

**Experiment Number:** 20313 - 01  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 09/21/2016  
**Time Report Requested:** 15:04:22  
**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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FISCHER 344 RATS-NCTR RATS MALE CONTROL	DAY ON TEST								ANIMAL ID
	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	
	1	1	2	2	3	3	4	4	
	1	2	1	2	1	2	1	2	
									<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Large, Colon	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Small, Jejunum Inflammation, Acute	+	+	+	+	+	+	+	+	<b>8</b>	<b>1 3.0</b>
Liver Necrosis, Focal	+	+	+	+	+	+	+	+	<b>8</b>	<b>1 2.0</b>
Pancreas	+	+	+	+	+	+	+	+	<b>8</b>	
Salivary Glands	+	+	+	+	+	+	+	+	<b>8</b>	
Stomach, Forestomach	+	+	+	+	+	+	+	+	<b>8</b>	
Stomach, Glandular	+	+	+	+	+	+	+	+	<b>8</b>	
Tongue	+	+	+	+	+	+	+	+	<b>8</b>	

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 M .. Missing tissue  
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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DAY ON TEST	0	0	0	0	0	0	0	0
	<b>FISCHER 344 RATS-NCTR RATS MALE CONTROL</b>	1	1	1	1	1	1	1
ANIMAL ID	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4
	1	1	2	2	3	3	4	4
	1	2	1	2	1	2	1	2
								<b>* TOTALS</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	<b>8</b>
Heart	+	+	+	+	+	+	+	+	<b>8</b>
Myocardium, Inflammation, Focal	1	2	3	3	1		2		<b>6 2.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	<b>8</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	<b>8</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	<b>8</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	<b>8</b>
Pituitary Gland	+	+	+	+	+	+	+	+	<b>8</b>
Thyroid Gland	+	+	+	+	+	+	+	+	<b>8</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	<b>8</b>
Preputial Gland	+	+	+	+	+	+	+	+	<b>8</b>
Inflammation, Suppurative		2		2			2		<b>3 2.0</b>

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FISCHER 344 RATS-NCTR RATS MALE CONTROL	DAY ON TEST										
	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1			
	ANIMAL ID										
	0 4 1 1	0 4 1 2	0 4 2 1	0 4 2 2	0 4 3 1	0 4 3 2	0 4 4 1	0 4 4 2			* TOTALS
Inflammation, Chronic	2			2	2	2					4 2.0
Prostate Inflammation, Chronic	+	+	+	+	+	+	+	+			8 2 2.0
Seminal Vesicle Decreased Secretory Fluid Dilatation	+	+	+	+	+		+	+	X 2		8 1 1 2.0
Testes	+	+	+	+	+	+	+	+			8
<b>HEMATOPOIETIC SYSTEM</b>											
Bone Marrow	+	+	+	+	+	+	+	+			8
Lymph Node, Mandibular	+	+	+	+	+	+	+	+			8
Lymph Node, Mesenteric Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+			8 3 2.3
Spleen	+	+	+	+	+	+	+	+			8
Thymus Hemorrhage	+	+	+	+	+	+	+	+			8 1 2.0
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	+	+	+	+	+	+	+	+			8
Skin	+	+	+	+	+	+	+	+			8

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FISCHER 344 RATS-NCTR RATS MALE CONTROL	DAY ON TEST								ANIMAL ID
	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	
	1	1	2	2	3	3	4	4	
	1	2	1	2	1	2	1	2	
<b>* TOTALS</b>									

### MUSCULOSKELETAL SYSTEM

Bone, Femur	+	+	+	+	+	+	+	+	<b>8</b>
Skeletal Muscle	+	+	+	+	+	+	+	+	<b>8</b>

### NERVOUS SYSTEM

Brain, Brain Stem	+	+	+	+	+	+	+	+	<b>8</b>
Brain, Cerebellum	+	+	+	+	+	+	+	+	<b>8</b>
Brain, Cerebrum	+	+	+	+	+	+	+	+	<b>8</b>
Peripheral Nerve	+	+	+	+	+	+	+	+	<b>8</b>
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	<b>8</b>
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	<b>8</b>
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	<b>8</b>

### RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	<b>8</b>
Artery, Mineralization		1				2	1		<b>3 1.3</b>
Nose	+	+	+	+	+	+	+	+	<b>8</b>
Goblet Cell, Hyperplasia			1		1	2		2	<b>4 1.5</b>

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DAY ON TEST	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
<b>FISCHER 344 RATS-NCTR RATS MALE</b>	0	0	0	0	0	0	0	0	
<b>CONTROL</b>	1	1	1	1	1	1	1	1	
ANIMAL ID	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	
	1	1	2	2	3	3	4	4	
	1	2	1	2	1	2	1	2	
									<b>* TOTALS</b>
Trachea	+	+	+	+	+	+	+	+	<b>8</b>
<b>SPECIAL SENSES SYSTEM</b>									
Eye	+	+	+	+	+	+	+	+	<b>8</b>
Harderian Gland	+	+	+	+	+	+	+	+	<b>8</b>
<b>URINARY SYSTEM</b>									
Kidney	+	+	+	+	+	+	+	+	<b>8</b>
Hydronephrosis			2				2		<b>2 2.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	<b>8</b>

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 Lab: NCTR

DAY ON TEST		0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS-NCTR RATS MALE</b>	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1
	<hr/>								
<b>25 UG/ML</b>	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	2	2	
	7	7	8	8	9	9	0	0	
	1	2	1	2	1	2	1	2	
									<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+	1
Left Lateral Lobe, Developmental Malformation	X	1

