

**TDMSE No.** 20313 - 06

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

**Date Report Requested:** 01/15/2010

**Test Type:** CHRONIC

Acrylamide

**Time Report Requested:** 14:38:52

**Route:** DOSED WATER

**CAS Number:** 79-06-1

**First Dose M/F:** 05/26/05 / 05/26/05

**Species/Strain:** MICE/B6C3F1/NCTR

**Lab:** NCTR

**C Number:** C20313  
**Lock Date:** 01/14/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.2.0

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Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE MALE	0.70 ACRYL	0.35 ACRYL	0.175 ACRYL	0.0875 ACRYL	CONTROL WATER
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>
<b>Early Deaths</b>					
<b>Moribund Sacrifice</b>	<b>9</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>2</b>
<b>Natural Death</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>6</b>
<b>Survivors</b>					
<b>Moribund Sacrifice</b>	<b>3</b>		<b>4</b>		<b>1</b>
<b>Natural Death</b>	<b>1</b>			<b>2</b>	
<b>Terminal Sacrifice</b>	<b>28</b>	<b>38</b>	<b>37</b>	<b>39</b>	<b>39</b>
<b>Animals Examined Microscopically</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>

**ALIMENTARY SYSTEM**

Gallbladder	(41)	(45)	(45)	(42)	(43)
Inflammation, Suppurative		1 [2.0]			
Inflammation, Chronic Active	1 [3.0]				
Lumen, Dilatation					1 [3.0]
Intestine Large, Cecum	(40)	(46)	(45)	(44)	(43)
Hyperplasia, Lymphoid		1 [2.0]	2 [1.5]	6 [1.3]	4 [1.8]
Intestine Small, Duodenum	(40)	(45)	(45)	(44)	(43)
Hyperplasia, Lymphoid			1 [3.0]		
Intestine Small, Ileum	(41)	(46)	(45)	(44)	(43)
Angiectasis	1 [2.0]				
Hyperplasia, Lymphoid				1 [3.0]	1 [3.0]
Intestine Small, Jejunum	(42)	(46)	(45)	(44)	(44)
Hyperplasia, Lymphoid	2 [1.5]	1 [2.0]	1 [2.0]	1 [3.0]	
Inflammation, Suppurative		1 [4.0]			
Necrosis		1 [4.0]			
Liver	(47)	(46)	(47)	(48)	(46)
Angiectasis		1 [2.0]			
Basophilic Focus	1	1	1	3	
Basophilic Focus, Multiple		1			
Hematopoietic Cell Proliferation	2 [3.0]		2 [1.5]		
Infiltration Cellular, Lymphocyte		2 [1.0]		1 [1.0]	3 [1.3]
Inflammation, Chronic			1 [3.0]		

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Inflammation, Chronic Active	1 [4.0]				2 [1.0]
Necrosis			2 [4.0]	2 [3.5]	
Thrombosis					1 [4.0]
Vacuolization Cytoplasmic		1 [3.0]			
Mesentery	(0)	(1)	(0)	(1)	(0)
Fat, Necrosis		1 [4.0]		1 [3.0]	
Oral Mucosa	(0)	(0)	(0)	(0)	(1)
Pancreas	(46)	(47)	(47)	(46)	(45)
Edema					1 [4.0]
Infiltration Cellular, Lymphocyte		3 [1.0]	3 [1.0]	2 [1.0]	2 [1.0]
Inflammation, Chronic Active	1 [2.0]				
Acinus, Degeneration	2 [1.5]	3 [1.0]	4 [1.3]	5 [1.6]	3 [1.0]
Duct, Dilatation		1 [2.0]	1 [2.0]	1 [2.0]	
Salivary Glands	(45)	(47)	(47)	(46)	(45)
Infiltration Cellular, Lymphocyte	13 [1.1]	18 [1.0]	23 [1.1]	20 [1.2]	17 [1.2]
Inflammation, Chronic Active	1 [2.0]				
Stomach, Forestomach	(44)	(47)	(46)	(45)	(46)
Keratin Cyst	1	5		1	2
Ulcer	1 [1.0]				
Epithelium, Hyperplasia	8 [2.3]	3 [2.3]	3 [2.7]	1 [2.0]	
Stomach, Glandular	(41)	(46)	(46)	(45)	(44)
Inflammation, Chronic Active					1 [3.0]
Epithelium, Hyperplasia					1 [4.0]
Tongue	(1)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>					
Blood Vessel	(48)	(47)	(46)	(47)	(47)
Heart	(48)	(47)	(47)	(47)	(47)
Cardiomyopathy		1 [1.0]			
Polyarteritis			1 [1.0]		
<b>ENDOCRINE SYSTEM</b>					
Adrenal Cortex	(44)	(47)	(47)	(46)	(45)

