

Experiment Number: 20313 - 02
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/NCTR

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

Acrylamide
CAS Number: 79-06-1

Date Report Requested: 09/21/2016
Time Report Requested: 11:18:09
First Dose M/F: 07/12/04 / 07/12/04
Lab: NCTR

NTP Study Number: C20313
Lock Date: 03/06/2013
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	Control	10 ug/ml	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Disposition Summary						
Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Terminal Sacrifice	8	8	8	8	8	8
Animals Examined Microscopically	8		2	8	8	8
ALIMENTARY SYSTEM						
Esophagus	(8)	(0)	(0)	(0)	(0)	(8)
Gallbladder	(7)	(0)	(0)	(0)	(0)	(7)
Intestine Large, Cecum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Colon	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Rectum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Duodenum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Ileum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Jejunum	(8)	(0)	(0)	(0)	(0)	(8)
Liver	(8)	(0)	(0)	(0)	(0)	(8)
Inflammation, Chronic Active						1 (13%)
Tension Lipidosis	1 (13%)					1 (13%)
Pancreas	(8)	(0)	(0)	(0)	(0)	(8)
Salivary Glands	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Forestomach	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Glandular	(8)	(0)	(0)	(0)	(0)	(8)
Tongue	(8)	(0)	(0)	(0)	(0)	(8)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(8)	(0)	(0)	(0)	(0)	(8)
Heart	(8)	(0)	(0)	(0)	(0)	(8)
ENDOCRINE SYSTEM						
Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)

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

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	Control	10 ug/ml	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Subcapsular, Hyperplasia	3 (38%)					
Adrenal Medulla	(8)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(0)	(8)
Parathyroid Gland	(8)	(0)	(0)	(0)	(0)	(7)
Pituitary Gland	(7)	(0)	(0)	(0)	(0)	(7)
Thyroid Gland	(8)	(0)	(0)	(0)	(0)	(8)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(8)	(0)	(0)	(0)	(0)	(8)
Preputial Gland	(8)	(0)	(2)	(0)	(0)	(8)
Cyst	2 (25%)		1 (50%)			
Prostate	(8)	(0)	(0)	(0)	(0)	(8)
Seminal Vesicle	(8)	(0)	(0)	(0)	(0)	(8)
Testes	(8)	(0)	(0)	(0)	(8)	(8)
Germinal Epithelium, Degeneration						6 (75%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(6)	(0)	(0)	(0)	(0)	(7)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(0)	(8)
Spleen	(8)	(0)	(0)	(0)	(0)	(8)
Thymus	(8)	(0)	(0)	(0)	(0)	(8)

INTEGUMENTARY SYSTEM

Mammary Gland	(2)	(0)	(0)	(0)	(0)	(0)
Skin	(8)	(0)	(0)	(0)	(0)	(8)

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	Control	10 ug/ml	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle Atrophy	(8)	(0)	(0)	(8)	(8)	(8) 3 (38%)
NERVOUS SYSTEM						
Brain, Brain Stem	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebellum	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebrum	(8)	(0)	(0)	(0)	(0)	(8)
Peripheral Nerve Axon, Degeneration	(8)	(0)	(0)	(8)	(8)	(8) 8 (100%)
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(8)	(8)
Spinal Cord, Lumbar Axon, Degeneration	(8)	(0)	(0)	(0)	(8)	(8) 8 (100%)
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(8)	(8)
RESPIRATORY SYSTEM						
Lung	(8)	(0)	(0)	(0)	(0)	(8)
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
SPECIAL SENSES SYSTEM						
Eye	(8)	(0)	(0)	(0)	(0)	(8)
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
URINARY SYSTEM						
Kidney	(8)	(0)	(0)	(0)	(0)	(8)

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

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C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	Control	10 ug/ml	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Urinary Bladder Lumen, Dilatation	(8)	(0)	(0)	(0)	(0)	(8) 8 (100%)

*** END OF MALE ***

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	Control	10 ug/ml	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Disposition Summary						
Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Survivors						
Terminal Sacrifice	8	8	8	8	8	8
Animals Examined Microscopically	8		1	8	8	8

ALIMENTARY SYSTEM

Esophagus	(8)	(0)	(0)	(0)	(0)	(8)
Gallbladder	(8)	(0)	(0)	(0)	(0)	(7)
Intestine Large, Cecum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Colon	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Large, Rectum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Duodenum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Ileum	(8)	(0)	(0)	(0)	(0)	(8)
Intestine Small, Jejunum	(8)	(0)	(0)	(0)	(0)	(8)
Liver	(8)	(0)	(1)	(0)	(0)	(8)
Mineralization			1 (100%)			
Tension Lipidosis						1 (13%)
Pancreas	(8)	(0)	(0)	(0)	(0)	(8)
Salivary Glands	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Forestomach	(8)	(0)	(0)	(0)	(0)	(8)
Stomach, Glandular	(8)	(0)	(0)	(0)	(0)	(8)
Tongue	(8)	(0)	(0)	(0)	(0)	(8)

CARDIOVASCULAR SYSTEM

Blood Vessel	(8)	(0)	(0)	(0)	(0)	(7)
Heart	(8)	(0)	(0)	(0)	(0)	(8)
Mineralization	1 (13%)					

ENDOCRINE SYSTEM

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Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)
Subcapsular, Hyperplasia	8 (100%)					8 (100%)
Adrenal Medulla	(8)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(0)	(8)
Parathyroid Gland	(7)	(0)	(0)	(0)	(0)	(7)
Pituitary Gland	(8)	(0)	(0)	(0)	(0)	(7)
Thyroid Gland	(8)	(0)	(0)	(0)	(0)	(7)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(7)	(0)	(0)	(0)	(0)	(8)
Ovary	(8)	(0)	(1)	(0)	(8)	(8)
Anestrus						6 (75%)
Cyst			1 (100%)			
Uterus	(8)	(0)	(0)	(0)	(0)	(8)

HEMATOPOIETIC SYSTEM

Bone Marrow	(8)	(0)	(0)	(0)	(0)	(8)
Lymph Node, Mandibular	(8)	(0)	(0)	(0)	(0)	(7)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(0)	(8)
Spleen	(8)	(0)	(0)	(1)	(0)	(8)
Pigmentation				1 (100%)		
Thymus	(8)	(0)	(0)	(0)	(0)	(8)

INTEGUMENTARY SYSTEM

Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Skin	(8)	(0)	(0)	(0)	(1)	(8)

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MUSCULOSKELETAL SYSTEM						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle Atrophy	(8)	(0)	(0)	(8)	(8)	(8) 5 (63%)
NERVOUS SYSTEM						
Brain, Brain Stem	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebellum	(8)	(0)	(0)	(0)	(0)	(8)
Brain, Cerebrum	(8)	(0)	(0)	(0)	(0)	(8)
Peripheral Nerve Axon, Degeneration	(8)	(0)	(0)	(8)	(8)	(8) 8 (100%)
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(8)	(8)
Spinal Cord, Lumbar Axon, Degeneration	(8)	(0)	(0)	(0)	(8)	(8) 7 (88%)
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(8)	(8)
RESPIRATORY SYSTEM						
Lung	(8)	(0)	(0)	(0)	(0)	(8)
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
SPECIAL SENSES SYSTEM						
Eye Lens, Developmental Malformation	(8)	(0)	(0)	(1) 1 (100%)	(0)	(8)
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
URINARY SYSTEM						

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Kidney	(8)	(0)	(0)	(0)	(0)	(8)
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)
Lumen, Dilatation						4 (50%)

*** END OF REPORT ***

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