

TDMS No. 20114 - 01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: RATS/F 344/N

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

Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 01/14/2009

Time Report Requested: 15:00:11

First Dose M/F: 11/12/01 / 11/11/01

Lab: SRI

F1_Rev.1_R2

C Number: C20114
Lock Date: 06/24/2002
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

FISCHER 344 RATS MALE	0 MG/L	62.5MG/L	125MG/L	250MG/L	500MG/L	1000 MG/L
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Intestine Small, Duodenum	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte			7 (70%)	9 (90%)	8 (80%)	7 (70%)
Liver	(10)	(10)	(10)	(10)	(9)	(10)
Hematopoietic Cell Proliferation, Focal	2 (20%)				1 (11%)	
Hepatodiaphragmatic Nodule						1 (10%)
Infiltration Cellular, Mixed Cell	2 (20%)	1 (10%)			2 (22%)	1 (10%)
Inflammation, Focal, Chronic			2 (20%)			1 (10%)
Centrilobular, Vacuolization Cytoplasmic	1 (10%)					
Oral Mucosa	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Focal	2 (20%)					
Pancreas	(10)	(6)	(6)	(6)	(6)	(10)
Acinus, Atrophy, Focal						2 (20%)
Salivary Glands	(10)	(6)	(6)	(6)	(6)	(10)
Parotid Gland, Basophilic Focus, Multiple	7 (70%)	3 (50%)	4 (67%)	4 (67%)	3 (50%)	10 (100%)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Ulcer						1 (10%)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Ulcer					1 (10%)	8 (80%)
Epithelium, Hyperplasia, Regenerative, Focal						10 (100%)
Epithelium, Metaplasia, Squamous, Focal						7 (70%)
Tongue	(10)	(10)	(10)	(10)	(10)	(10)
Granuloma, Focal					1 (10%)	

CARDIOVASCULAR SYSTEM

Heart	(10)	(6)	(6)	(6)	(6)	(10)
Cardiomyopathy, Focal	6 (60%)	5 (83%)	3 (50%)	5 (83%)	6 (100%)	4 (40%)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(6)	(6)	(6)	(6)	(10)
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FISCHER 344 RATS MALE	0 MG/L	62.5MG/L	125MG/L	250MG/L	500MG/L	1000 MG/L
Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal	1 (10%)			1 (17%) 1 (17%)		
Pituitary Gland Pars Distalis, Angiectasis Pars Distalis, Cyst	(10) 2 (20%)	(6) 1 (17%)	(6) 1 (17%)	(6) 1 (17%)	(6)	1 (10%) (10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Testes Atrophy	(10) 1 (10%)	(6)	(6)	(6)	(6) 1 (17%)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow Hyperplasia	(10)	(10)	(10)	(10) 2 (20%)	(10)	(10) 3 (30%)
Lymph Node Mediastinal, Hemorrhage Pancreatic, Ectasia	(10) 2 (20%)	(10)	(10)	(9)	(10)	(10) 1 (10%) 10 (100%)
Pancreatic, Hyperplasia, Lymphoid Pancreatic, Infiltration Cellular, Histiocyte		5 (50%) (6)	2 (20%) (6)	3 (33%) 4 (44%) (6)	3 (30%) 5 (50%) (6)	6 (60%) 9 (90%) (10)
Lymph Node, Mesenteric Ectasia Infiltration Cellular, Histiocyte	(10) 1 (10%)	(6)	(6)	(6)	1 (17%)	(10)
Spleen Hematopoietic Cell Proliferation	(10)	(6)	(6)	(6)	(6)	1 (10%) (10) 1 (10%)
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						

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FISCHER 344 RATS MALE	0 MG/L	62.5MG/L	125MG/L	250MG/L	500MG/L	1000 MG/L
None						
RESPIRATORY SYSTEM						
Lung	(10)	(6)	(6)	(6)	(6)	(10)
Inflammation, Focal, Acute						1 (10%)
Inflammation, Focal, Chronic	3 (30%)	1 (17%)	2 (33%)	2 (33%)	1 (17%)	3 (30%)
Metaplasia, Osseous						1 (10%)
Alveolar Epithelium, Bronchiole, Hyperplasia					1 (17%)	
Alveolus, Infiltration Cellular, Histiocyte	1 (10%)					2 (20%)
SPECIAL SENSES SYSTEM						
Harderian Gland	(10)	(6)	(6)	(6)	(6)	(10)
Inflammation, Focal, Chronic						2 (20%)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Casts Protein			1 (10%)		1 (10%)	
Nephropathy	5 (50%)	1 (10%)	1 (10%)	2 (20%)	4 (40%)	4 (40%)