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Accessory Adrenal Cortical Nodule			1		1
Hyperplasia				1 [3.0]	1 [2.0]
Hyperplasia, Lymphoid					1 [1.0]
Hypertrophy	1 [2.0]	1 [2.0]	1 [3.0]		1 [2.0]
Metaplasia, Osseous			1 [1.0]		
Subcapsular, Hyperplasia	31 [1.3]	39 [1.4]	41 [1.2]	39 [1.4]	35 [1.2]
Adrenal Medulla	(44)	(47)	(46)	(44)	(44)
Hyperplasia	1 [3.0]				
Islets, Pancreatic	(46)	(47)	(47)	(46)	(46)
Hyperplasia	1 [2.0]	1 [2.0]	1 [4.0]	1 [2.0]	1 [2.0]
Parathyroid Gland	(41)	(44)	(44)	(44)	(43)
Cyst	1 [2.0]				
Pituitary Gland	(42)	(45)	(46)	(47)	(44)
Pars Distalis, Cyst		1 [2.0]		1 [1.0]	1 [2.0]
Thyroid Gland	(47)	(47)	(46)	(46)	(46)
Cyst				1 [1.0]	2 [2.0]
Ectopic Thymus			1 [2.0]		
Infiltration Cellular, Lymphocyte		1 [1.0]			1 [1.0]
Polyarteritis			1 [1.0]		
Follicle, Degeneration	5 [1.2]	5 [1.0]	5 [1.0]	3 [1.0]	5 [1.4]
Follicular Cell, Hyperplasia	1 [1.0]				

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(44)	(47)	(47)	(46)	(46)
Angiectasis			1 [2.0]		
Exfoliated Germ Cell	1 [3.0]				
Hypospermia		3 [2.3]			2 [2.5]
Infiltration Cellular, Lymphocyte	1 [1.0]		1 [1.0]		
Inflammation, Suppurative			1 [2.0]		
Inflammation, Chronic Active	1 [2.0]			1 [2.0]	

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Spermatocoele	1 [3.0]		2 [3.0]		
Penis	(1)	(0)	(1)	(0)	(0)
Inflammation, Suppurative			1 [2.0]		
Inflammation, Chronic Active	1 [3.0]				
Necrosis	1 [4.0]				
Ulcer	1 [4.0]				
Epithelium, Hyperplasia			1 [2.0]		
Preputial Gland	(46)	(47)	(47)	(46)	(44)
Angiectasis	1 [2.0]				
Cyst	2 [2.5]	4 [2.0]	6 [2.2]	3 [2.0]	4 [3.0]
Degeneration	15 [3.1]	12 [3.2]	9 [2.6]	8 [2.5]	9 [2.6]
Dysplasia, Focal	1 [3.0]				
Hemorrhage					1 [1.0]
Infiltration Cellular, Lymphocyte	3 [2.0]	1 [2.0]	4 [1.3]	2 [1.0]	6 [1.3]
Inflammation, Suppurative	8 [2.3]	4 [2.8]	1 [3.0]		1 [2.0]
Inflammation, Chronic		1 [4.0]			
Inflammation, Chronic Active	7 [2.0]	9 [2.1]	2 [2.0]	6 [2.0]	2 [1.5]
Duct, Dilatation	2 [4.0]	2 [4.0]	1 [3.0]		
Prostate	(44)	(47)	(47)	(45)	(45)
Infiltration Cellular, Lymphocyte		1 [1.0]			
Inflammation, Chronic Active	1 [4.0]				
Seminal Vesicle	(44)	(47)	(47)	(46)	(45)
Inflammation, Chronic Active	1 [2.0]				
Lumen, Dilatation				2 [2.5]	
Testes	(43)	(47)	(46)	(44)	(45)
Mineralization				1 [1.0]	
Spermatocoele					1 [3.0]
Seminiferous Tubule, Degeneration	8 [1.6]	6 [2.3]	4 [1.5]		7 [2.1]

## HEMATOPOIETIC SYSTEM

Bone Marrow	(44)	(47)	(47)	(47)	(46)
Hyperplasia	5 [2.2]	2 [3.0]	3 [2.7]	2 [2.0]	3 [2.7]
Thrombosis		2 [3.5]			
Lymph Node	(11)	(4)	(4)	(2)	(3)

