eye Cornea, Inflammation	(52) 1 (2%)	(52)	(50)
Retina, Atrophy Harderian Gland	1 (2%) (52)	6 (12%) (52)	(50)
Infiltration Cellular, Mononuclear Cell URINARY SYSTEM	7 (13%)	13 (25%)	11 (22%)
Kidney	(52)	(50)	(49)
Accumulation, Hyaline Droplet Amyloid Deposition Calculus Micro Observation Only	1 (2%) 3 (6%)	(50)	2 (4%) 1 (2%)
Cyst Mineralization	25 (48%)	1 (2%) 25 (50%)	1 (2%) 28 (57%)
Nephropathy Pigmentation	42 (81%) 2 (4%)	46 (92%) 42 (84%)	48 (98%) 6 (12%)
Artery, Inflammation, Chronic Active Pelvis, Dilatation Pelvis, Inflammation	1 (2%)	2 (4%)	1 (2%) 3 (6%) 2 (4%)
Transitional Epithelium, Hyperplasia Ureter Cyst	(0)	3 (6%)	(2) 2 (100%)
Urinary Bladder Inflammation	(52)	(50)	(49) 1 (2%)

^{***} END OF REPORT ***

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