*** END OF MALE ***

FISCHER 344 RATS FEMALE	0 MG/L	62.5MG/L	125MG/L	250MG/L	500MG/L	1000 MG/L
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Intestine Small, Duodenum	(10)	(10)	(10)	(10)	(10)	(10)
Infiltration Cellular, Histiocyte		1 (10%)	5 (50%)	7 (70%)	8 (80%)	10 (100%)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Hepatodiaphragmatic Nodule	1 (10%)			1 (10%)	1 (10%)	2 (20%)
Infiltration Cellular, Histiocyte		3 (30%)	6 (60%)	6 (60%)	9 (90%)	8 (80%)
Inflammation, Focal, Chronic	3 (30%)	5 (50%)	2 (20%)	7 (70%)	2 (20%)	10 (100%)
Necrosis, Focal				1 (10%)	1 (10%)	
Oral Mucosa	(10)	(10)	(10)	(10)	(10)	(10)
Dysplasia					1 (10%)	
Salivary Glands	(10)	(6)	(6)	(6)	(6)	(10)
Parotid Gland, Basophilic Focus, Multiple	6 (60%)	2 (33%)	2 (33%)	1 (17%)	2 (33%)	5 (50%)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Muscularis, Inflammation, Focal, Chronic						1 (10%)
Active						
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Degeneration, Cystic						1 (10%)
Ulcer						10 (100%)
Epithelium, Hyperplasia, Regenerative, Focal						10 (100%)
Epithelium, Metaplasia, Squamous, Focal						10 (100%)
Muscularis, Inflammation, Focal, Chronic						1 (10%)
Active						
CARDIOVASCULAR SYSTEM						
Heart	(10)	(6)	(6)	(6)	(6)	(10)
Cardiomyopathy, Focal	3 (30%)		2 (33%)	2 (33%)	1 (17%)	1 (10%)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(6)	(6)	(6)	(6)	(9)
Accessory Adrenal Cortical Nodule						1 (11%)

FISCHER 344 RATS FEMALE	0 MG/L	62.5MG/L	125MG/L	250MG/L	500MG/L	1000 MG/L
Pituitary Gland	(10)	(6)	(6)	(6)	(6)	(10)
Rathke's Cleft, Cyst	1 (10%)		1 (17%)	1 (17%)	1 (17%)	4 (40%)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(6)	(6)	(6)	(6)	(9)
Duct, Ectasia	1 (10%)					
Ovary	(10)	(6)	(6)	(6)	(6)	(10)
Cyst	2 (20%)		1 (17%)			2 (20%)
Uterus	(10)	(6)	(6)	(6)	(6)	(10)
Hydrometra	2 (20%)		1 (17%)			1 (10%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Hyperplasia						4 (40%)
Lymph Node	(10)	(10)	(10)	(10)	(10)	(10)
Mediastinal, Hemorrhage	2 (20%)					1 (10%)
Mediastinal, Hyperplasia, Lymphoid	1 (10%)					
Pancreatic, Ectasia					1 (10%)	10 (100%)
Pancreatic, Hemorrhage	1 (10%)				1 (10%)	1 (10%)
Pancreatic, Hyperplasia, Lymphoid			2 (20%)			10 (100%)
Pancreatic, Infiltration Cellular, Histiocyte	4 (40%)	8 (80%)	7 (70%)	7 (70%)	7 (70%)	9 (90%)
Lymph Node, Mesenteric	(10)	(6)	(6)	(6)	(6)	(10)
Infiltration Cellular, Histiocyte	3 (30%)	2 (33%)	3 (50%)	2 (33%)	5 (83%)	6 (60%)

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

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FISCHER 344 RATS FEMALE	0 MG/L	62.5MG/L	125MG/L	250MG/L	500MG/L	1000 MG/L
None						
RESPIRATORY SYSTEM						
Lung	(10)	(5)	(6)	(6)	(6)	(10)
Infiltration Cellular, Histiocyte				1 (17%)		
Inflammation, Focal, Chronic	4 (40%)	3 (60%)	1 (17%)		1 (17%)	2 (20%)
Metaplasia, Osseous	1 (10%)					
Alveolus, Infiltration Cellular, Histiocyte		1 (20%)				
SPECIAL SENSES SYSTEM						
Harderian Gland	(10)	(6)	(6)	(6)	(6)	(10)
Infiltration Cellular, Lymphoid					1 (17%)	
Inflammation, Focal, Chronic			1 (17%)	1 (17%)		
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Casts Protein				1 (10%)	1 (10%)	1 (10%)
Nephropathy						1 (10%)
Pelvis, Inflammation			1 (10%)			

*** END OF REPORT ***