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Axillary, Hyperplasia, Lymphoid		1 [2.0]	1 [4.0]		1 [3.0]
Axillary, Infiltration Cellular, Plasma Cell			1 [4.0]		
Fat, Inguinal, Inflammation, Suppurative				1 [4.0]	
Fat, Inguinal, Necrosis				1 [4.0]	
Inguinal, Hyperplasia, Lymphoid					1 [2.0]
Lumbar, Fibrosis	1 [4.0]				
Lumbar, Hyperplasia, Lymphoid		1 [2.0]			
Lumbar, Infiltration Cellular, Plasma Cell			2 [3.0]		
Mediastinal, Hyperplasia, Lymphoid	1 [1.0]			1 [2.0]	
Mediastinal, Infiltration Cellular, Plasma Cell				1 [2.0]	
Renal, Hyperplasia, Lymphoid	1 [3.0]				
Renal, Infiltration Cellular, Plasma Cell			2 [3.0]		
Lymph Node, Mandibular	(46)	(47)	(47)	(45)	(47)
Hemorrhage	1 [2.0]				
Hyperplasia, Lymphoid	6 [2.0]	9 [1.6]	6 [1.8]		4 [1.5]
Infiltration Cellular, Histiocyte		1 [2.0]			
Infiltration Cellular, Plasma Cell	1 [2.0]	4 [2.3]	3 [2.0]	1 [3.0]	1 [2.0]
Infiltration Cellular, Polymorphonuclear	1 [2.0]				
Lymph Node, Mesenteric	(45)	(46)	(47)	(45)	(44)
Angiectasis	2 [2.0]	5 [2.0]	3 [2.3]	4 [2.0]	6 [2.3]
Erythrophagocytosis		1 [4.0]			
Hematopoietic Cell Proliferation			1 [2.0]		1 [3.0]
Hemorrhage	4 [1.8]	4 [2.3]	1 [2.0]	9 [2.3]	8 [2.4]
Hyperplasia, Lymphoid	11 [2.0]	16 [1.9]	7 [1.9]	14 [1.9]	12 [1.9]
Infiltration Cellular, Histiocyte		1 [4.0]		1 [2.0]	
Infiltration Cellular, Mast Cell		2 [2.5]		1 [2.0]	
Infiltration Cellular, Plasma Cell	1 [4.0]				1 [3.0]
Infiltration Cellular, Polymorphonuclear			1 [2.0]		
Inflammation, Chronic Active	1 [4.0]				
Thrombosis				1 [2.0]	1 [1.0]
Sinus, Dilatation		3 [2.3]	1 [2.0]	3 [2.0]	4 [2.3]
Spleen	(45)	(47)	(46)	(47)	(45)
Angiectasis					1 [2.0]
Atrophy	1 [3.0]				
Depletion Lymphoid		2 [3.5]			
Developmental Malformation	1				

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Hematopoietic Cell Proliferation	14 [3.3]	6 [3.3]	9 [3.3]	6 [3.0]	5 [3.0]
Hyperplasia, Lymphoid	21 [2.4]	32 [2.6]	27 [2.5]	32 [2.7]	32 [2.2]
Hyperplasia, Stromal	1 [2.0]				
Necrosis	1 [2.0]				
Pigmentation	1 [2.0]		2 [2.0]		
Thymus	(40)	(42)	(41)	(42)	(43)
Atrophy	21 [2.9]	18 [2.9]	21 [2.8]	23 [3.0]	18 [2.7]
Cyst			1 [2.0]		
Hyperplasia, Lymphoid			2 [2.5]		1 [3.0]
<b>INTEGUMENTARY SYSTEM</b>					
Skin	(46)	(47)	(47)	(47)	(47)
Fibrosis	1 [3.0]		2 [3.5]		2 [4.0]
Inflammation, Suppurative				1 [3.0]	
Inflammation, Chronic Active	2 [2.0]	2 [2.0]	5 [1.8]	2 [2.0]	1 [2.0]
Mineralization		1 [4.0]			1 [4.0]
Ulcer	1 [3.0]		3 [3.3]	3 [3.0]	1 [3.0]
Epithelium, Hyperplasia	2 [2.5]	2 [1.5]	3 [1.7]	1 [1.0]	
Sebaceous Gland, Hyperplasia	1 [2.0]				
<b>MUSCULOSKELETAL SYSTEM</b>					
Bone, Femur	(48)	(48)	(48)	(48)	(48)
Fibro-Osseous Lesion	1 [2.0]				
Skeletal Muscle	(44)	(47)	(47)	(46)	(45)
Degeneration			1 [2.0]		
<b>NERVOUS SYSTEM</b>					
Brain, Brain Stem	(45)	(47)	(47)	(46)	(46)
Mineralization	27 [1.0]	33 [1.0]	32 [1.0]	27 [1.0]	32 [1.0]
Brain, Cerebellum	(45)	(47)	(47)	(46)	(46)
Gliosis				1 [1.0]	

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Hemorrhage		1 [1.0]			1 [2.0]
Necrosis	1 [1.0]				
Neuron, Depletion				1 [1.0]	
Brain, Cerebrum	(45)	(47)	(47)	(46)	(46)
Hemorrhage					1 [2.0]
Infiltration Cellular, Mononuclear Cell			1 [1.0]	1 [1.0]	2 [1.0]
Inflammation, Suppurative	1 [1.0]				
Mineralization	18 [1.0]	27 [1.0]	28 [1.1]	20 [1.0]	28 [1.1]
Hippocampus, Gliosis		1 [2.0]			
Hippocampus, Neuron, Depletion		1 [2.0]			
Peripheral Nerve, Sciatic	(45)	(47)	(47)	(46)	(46)
Infiltration Cellular, Mononuclear Cell			2 [1.0]		
Axon, Degeneration	24 [1.1]	24 [1.1]	26 [1.0]	26 [1.1]	29 [1.1]
Spinal Cord, Cervical	(46)	(46)	(47)	(45)	(46)
Axon, Degeneration	6 [1.0]	3 [1.0]	7 [1.0]	4 [1.0]	5 [1.0]
Nerve, Degeneration	1 [1.0]				
Neuron, Degeneration	1 [1.0]				
Spinal Cord, Lumbar	(46)	(47)	(47)	(45)	(46)
Infiltration Cellular, Mononuclear Cell			2 [1.0]	1 [1.0]	
Axon, Degeneration	19 [1.0]	21 [1.0]	20 [1.0]	24 [1.0]	25 [1.0]
Nerve, Degeneration	35 [1.1]	34 [1.1]	39 [1.0]	34 [1.0]	36 [1.1]
Neuron, Degeneration		1 [1.0]	1 [1.0]		
Spinal Cord, Thoracic	(47)	(47)	(47)	(45)	(46)
Hemorrhage		1 [1.0]			
Infiltration Cellular, Mononuclear Cell		1 [1.0]			
Axon, Degeneration	29 [1.0]	36 [1.0]	37 [1.0]	36 [1.0]	38 [1.0]
Neuron, Degeneration	1 [1.0]				

