

TDMS No. 20724 - 03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/Wistar Han

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

Acetoin

CAS Number: 513-86-0

Date Report Requested: 07/28/2011

Time Report Requested: 10:24:16

First Dose M/F: 06/29/09 / 06/30/09

Lab: BNW

F1_RE

C Number: C20724
Lock Date: 03/04/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.4.2.1_003
PWG Approval Date: NONE

Wistar Han RATS MALE	CONTROL	50 ppm	100 ppm	200 ppm	400 ppm	800 ppm
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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	2	1	4		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)	(1)	(0)	(0)	(0)	(10)
Atrophy		1 (100%)				
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Atrophy	1 (10%)					1 (10%)
Acinus, Atrophy	1 (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

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
Cardiomyopathy						3 (30%)
Necrosis, Acute	1 (10%)					

ENDOCRINE SYSTEM

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

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Wistar Han RATS MALE	CONTROL	50 ppm	100 ppm	200 ppm	400 ppm	800 ppm
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	(10)	(0)	(0)	(0)	(0)	(5)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Cyst						1 (10%)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active	1 (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)	(1)	(0)	(0)	(0)	(0)
Lymph Node, Bronchial	(7)	(0)	(0)	(0)	(0)	(7)
Lymph Node, Mandibular	(9)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mediastinal	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Accessory Spleen						1 (10%)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)

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Wistar Han RATS MALE	CONTROL	50 ppm	100 ppm	200 ppm	400 ppm	800 ppm
INTEGUMENTARY SYSTEM						
Mammary Gland	(3)	(0)	(0)	(0)	(0)	(3)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Acute	1 (10%)					2 (20%)
Inflammation, Chronic Active						1 (10%)
Squamous Epithelium, Erosion						1 (10%)
Squamous Epithelium, Hyperplasia	1 (10%)					
Lung	(10)	(0)	(0)	(1)	(0)	(10)
Infiltration Cellular, Histiocyte						2 (20%)
Metaplasia, Osseous						1 (10%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						

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Wistar Han RATS MALE	CONTROL	50 ppm	100 ppm	200 ppm	400 ppm	800 ppm
Kidney	(10)	(0)	(0)	(2)	(0)	(10)
Nephropathy	2 (20%)					3 (30%)
Cortex, Cyst	1 (10%)					
Pelvis, Dilatation	1 (10%)			2 (100%)		1 (10%)
Urinary Bladder	(10)	(0)	(1)	(1)	(0)	(10)
Calculus Gross Observation			1 (100%)	1 (100%)		

*** END OF MALE ***

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Wistar Han RATS FEMALE	CONTROL	50 ppm	100 ppm	200 ppm	400 ppm	800 ppm
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	1	2			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)	(1)	(1)	(0)	(0)	(10)
Hepatodiaphragmatic Nodule			1 (100%)			
Necrosis		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)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
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)

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Wistar Han RATS FEMALE	CONTROL	50 ppm	100 ppm	200 ppm	400 ppm	800 ppm
Parathyroid Gland	(9)	(0)	(0)	(0)	(0)	(7)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node	(0)	(0)	(1)	(0)	(0)	(0)
Iliac, Infiltration Cellular, Mixed Cell			1 (100%)			
Lymph Node, Bronchial	(7)	(0)	(0)	(0)	(0)	(5)
Lymph Node, Mandibular	(9)	(0)	(0)	(0)	(0)	(9)
Lymph Node, Mediastinal	(8)	(0)	(0)	(0)	(0)	(8)
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)
Ulcer	1 (10%)					

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MUSCULOSKELETAL SYSTEM						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Larynx	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Acute						1 (10%)
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic Active						1 (10%)
Nose	(10)	(0)	(0)	(0)	(0)	(10)
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Nephropathy	3 (30%)					2 (20%)
Medulla, Inflammation, Chronic Active	2 (20%)					1 (10%)
Pelvis, Dilatation						1 (10%)
Pelvis, Inflammation, Chronic Active						1 (10%)
Transitional Epithelium, Hyperplasia						1 (10%)
Urinary Bladder	(10)	(0)	(1)	(0)	(0)	(10)
Calculus Gross Observation			1 (100%)			
Transitional Epithelium, Hyperplasia			1 (100%)			

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Wistar Han RATS FEMALE

CONTROL

50 ppm

100 ppm

200 ppm

400 ppm

800 ppm

*** END OF REPORT ***

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