

TDMS No. 20226 - 01
Test Type: 26-WEEK
Route: DOSED FEED
Species/Strain: RATS/SD

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

Chitosan
CAS Number: 9012-76-4

Date Report Requested: 05/28/2009
Time Report Requested: 08:46:11
First Dose M/F: 08/31/06 / 09/01/06
Lab: BAT

F1_R8

C Number: C20226
Lock Date: 05/07/2008
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

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SPRAGUE-DAWLEY RATS MALE	0 %	1 %	3 %	9 %
Disposition Summary				
Animals Initially in Study	10	10	10	10
Early Deaths				
Survivors				
Terminal Sacrifice	10	10	10	10
Animals Examined Microscopically	10	10	10	10
ALIMENTARY SYSTEM				
Liver	(10)	(10)	(10)	(10)
Degeneration, Cystic				1 (10%)
Hematopoietic Cell Proliferation	2 (20%)	3 (30%)	3 (30%)	6 (60%)
Inflammation, Chronic Active	10 (100%)	10 (100%)	10 (100%)	9 (90%)
Periportal, Fatty Change	6 (60%)	3 (30%)	6 (60%)	3 (30%)
Pancreas	(10)	(0)	(0)	(10)
Basophilic Focus	1 (10%)			
Inflammation	2 (20%)			1 (10%)
Stomach, Forestomach	(10)	(0)	(0)	(10)
Epithelium, Hyperplasia	3 (30%)			1 (10%)
CARDIOVASCULAR SYSTEM				
Blood Vessel	(10)	(0)	(0)	(10)
Inflammation				1 (10%)
Heart	(10)	(0)	(0)	(10)
Cardiomyopathy	5 (50%)			3 (30%)
Mineralization				1 (10%)
ENDOCRINE SYSTEM				
Adrenal Cortex	(10)	(1)	(0)	(10)
Vacuolization Cytoplasmic				1 (10%)
Parathyroid Gland	(10)	(10)	(10)	(10)
Hyperplasia	1 (10%)			
Pituitary Gland	(10)	(0)	(0)	(10)
Cyst	1 (10%)			
Thyroid Gland	(10)	(0)	(0)	(10)
C-cell, Hyperplasia				1 (10%)

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GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Preputial Gland	(10)	(0)	(0)	(10)
Inflammation				1 (10%)
Inflammation, Chronic Active				2 (20%)
Prostate	(10)	(10)	(10)	(10)
Inflammation	8 (80%)	9 (90%)	10 (100%)	10 (100%)
Testes	(10)	(0)	(0)	(10)
Mineralization				1 (10%)
HEMATOPOIETIC SYSTEM				
Lymph Node, Mandibular	(10)	(0)	(0)	(10)
Infiltration Cellular, Plasma Cell	1 (10%)			2 (20%)
Spleen	(10)	(0)	(0)	(10)
Hematopoietic Cell Proliferation	5 (50%)			2 (20%)
Thymus	(10)	(0)	(0)	(10)
Atrophy	1 (10%)			
INTEGUMENTARY SYSTEM				
Skin	(10)	(0)	(0)	(10)
Hemorrhage				1 (10%)
Mineralization				1 (10%)
Ulcer				1 (10%)
MUSCULOSKELETAL SYSTEM				
Skeletal Muscle	(0)	(0)	(0)	(1)
Inflammation, Granulomatous				1 (100%)
NERVOUS SYSTEM				
None				

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

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RESPIRATORY SYSTEM				
Lung	(10)	(0)	(0)	(10)
Hemorrhage	2 (20%)			
Inflammation, Chronic Active	2 (20%)			4 (40%)
Nose	(10)	(0)	(0)	(10)
Inflammation	1 (10%)			
Goblet Cell, Hyperplasia				1 (10%)
SPECIAL SENSES SYSTEM				
Eye	(10)	(1)	(0)	(10)
Choroid, Fibrosis		1 (100%)		
Lens, Cataract		1 (100%)		
Harderian Gland	(10)	(0)	(0)	(10)
Hyperplasia				1 (10%)
Infiltration Cellular, Lymphocyte	2 (20%)			1 (10%)
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Infarct			1 (10%)	
Mineralization	2 (20%)	4 (40%)	3 (30%)	5 (50%)
Nephropathy	9 (90%)	9 (90%)	9 (90%)	9 (90%)
Cortex, Cyst	1 (10%)			
Pelvis, Dilatation	2 (20%)		1 (10%)	
Pelvis, Inflammation	1 (10%)			
Urinary Bladder	(10)	(0)	(0)	(10)
Transitional Epithelium, Hyperplasia				1 (10%)

*** END OF MALE ***

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Disposition Summary				
Animals Initially in Study	10	10	10	10
Early Deaths				
Survivors				
Terminal Sacrifice	10	10	10	10
Animals Examined Microscopically	10	10	10	10
ALIMENTARY SYSTEM				
Liver	(10)	(10)	(10)	(10)
Hematopoietic Cell Proliferation	1 (10%)	1 (10%)	2 (20%)	1 (10%)
Inflammation, Chronic Active	9 (90%)	9 (90%)	9 (90%)	10 (100%)
Periportal, Fatty Change	7 (70%)	4 (40%)	4 (40%)	
Pancreas	(10)	(0)	(0)	(10)
Atrophy				1 (10%)
Inflammation	1 (10%)			
Inflammation, Chronic Active				1 (10%)
CARDIOVASCULAR SYSTEM				
Heart	(10)	(0)	(0)	(10)
Cardiomyopathy	1 (10%)			
ENDOCRINE SYSTEM				
Pituitary Gland	(10)	(0)	(0)	(10)
Rathke's Cleft, Hyperplasia	1 (10%)			
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Clitoral Gland	(10)	(0)	(0)	(10)
Inflammation, Chronic Active	2 (20%)			

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HEMATOPOIETIC SYSTEM				
Spleen	(10)	(0)	(0)	(10)
Hematopoietic Cell Proliferation	1 (10%)			
Thymus	(10)	(0)	(0)	(10)
Atrophy	1 (10%)			
INTEGUMENTARY SYSTEM				
Mammary Gland	(10)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
Brain	(10)	(0)	(0)	(10)
Developmental Malformation	1 (10%)			
RESPIRATORY SYSTEM				
Lung	(10)	(0)	(0)	(10)
Mineralization				1 (10%)
Alveolar Epithelium, Hyperplasia				1 (10%)
Alveolus, Infiltration Cellular, Histiocyte	2 (20%)			
Artery, Mineralization	1 (10%)			1 (10%)
Nose	(10)	(0)	(0)	(10)
Goblet Cell, Hyperplasia	1 (10%)			
SPECIAL SENSES SYSTEM				
Harderian Gland	(10)	(0)	(0)	(10)
Infiltration Cellular, Lymphocyte	1 (10%)			1 (10%)
URINARY SYSTEM				
Kidney	(10)	(10)	(10)	(10)
Mineralization	8 (80%)	8 (80%)	5 (50%)	6 (60%)
Nephropathy	5 (50%)	6 (60%)	5 (50%)	

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