RESPIRATORY SYSTEM

Lung	(48)	(45)	(47)	(46)	(47)
Hemorrhage			1 [2.0]		
Infiltration Cellular, Histiocyte	4 [3.8]	1 [4.0]	1 [4.0]		2 [3.5]
Inflammation, Chronic Active	1 [2.0]				1 [1.0]
Alveolar Epithelium, Hyperplasia	9 [2.1]	4 [1.8]	3 [1.7]		

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Nose	(46)	(47)	(47)	(45)	(45)
Hyaline Droplet	2 [2.0]	2 [2.0]	11 [2.1]	6 [1.7]	4 [2.0]
Posterior To Upper Incisor, Dysplasia					1 [4.0]
<b>SPECIAL SENSES SYSTEM</b>					
Eye	(41)	(44)	(45)	(44)	(44)
Cataract	9 [1.3]	6 [1.3]	4 [1.8]	6 [1.3]	3 [1.3]
Phthisis Bulbi	1				
Bilateral, Cataract			1 [3.0]		
Cornea, Inflammation, Chronic Active	2 [1.5]	4 [2.3]	1 [2.0]		
Cornea, Ulcer		1 [4.0]			
Harderian Gland	(47)	(47)	(47)	(46)	(46)
Hyperplasia	2 [1.5]				
Infiltration Cellular, Lymphocyte					2 [1.0]
Inflammation, Chronic Active	1 [3.0]				
<b>URINARY SYSTEM</b>					
Kidney	(44)	(47)	(47)	(46)	(45)
Autolysis				1 [4.0]	
Cyst					1 [1.0]
Hyaline Droplet	1 [4.0]			2 [2.5]	3 [3.7]
Hydronephrosis			1 [4.0]		
Infarct	1 [2.0]		1 [2.0]		
Infiltration Cellular, Lymphocyte	8 [1.1]	19 [1.1]	19 [1.4]	21 [1.1]	22 [1.3]
Inflammation, Chronic Active	2 [3.5]				
Metaplasia, Osseous	1 [1.0]	1 [1.0]	2 [1.5]	1 [1.0]	
Mineralization			1 [3.0]		
Nephropathy	16 [1.2]	15 [1.1]	12 [1.5]	8 [1.0]	13 [1.0]
Polyarteritis			1 [1.0]		
Capsule, Inflammation, Chronic Active				1 [3.0]	
Transitional Epithelium, Hyperplasia	1 [2.0]				
Urinary Bladder	(43)	(45)	(46)	(47)	(46)
Infiltration Cellular, Lymphocyte	1 [4.0]	3 [1.3]	4 [1.3]	2 [1.0]	8 [1.0]

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Infiltration Cellular, Plasma Cell	1 [4.0]		1 [2.0]		
Inflammation, Chronic Active	2 [3.5]		1 [4.0]		
Ulcer	1 [4.0]				
Lumen, Dilatation	7 [3.4]	3 [3.0]	3 [3.7]	4 [3.8]	3 [3.0]

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

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

Test Type: CHRONIC

Acrylamide

Time Report Requested: 14:38:52

Route: DOSED WATER

CAS Number: 79-06-1

First Dose M/F: 05/26/05 / 05/26/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE      0.70 ACRYL      0.35 ACRYL      0.175 ACRYL      0.0875 ACRYL      CONTROL WATER

**Disposition Summary**

<b>Animals Initially In Study</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>
<b>Early Deaths</b>					
<b>Accidentally Killed</b>			<b>2</b>		
<b>Moribund Sacrifice</b>	<b>17</b>	<b>17</b>	<b>8</b>	<b>6</b>	<b>4</b>
<b>Natural Death</b>	<b>10</b>	<b>3</b>		<b>4</b>	<b>2</b>
<b>Survivors</b>					
<b>Moribund Sacrifice</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>
<b>Natural Death</b>	<b>1</b>			<b>1</b>	<b>1</b>
<b>Terminal Sacrifice</b>	<b>15</b>	<b>25</b>	<b>36</b>	<b>36</b>	<b>39</b>
<b>Animals Examined Microscopically</b>	<b>47</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>

