

Experiment Number: 20313 - 04
Test Type: 90-DAY
Route: DOSED FEED
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: 09/20/2016
Time Report Requested: 15:03:10
First Dose M/F: 08/02/04 / 08/02/04
Lab: NCTR

NTP Study Number: C20313B
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 Feed M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM AcryL M	185 PPM Acryl M	370 PPM Acryl M
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Disposition Summary

Animals Initially In Study	8	8	8	8	8	8
Early Deaths						
Accidentally Killed		1				
Natural Death					1	1
Survivors						
Terminal Sacrifice	8	7	8	8	7	7
Animals Examined Microscopically	8	1		2	8	8

ALIMENTARY SYSTEM

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

CARDIOVASCULAR SYSTEM

Blood Vessel	(8)	(0)	(0)	(0)	(1)	(7)
Heart	(8)	(0)	(0)	(0)	(1)	(8)

ENDOCRINE SYSTEM

Adrenal Cortex	(8)	(0)	(0)	(0)	(1)	(7)
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a - Number of animals examined microscopically at site and number of animals with lesion

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Adrenal Medulla	(8)	(0)	(0)	(0)	(1)	(7)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(1)	(7)
Parathyroid Gland	(5)	(0)	(0)	(0)	(0)	(6)
Pituitary Gland	(8)	(0)	(0)	(0)	(1)	(7)
Thyroid Gland	(8)	(0)	(0)	(0)	(1)	(7)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(8)	(0)	(0)	(0)	(1)	(7)
Hypospermia						3 (43%)
Preputial Gland	(8)	(0)	(0)	(0)	(1)	(7)
Prostate	(6)	(0)	(0)	(0)	(1)	(6)
Seminal Vesicle	(8)	(0)	(0)	(0)	(1)	(7)
Testes	(8)	(0)	(0)	(0)	(8)	(7)
Germinal Epithelium, Degeneration						7 (100%)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(8)	(0)	(0)	(0)	(1)	(7)
Lymph Node, Mandibular	(8)	(0)	(0)	(0)	(1)	(7)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(1)	(7)
Spleen	(8)	(0)	(0)	(1)	(1)	(7)
Hyperplasia, Lymphoid	3 (38%)					
Thymus	(8)	(0)	(0)	(0)	(1)	(7)
INTEGUMENTARY SYSTEM						
Skin	(8)	(0)	(0)	(0)	(1)	(8)

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MUSCULOSKELETAL SYSTEM						
Bone, Femur	(8)	(0)	(0)	(0)	(1)	(8)
Skeletal Muscle Atrophy	(8)	(0)	(0)	(0)	(8)	(7) 7 (100%)
NERVOUS SYSTEM						
Brain, Brain Stem	(8)	(0)	(0)	(0)	(1)	(7)
Brain, Cerebellum	(8)	(0)	(0)	(0)	(1)	(7)
Brain, Cerebrum	(8)	(0)	(0)	(1)	(1)	(7)
Peripheral Nerve Axon, Degeneration	(8)	(0)	(0)	(0)	(8)	(7) 5 (71%)
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(8)	(7)
Spinal Cord, Lumbar Axon, Degeneration	(8)	(0)	(0)	(0)	(8)	(7) 2 (29%)
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(8)	(7)
RESPIRATORY SYSTEM						
Lung	(8)	(0)	(0)	(0)	(1)	(7)
Nose	(8)	(0)	(0)	(0)	(1)	(7)
Trachea	(8)	(0)	(0)	(0)	(1)	(7)
SPECIAL SENSES SYSTEM						
Eye	(8)	(0)	(0)	(0)	(1)	(7)
Harderian Gland	(8)	(0)	(0)	(0)	(1)	(7)
URINARY SYSTEM						
Kidney	(8)	(0)	(0)	(0)	(1)	(7)
Urinary Bladder	(8)	(0)	(0)	(0)	(1)	(7)

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 Feed M	18.5 PPM Acryl M	37 PPM Acryl M	74 PPM AcryL M	185 PPM Acryl M	370 PPM Acryl M
Lumen, Dilatation						7 (100%)

*** END OF MALE ***

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	Control Feed F	18.5 PPM Acryl F	37 PPM Acryl F	74 PPM Acryl F	185 PPM Acryl F	370 PPM Acryl F
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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				8	8

ALIMENTARY SYSTEM

Esophagus	(8)	(0)	(0)	(0)	(0)	(8)
Gallbladder	(8)	(0)	(0)	(0)	(0)	(8)
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)
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)	(6)
Heart	(8)	(0)	(0)	(0)	(0)	(8)

ENDOCRINE SYSTEM

Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)
Accessory Adrenal Cortical Nodule						1 (13%)
Subcapsular, Hyperplasia	5 (63%)					2 (25%)

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Adrenal Medulla	(7)	(0)	(0)	(0)	(0)	(8)
Islets, Pancreatic	(8)	(0)	(0)	(0)	(0)	(8)
Parathyroid Gland	(5)	(0)	(0)	(0)	(0)	(7)
Pituitary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Thyroid Gland	(7)	(0)	(0)	(0)	(0)	(8)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(8)	(0)	(0)	(0)	(0)	(8)
Ovary	(8)	(0)	(0)	(0)	(8)	(8)
Anestrus						8 (100%)
Cyst						1 (13%)
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)	(8)
Hyperplasia, Lymphoid						1 (13%)
Lymph Node, Mesenteric	(8)	(0)	(0)	(0)	(0)	(8)
Hyperplasia, Lymphoid						1 (13%)
Spleen	(8)	(0)	(0)	(0)	(0)	(8)
Hyperplasia, Lymphoid	5 (63%)					1 (13%)
Thymus	(8)	(0)	(0)	(0)	(0)	(8)
INTEGUMENTARY SYSTEM						
Mammary Gland	(8)	(0)	(0)	(0)	(0)	(8)
Skin	(8)	(0)	(0)	(0)	(0)	(8)

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MUSCULOSKELETAL SYSTEM

Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle Atrophy	(8)	(0)	(0)	(0)	(8)	(8) 7 (88%)

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)	(0)	(8) 1 (13%)	(7) 7 (100%)
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(8)	(8)
Spinal Cord, Lumbar	(8)	(0)	(0)	(0)	(8)	(8)
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)
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)

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Lumen, Dilatation						7 (88%)

*** END OF REPORT ***

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