

Experiment Number: 96001-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

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

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/20/2014

Time Report Requested: 21:29:09

First Dose M/F: NA / NA

Lab: BNW

C Number:	C96001
Lock Date:	10/13/1998
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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F 344/N Rat MALE	CONTROL	138 MG/M3	275 MG/M3	550 MG/M3	1100 MG/M3	2200 MG/M3
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						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(3)	(1)	(2)	(0)	(10)
Hepatodiaphragmatic Nodule	1 (10%)	3 (100%)	1 (100%)	2 (100%)		1 (10%)
Mesentery	(0)	(1)	(0)	(1)	(0)	(0)
Fat, Necrosis		1 (100%)		1 (100%)		
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Diverticulum						1 (10%)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(1)	(0)	(0)	(0)	(0)	(0)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy	4 (40%)					5 (50%)
ENDOCRINE SYSTEM						

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F 344/N Rat MALE	CONTROL	138 MG/M3	275 MG/M3	550 MG/M3	1100 MG/M3	2200 MG/M3
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(9)	(0)	(0)	(0)	(0)	(10)
Ultimobranchial Cyst						1 (10%)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(0)	(0)	(0)	(0)	(0)	(1)
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Lymph Node, Bronchial	(1)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(2)
Lymph Node, Mediastinal	(6)	(1)	(0)	(0)	(0)	(5)
Inflammation		1 (100%)				
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)

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F 344/N Rat MALE	CONTROL	138 MG/M3	275 MG/M3	550 MG/M3	1100 MG/M3	2200 MG/M3
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
Skeletal Muscle	(0)	(1)	(0)	(0)	(0)	(0)
Hemorrhage, Focal		1 (100%)				
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(9)	(10)
Lung	(10)	(10)	(8)	(10)	(9)	(10)
Alveolus, Hemorrhage, Focal		1 (10%)			1 (11%)	
Alveolus, Infiltration Cellular, Histiocyte	5 (50%)	4 (40%)	4 (50%)	4 (40%)	6 (67%)	4 (40%)
Alveolus, Inflammation, Chronic		2 (20%)	1 (13%)		1 (11%)	1 (10%)
Nose	(10)	(10)	(10)	(10)	(9)	(10)
Goblet Cell, Respirat Epith, Hypertrophy	2 (20%)	2 (20%)	2 (20%)	2 (20%)	4 (44%)	7 (70%)
Pleura	(0)	(1)	(0)	(0)	(0)	(0)
Infiltration Cellular		1 (100%)				
Trachea	(10)	(10)	(10)	(10)	(9)	(10)
SPECIAL SENSES SYSTEM						
Zymbal's Gland	(2)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Cortex, Renal Tubule, Regeneration	8 (80%)	8 (80%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Medulla, Renal Tubule, Casts Granular			1 (10%)	4 (40%)	10 (100%)	10 (100%)
Renal Tubule, Accumulation, Hyaline Droplet	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)	10 (100%)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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END OF MALE DATA

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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						
Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(0)	(0)	(0)	(0)	(10)
Hepatodiaphragmatic Nodule	3 (30%)					2 (20%)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(5)	(0)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)

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Pars Distalis, Cyst						1 (10%)
Thyroid Gland	(10)	(0)	(1)	(0)	(0)	(10)
Ultimobranchial Cyst			1 (100%)			
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(9)
Bursa, Cyst	1 (10%)					
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Hydrometra	4 (40%)					2 (20%)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(2)	(0)	(0)	(0)	(0)	(3)
Cervical, Hyperplasia, Chronic						1 (33%)
Deep Cervical, Hyperplasia, Lymphoid						1 (33%)
Hyperplasia, Chronic	1 (50%)					
Inflammation, Chronic	1 (50%)					
Lymph Node, Bronchial	(1)	(0)	(0)	(0)	(0)	(2)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(1)
Lymph Node, Mediastinal	(5)	(0)	(0)	(0)	(0)	(3)
Hyperplasia, Lymphoid	1 (20%)					
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)

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F 344/N Rat FEMALE	CONTROL	138 MG/M3	275 MG/M3	550 MG/M3	1100 MG/M3	2200 MG/M3
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Foreign Body						1 (10%)
Inflammation, Suppurative						1 (10%)
Respirat Epith, Metaplasia, Squamous, Focal						1 (10%)
Lung	(10)	(10)	(10)	(10)	(9)	(10)
Alveolus, Hemorrhage, Focal	1 (10%)	1 (10%)				1 (10%)
Alveolus, Infiltration Cellular, Histiocyte	4 (40%)	4 (40%)	3 (30%)	3 (30%)	3 (33%)	5 (50%)
Alveolus, Inflammation, Chronic			1 (10%)	1 (10%)	2 (22%)	2 (20%)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Goblet Cell, Respirat Epith, Hypertrophy		1 (10%)	1 (10%)		4 (40%)	9 (90%)
Inflammation, Chronic						3 (30%)
Pleura	(0)	(0)	(0)	(0)	(0)	(1)
Mesothelium, Hyperplasia, Focal						1 (100%)
Trachea	(10)	(10)	(10)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Cortex, Inflammation, Chronic					1 (10%)	
Cortex, Renal Tubule, Regeneration	1 (10%)		2 (20%)	1 (10%)		1 (10%)
Interstit Cell, Hyperplasia				1 (10%)		
Medulla, Renal Tubule, Casts Protein				1 (10%)		

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Medulla, Renal Tubule, Cyst					1 (10%)	
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

**** END OF REPORT ****

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