**ALIMENTARY SYSTEM**

Gallbladder	(37)	(44)	(47)	(43)	(45)
Lumen, Dilatation					2 [4.0]
Intestine Large, Cecum	(37)	(45)	(47)	(44)	(45)
Hyperplasia, Lymphoid Epithelium, Hyperplasia	1 [1.0]			1 [3.0]	2 [1.5]
Intestine Large, Colon	(37)	(45)	(48)	(44)	(45)
Intestine Large, Rectum	(38)	(45)	(47)	(44)	(45)
Intestine Small, Duodenum	(37)	(45)	(47)	(44)	(45)
Hyperplasia, Lymphoid	1 [2.0]				
Intestine Small, Ileum	(37)	(45)	(47)	(44)	(45)
Hyperplasia, Lymphoid					1 [2.0]
Intestine Small, Jejunum	(37)	(44)	(47)	(43)	(45)
Hyperplasia, Lymphoid				1 [3.0]	1 [3.0]
Liver	(44)	(46)	(48)	(47)	(47)
Angiectasis	2 [2.5]	1 [2.0]		1 [3.0]	
Autolysis	2 [4.0]	1 [4.0]			
Basophilic Focus	2	1			
Eosinophilic Focus	1		3		
Hematopoietic Cell Proliferation	1 [1.0]	5 [1.4]	2 [1.5]	1 [3.0]	3 [2.0]
Hemorrhage				1 [4.0]	
Infiltration Cellular, Lymphocyte	1 [1.0]	9 [1.3]	10 [1.2]	12 [1.2]	7 [1.4]

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Acrylamide

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Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 ACRYL	0.35 ACRYL	0.175 ACRYL	0.0875 ACRYL	CONTROL WATER
Infiltration Cellular, Mast Cell			1 [2.0]		
Inflammation, Suppurative					1 [2.0]
Inflammation, Chronic Active	5 [1.4]	2 [1.0]		2 [1.5]	
Mineralization	1 [1.0]				
Necrosis	3 [3.0]	1 [4.0]	2 [2.5]	2 [3.0]	3 [3.3]
Polyarteritis					1 [1.0]
Tension Lipidosis	1 [2.0]		1 [2.0]		
Vacuolization Cytoplasmic	1 [1.0]	4 [1.5]	2 [2.0]		5 [1.8]
Oval Cell, Hyperplasia				1 [4.0]	
Mesentery	(2)	(1)	(0)	(0)	(0)
Fat, Necrosis		1 [2.0]			
Pancreas	(40)	(45)	(48)	(45)	(46)
Cyst					1 [3.0]
Infiltration Cellular, Lymphocyte	3 [1.7]	5 [1.0]	7 [1.1]	7 [1.1]	6 [1.5]
Inflammation, Chronic Active					1 [4.0]
Polyarteritis					1 [1.0]
Acinus, Degeneration		1 [1.0]	2 [2.0]		2 [3.0]
Duct, Dilatation					1 [4.0]
Salivary Glands	(42)	(45)	(48)	(46)	(47)
Hyperplasia			1 [4.0]		
Infiltration Cellular, Lymphocyte	17 [1.3]	24 [1.3]	25 [1.4]	28 [1.3]	23 [1.2]
Acinus, Degeneration			1 [2.0]		
Stomach, Forestomach	(42)	(45)	(48)	(46)	(46)
Autolysis	1 [4.0]				
Diverticulum				1 [4.0]	
Keratin Cyst					2
Ulcer		1 [2.0]		3 [2.0]	2 [2.0]
Epithelium, Hyperplasia	11 [2.3]	4 [2.3]	4 [2.3]	9 [2.2]	5 [2.6]
Serosa, Inflammation, Chronic Active					1 [3.0]
Stomach, Glandular	(39)	(45)	(48)	(44)	(45)
Autolysis	1 [4.0]				
Cyst		1 [1.0]			
Epithelium, Hyperplasia	1 [2.0]	2 [3.5]			
Tongue	(0)	(1)	(1)	(0)	(1)
Inflammation, Chronic Active			1 [2.0]		
Ulcer			1 [3.0]		

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CARDIOVASCULAR SYSTEM

Blood Vessel	(45)	(45)	(48)	(47)	(46)
Heart	(44)	(46)	(48)	(47)	(48)
Cardiomyopathy	1 [2.0]				
Inflammation, Suppurative					1 [4.0]
Polyarteritis					1 [1.0]
Thrombosis	1 [4.0]				

ENDOCRINE SYSTEM

Adrenal Cortex	(41)	(45)	(48)	(46)	(45)
Accessory Adrenal Cortical Nodule	2				1
Angiectasis				1 [4.0]	
Hypertrophy		1 [3.0]	1 [2.0]		1 [4.0]
Infiltration Cellular, Polymorphonuclear				1 [2.0]	
Vacuolization Cytoplasmic				1 [2.0]	1 [2.0]
Subcapsular, Hyperplasia	38 [2.2]	45 [2.1]	48 [2.0]	45 [1.9]	45 [2.0]
Adrenal Medulla	(41)	(43)	(48)	(45)	(45)
Mineralization					1 [3.0]
Islets, Pancreatic	(40)	(45)	(48)	(46)	(46)
Hyperplasia	2 [1.5]	2 [2.0]	1 [1.0]	1 [1.0]	
Parathyroid Gland	(41)	(43)	(45)	(46)	(41)
Cyst		1 [2.0]	2 [2.5]		1 [2.0]
Pituitary Gland	(42)	(44)	(47)	(45)	(45)
Angiectasis				1 [2.0]	
Compression					1 [3.0]
Pars Distalis, Cyst				1 [2.0]	
Pars Distalis, Hyperplasia	2 [3.5]	4 [2.3]	2 [2.0]	2 [2.0]	
Thyroid Gland	(41)	(45)	(48)	(46)	(46)
Cyst	1 [3.0]	2 [2.0]	1 [2.0]		1 [2.0]
Ectopic Thymus				2 [1.0]	1 [2.0]
Infiltration Cellular, Lymphocyte	2 [1.5]	2 [1.0]	1 [1.0]	1 [1.0]	2 [1.5]
Polyarteritis					1 [2.0]

