

Experiment Number: 20313 - 02

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 09/21/2016

Test Type: 90-DAY

Acrylamide

Time Report Requested: 11:18:09

Route: DOSED WATER

CAS Number: 79-06-1

First Dose M/F: 07/12/04 / 07/12/04

Species/Strain: MICE/B6C3F1/NCTR

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
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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		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 [1.0]
Tension Lipidosis	1 [2.0]					1 [2.0]
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)
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a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Lab: NCTR

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 [1.0]					
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 [3.0]		1 [3.0]			
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 [1.3]

## 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
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle Atrophy	(8)	(0)	(0)	(8)	(8)	(8)
						3 [1.3]
<b>NERVOUS SYSTEM</b>						
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 [1.0]
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(8)	(8)
Spinal Cord, Lumbar Axon, Degeneration	(8)	(0)	(0)	(0)	(8)	(8)
						8 [1.0]
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(8)	(8)
<b>RESPIRATORY SYSTEM</b>						
Lung	(8)	(0)	(0)	(0)	(0)	(8)
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(8)	(0)	(0)	(0)	(0)	(8)
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
<b>URINARY SYSTEM</b>						
Kidney	(8)	(0)	(0)	(0)	(0)	(8)

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

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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 [3.9]

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\*\*\* END OF MALE \*\*\*

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

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Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	Control	10 ug/ml	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
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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		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 [1.0]			
Tension Lipidosis						1 [2.0]
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 [1.0]					

## ENDOCRINE SYSTEM

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

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Adrenal Cortex	(8)	(0)	(0)	(0)	(0)	(8)
Subcapsular, Hyperplasia	8 [1.0]					8 [1.1]
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
Cyst			1			
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 [2.0]		
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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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	Control	10 ug/ml	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone, Femur	(8)	(0)	(0)	(0)	(0)	(8)
Skeletal Muscle	(8)	(0)	(0)	(8)	(8)	(8)
Atrophy						5 [1.2]
<b>NERVOUS SYSTEM</b>						
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	(8)	(0)	(0)	(8)	(8)	(8)
Axon, Degeneration						8 [1.4]
Spinal Cord, Cervical	(8)	(0)	(0)	(0)	(8)	(8)
Spinal Cord, Lumbar	(8)	(0)	(0)	(0)	(8)	(8)
Axon, Degeneration						7 [1.0]
Spinal Cord, Thoracic	(8)	(0)	(0)	(0)	(8)	(8)
<b>RESPIRATORY SYSTEM</b>						
Lung	(8)	(0)	(0)	(0)	(0)	(8)
Nose	(8)	(0)	(0)	(0)	(0)	(8)
Trachea	(8)	(0)	(0)	(0)	(0)	(8)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(8)	(0)	(0)	(1)	(0)	(8)
Lens, Developmental Malformation				1		
Harderian Gland	(8)	(0)	(0)	(0)	(0)	(8)
<b>URINARY SYSTEM</b>						

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)



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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
Kidney	(8)	(0)	(0)	(0)	(0)	(8)
Urinary Bladder	(8)	(0)	(0)	(0)	(0)	(8)
Lumen, Dilatation						4 [2.8]

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\*\*\* END OF REPORT \*\*\*

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

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)