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Follicle, Degeneration	2 [1.0]	6 [1.3]	7 [1.3]	2 [1.0]	2 [1.5]
Follicular Cell, Hyperplasia				1 [2.0]	
<b>GENERAL BODY SYSTEM</b>					
Tissue NOS	(3)	(0)	(0)	(0)	(0)
<b>GENITAL SYSTEM</b>					
Clitoral Gland	(41)	(45)	(47)	(47)	(44)
Atrophy		1 [4.0]			1 [4.0]
Degeneration	38 [4.0]	43 [4.0]	45 [4.0]	47 [4.0]	43 [4.0]
Infiltration Cellular, Lymphocyte		1 [2.0]			
Inflammation, Suppurative	1 [2.0]				
Ovary	(42)	(45)	(48)	(45)	(46)
Angiectasis	4 [3.5]	1 [4.0]	1 [3.0]	2 [3.0]	
Atrophy	30 [3.9]	38 [3.8]	45 [3.9]	43 [3.9]	45 [4.0]
Cyst	17 [2.9]	17 [3.1]	10 [3.0]	14 [2.3]	4 [2.8]
Degeneration		1 [4.0]			
Hemorrhage	4 [3.5]	1 [4.0]		1 [2.0]	
Thrombosis	3 [3.7]	2 [4.0]	1 [3.0]	1 [4.0]	
Bilateral, Cyst	1 [4.0]	3 [3.3]	2 [2.5]	4 [3.3]	4 [2.3]
Fat, Necrosis		1 [3.0]			
Granulosa Cell, Hyperplasia	1 [4.0]				
Uterus	(41)	(46)	(48)	(45)	(47)
Angiectasis	1 [4.0]		1 [2.0]		1 [2.0]
Autolysis		1 [4.0]			
Edema	2 [4.0]				
Hemorrhage	2 [3.5]		1 [4.0]	1 [4.0]	
Hydrometra	1 [4.0]	1 [4.0]	4 [4.0]	2 [4.0]	4 [4.0]
Hyperplasia, Stromal	1 [4.0]				
Infiltration Cellular, Lymphocyte					1 [2.0]
Inflammation, Suppurative					1 [3.0]
Necrosis					1 [4.0]
Thrombus	2 [3.0]				

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Endometrium, Hyperplasia, Cystic Vagina	30 [2.2] (0)	38 [2.3] (1)	41 [2.3] (0)	42 [2.8] (0)	43 [2.9] (0)
<b>HEMATOPOIETIC SYSTEM</b>					
Bone Marrow	(42)	(45)	(48)	(46)	(45)
Hyperplasia	6 [2.7]	5 [3.4]	1 [3.0]	4 [3.0]	2 [3.0]
Lymph Node	(8)	(15)	(4)	(9)	(8)
Axillary, Hyperplasia, Lymphoid				1 [1.0]	
Inguinal, Hyperplasia, Lymphoid		1 [2.0]		1 [2.0]	
Lumbar, Hyperplasia, Lymphoid	1 [3.0]	1 [1.0]		2 [3.0]	5 [1.6]
Lumbar, Infiltration Cellular, Plasma Cell					2 [3.0]
Lumbar, Infiltration Cellular, Polymorphonuclear		1 [4.0]			
Mediastinal, Hyperplasia, Lymphoid		1 [2.0]			
Pancreatic, Hemorrhage				1 [4.0]	
Pancreatic, Hyperplasia, Lymphoid	1 [3.0]			1 [1.0]	
Renal, Hyperplasia, Lymphoid	1 [2.0]	1 [3.0]		3 [2.3]	
Renal, Infiltration Cellular, Plasma Cell					1 [3.0]
Renal, Infiltration Cellular, Polymorphonuclear		1 [4.0]			
Thoracic, Infiltration Cellular, Plasma Cell		1 [1.0]			
Lymph Node, Mandibular	(41)	(45)	(48)	(47)	(45)
Hematopoietic Cell Proliferation				1 [4.0]	
Hyperplasia, Lymphoid	6 [1.7]	13 [1.7]	15 [1.9]	10 [1.6]	5 [1.6]
Infiltration Cellular, Plasma Cell	1 [2.0]	3 [2.3]	3 [2.0]	1 [2.0]	
Lymph Node, Mesenteric	(42)	(44)	(46)	(46)	(44)
Angiectasis	1 [3.0]		1 [1.0]		
Hematopoietic Cell Proliferation			1 [3.0]		
Hemorrhage	1 [3.0]		1 [3.0]		
Hyperplasia, Lymphoid	5 [2.2]	8 [1.6]	12 [2.1]	11 [1.9]	12 [1.8]
Infiltration Cellular, Histiocyte		1 [3.0]			
Infiltration Cellular, Plasma Cell			1 [3.0]		
Inflammation, Chronic Active			1 [4.0]		
Polyarteritis					1 [2.0]
Sinus, Dilatation	1 [2.0]				

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Lab: NCTR

C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE	0.70 ACRYL	0.35 ACRYL	0.175 ACRYL	0.0875 ACRYL	CONTROL WATER
Spleen	(44)	(45)	(48)	(46)	(46)
Angiectasis				1 [2.0]	
Autolysis	1 [4.0]				
Hematopoietic Cell Proliferation	18 [3.3]	14 [3.4]	6 [2.8]	10 [3.5]	5 [2.8]
Hyperplasia, Lymphoid	20 [3.0]	24 [2.8]	34 [3.1]	33 [2.9]	38 [2.7]
Infiltration Cellular, Mast Cell			1 [2.0]		
Pigmentation					1 [2.0]
Thymus	(39)	(45)	(46)	(44)	(40)
Angiectasis		1 [2.0]			
Atrophy	16 [3.1]	17 [3.1]	15 [2.7]	16 [3.3]	23 [3.0]
Cyst			1 [2.0]		
Hyperplasia, Lymphoid	1 [2.0]	2 [2.0]	6 [1.7]	4 [2.3]	5 [1.8]
Epithelium, Hyperplasia					1 [2.0]
<b>INTEGUMENTARY SYSTEM</b>					
Mammary Gland	(42)	(45)	(48)	(46)	(47)
Autolysis	1 [4.0]				
Cyst				1 [3.0]	
Fibrosis		1 [3.0]			
Alveolus, Hyperplasia	1 [4.0]	2 [2.5]		1 [4.0]	
Skin	(43)	(45)	(48)	(46)	(48)
Fibrosis		1 [3.0]			
Inflammation, Chronic Active		1 [3.0]			
Necrosis		1 [3.0]			
Sebaceous Gland, Hyperkeratosis		1 [3.0]			
Sebaceous Gland, Hyperplasia		1 [3.0]			
<b>MUSCULOSKELETAL SYSTEM</b>					
Bone, Femur	(47)	(47)	(48)	(48)	(48)
Fibro-Osseous Lesion			1 [2.0]		
Skeletal Muscle	(42)	(45)	(48)	(46)	(47)
Degeneration	1 [1.0]	1 [4.0]			
Infiltration Cellular, Lymphocyte		1 [1.0]	1 [1.0]		

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## NERVOUS SYSTEM

Brain, Brain Stem	(42)	(45)	(48)	(47)	(47)
Compression		1 [3.0]		1 [1.0]	
Hemorrhage					1 [3.0]
Infiltration Cellular, Mononuclear Cell				1 [1.0]	
Mineralization	16 [1.0]	24 [1.0]	33 [1.0]	24 [1.0]	31 [1.0]
Brain, Cerebellum	(41)	(45)	(48)	(47)	(47)
Infiltration Cellular, Lymphocyte				1 [1.0]	
Infiltration Cellular, Mononuclear Cell				1 [1.0]	
Brain, Cerebrum	(41)	(45)	(48)	(47)	(48)
Cyst Epithelial Inclusion					1
Gliosis				1 [2.0]	
Hemorrhage				1 [3.0]	1 [4.0]
Infiltration Cellular, Histiocyte	1 [1.0]				
Infiltration Cellular, Lymphocyte					1 [2.0]
Infiltration Cellular, Mononuclear Cell	1 [1.0]	2 [1.0]	1 [2.0]	2 [1.0]	1 [1.0]
Malformation					1 [1.0]
Mineralization	9 [1.0]	18 [1.0]	19 [1.0]	19 [1.1]	24 [1.0]
Necrosis				1 [1.0]	
Meninges, Pigmentation	1 [1.0]				1 [1.0]
Meninges, Perivascular, Polyarteritis					1 [1.0]
Peripheral Nerve, Sciatic	(42)	(45)	(48)	(47)	(46)
Infiltration Cellular, Mononuclear Cell	1 [1.0]	1 [1.0]	3 [1.0]		1 [1.0]
Axon, Degeneration	15 [1.2]	17 [1.2]	24 [1.3]	25 [1.2]	24 [1.0]
Nerve, Degeneration					2 [1.0]
Schwann Cell, Hyperplasia	1 [1.0]	1 [1.0]	3 [1.3]	1 [1.0]	
Spinal Cord, Cervical	(44)	(45)	(48)	(47)	(47)
Compression		1 [3.0]			
Cyst		1			
Demyelination					1 [2.0]
Gliosis				1 [1.0]	1 [2.0]
Infiltration Cellular, Lymphocyte					1 [1.0]
Infiltration Cellular, Mononuclear Cell		1 [1.0]		2 [1.0]	

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Axon, Degeneration	3 [1.0]	8 [1.1]	6 [1.0]	4 [1.0]	4 [1.0]
Spinal Cord, Lumbar	(45)	(45)	(48)	(47)	(47)
Infiltration Cellular, Lymphocyte					1 [1.0]
Infiltration Cellular, Mononuclear Cell	1 [1.0]	2 [1.0]	4 [1.0]	5 [1.0]	2 [1.0]
Polyarteritis					1 [1.0]
Axon, Degeneration	11 [1.0]	21 [1.0]	23 [1.0]	25 [1.0]	25 [1.0]
Nerve, Degeneration	32 [1.1]	32 [1.1]	38 [1.0]	37 [1.1]	38 [1.1]
Spinal Cord, Thoracic	(44)	(45)	(48)	(47)	(48)
Cyst		1			
Gliosis		1 [1.0]			
Infiltration Cellular, Lymphocyte					1 [1.0]
Infiltration Cellular, Mononuclear Cell		1 [1.0]	1 [1.0]	1 [1.0]	
Polyarteritis					1 [1.0]
Axon, Degeneration	22 [1.0]	33 [1.0]	34 [1.0]	34 [1.1]	41 [1.1]

RESPIRATORY SYSTEM

Lung	(45)	(45)	(48)	(47)	(47)
Autolysis	1 [4.0]				
Hemorrhage	1 [4.0]	1 [4.0]	2 [4.0]		1 [4.0]
Infiltration Cellular, Histiocyte	3 [2.0]	2 [1.5]	3 [1.3]		1 [3.0]
Infiltration Cellular, Lymphocyte		2 [1.5]	6 [1.7]	3 [1.3]	3 [1.3]
Inflammation, Chronic Active	1 [1.0]	1 [2.0]			
Mineralization			1 [1.0]		
Polyarteritis					1 [1.0]
Thrombosis		1 [1.0]			
Alveolar Epithelium, Hyperplasia	5 [2.4]	1 [1.0]	3 [2.7]	2 [1.5]	1 [2.0]
Nose	(43)	(45)	(47)	(46)	(47)
Hyaline Droplet			3 [2.0]	2 [2.0]	6 [1.8]
Inflammation, Suppurative	1 [1.0]				
Mucosa, Ulcer	1 [2.0]				

SPECIAL SENSES SYSTEM

Eye	(38)	(45)	(47)	(44)	(45)
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Cataract	11 [2.2]	10 [2.3]	7 [1.9]	2 [1.5]	2 [1.0]
Inflammation, Suppurative		1 [4.0]			
Inflammation, Chronic Active	1 [4.0]				
Phthisis Bulbi	1	3	2	1	
Bilateral, Cataract	2 [3.5]	1 [1.0]			1 [2.0]
Cornea, Degeneration	1 [3.0]				
Cornea, Inflammation, Suppurative		1 [3.0]			
Cornea, Inflammation, Chronic Active	3 [1.3]	2 [2.0]	3 [2.7]		
Cornea, Ulcer	1 [4.0]	2 [3.5]	1 [3.0]		
Harderian Gland	(43)	(47)	(48)	(44)	(45)
Autolysis		1 [4.0]			
Cyst			1 [4.0]	1 [4.0]	
Hyperplasia	2 [1.5]				
Infiltration Cellular, Lymphocyte	1 [1.0]	1 [1.0]		2 [1.0]	
Acinus, Degeneration			1 [4.0]		
<b>URINARY SYSTEM</b>					
Kidney	(40)	(45)	(48)	(46)	(47)
Autolysis					1 [4.0]
Cyst					1 [2.0]
Hyaline Droplet	2 [3.5]	2 [2.5]	2 [3.5]	4 [3.8]	
Infiltration Cellular, Lymphocyte	13 [1.1]	15 [1.3]	27 [1.4]	25 [1.2]	33 [1.2]
Metaplasia, Osseous		2 [1.0]			1 [2.0]
Nephropathy	5 [1.6]		2 [1.0]	1 [1.0]	2 [1.0]
Pigmentation	1 [2.0]				
Thrombosis	1 [3.0]				
Glomerulus, Amyloid Deposition				1 [3.0]	2 [3.0]
Glomerulus, Inflammation, Chronic				1 [4.0]	
Ureter	(1)	(0)	(0)	(0)	(0)
Urinary Bladder	(38)	(45)	(48)	(45)	(45)
Infiltration Cellular, Lymphocyte	13 [1.2]	11 [1.0]	23 [1.2]	20 [1.2]	25 [1.1]
Polyarteritis					1 [1.0]
Lumen, Dilatation	3 [3.0]	1 [3.0]	1 [2.0]		

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)

Test Type: CHRONIC

Acrylamide

Time Report Requested: 14:38:52

Route: DOSED WATER

CAS Number: 79-06-1

First Dose M/F: 05/26/05 / 05/26/05

Species/Strain: MICE/B6C3F1/NCTR

Lab: NCTR

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C57BL/6N XC3H/HEN MTV-NCTR MICE FEMALE

0.70 ACRYL

0.35 ACRYL

0.175 ACRYL

0.0875 ACRYL

CONTROL WATER

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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)