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+ + + + + + + +	8
Preputial Gland	+	1
Inflammation, Suppurative	3	1 3.0
Testes	+ + + + + + + +	8

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

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

<b>FISCHER 344 RATS-NCTR RATS          MALE          25 UG/ML</b>	DAY ON TEST	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	
	ANIMAL ID	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0		
		1	1	1	1	1	2	2		
		7	7	8	8	9	9	0		
		1	2	1	2	1	2	1		
<b>* TOTALS</b>										

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

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 + .. Tissue examined microscopically  
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Experiment Number: 20313 - 01  
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		0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS-NCTR RATS MALE</b>	DAY ON TEST	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1
	<b>50 UG/ML</b>								
	ANIMAL ID	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	
		1	1	2	2	3	3	4	
		1	2	1	2	1	2	1	
<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

NONE

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	<b>8</b>
Exfoliated Germ Cell						1	1		<b>2 1.0</b>
Testes	+	+	+	+	+	+	+	+	<b>8</b>
Germinal Epithelium, Degeneration		1		1		1	1	1	<b>5 1.0</b>

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

NONE

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		0	0	0	0	0	0	0	0
DAY ON TEST		1	1	1	1	1	1	1	1
<b>FISCHER 344 RATS-NCTR RATS MALE</b>		0	0	0	0	0	0	0	0
<b>50 UG/ML</b>		1	1	1	1	1	1	1	1
ANIMAL ID		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		1	1	2	2	3	3	4	4
		1	2	1	2	1	2	1	2
<b>* TOTALS</b>									

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney	+								1
Hydronephrosis	2								1 2.0

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FISCHER 344 RATS-NCTR RATS MALE 100 UG/ML	DAY ON TEST								ANIMAL ID	
	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1	0 1 0 1		
	0	0	0	0	0	0	0	0	0 0 2 5 1	
	0	0	0	0	0	0	0	0	2 2 6 7 2	
	0	0	0	0	0	0	0	0	2 2 8 8 2	
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

Liver	+	<b>1</b>	
Left Lateral Lobe, Developmental Malformation	X		<b>1</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	<b>8</b>	
Exfoliated Germ Cell	1	2	1	1	1	1	1	1		<b>8 1.1</b>
Preputial Gland								+	<b>1</b>	
Inflammation, Chronic								4		<b>1 4.0</b>
Testes	+	+	+	+	+	+	+	+	<b>8</b>	
Germinal Epithelium, Degeneration	1	1	1	1	1	1	1	1		<b>8 1.0</b>

**HEMATOPOIETIC SYSTEM**

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DAY ON TEST	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
<b>FISCHER 344 RATS-NCTR RATS MALE</b>	0	0	0	0	0	0	0	0	
<b>100 UG/ML</b>	1	1	1	1	1	1	1	1	
ANIMAL ID	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	
	5	5	6	6	7	7	8	8	
	1	2	1	2	1	2	1	2	
									<b>* TOTALS</b>
Bone Marrow	+	+	+	+	+	+	+	+	<b>8</b>
Spleen	+	+	+	+	+	+	+	+	<b>8</b>
<b>INTEGUMENTARY SYSTEM</b>									
NONE									
<b>MUSCULOSKELETAL SYSTEM</b>									
Skeletal Muscle	+	+	+	+	+	+	+	+	<b>8</b>
<b>NERVOUS SYSTEM</b>									
Peripheral Nerve	+	+	+	+	+	+	+	+	<b>8</b>
<b>RESPIRATORY SYSTEM</b>									
NONE									
<b>SPECIAL SENSES SYSTEM</b>									
NONE									
<b>URINARY SYSTEM</b>									
NONE									

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 Lab: NCTR

		0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS-NCTR RATS MALE</b>	DAY ON TEST	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1
	<b>250 UG/ML</b>								
	ANIMAL ID	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	
		3	3	4	4	5	5	6	
		1	2	1	2	1	2	1	
<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	<b>8</b>
Liver	+	+	+	+	+	+	+	+	<b>8</b>
Hematopoietic Cell Proliferation							1		<b>1 1.0</b>
Left Lateral Lobe, Developmental Malformation		X							<b>1</b>
Pancreas	+	+	+	+	+	+	+	+	<b>8</b>
Salivary Glands	+	+	+	+	+	+	+	+	<b>8</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	<b>8</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	<b>8</b>
Tongue	+	+	+	+	+	+	+	+	<b>8</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1
FISCHER 344 RATS-NCTR RATS MALE	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1
250 UG/ML	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
ANIMAL ID	3	3	3	3	3	3	3	3
	3	3	4	4	5	5	6	6
	1	2	1	2	1	2	1	2
								<b>* TOTALS</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	<b>8</b>
Heart	+	+	+	+	+	+	+	+	<b>8</b>
Myocardium, Inflammation, Focal		1			1	1	1	1	<b>5 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	<b>8</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	<b>8</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	<b>8</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	<b>8</b>
Pituitary Gland	+	+	+	+	+	+	+	+	<b>8</b>
Pars Distalis, Cyst							X		<b>1</b>
Thyroid Gland	+	+	+	+	+	+	+	+	<b>8</b>
Inflammation, Chronic						1			<b>1 1.0</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	<b>8</b>
Exfoliated Germ Cell	3	4	4	3	3	2	3	4	<b>8 3.3</b>

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 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 250 UG/ML	DAY ON TEST								ANIMAL ID			
	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1				
	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1			
	0 3 3 1	0 3 3 2	0 3 4 1	0 3 4 2	0 3 5 1	0 3 5 2	0 3 6 1	0 3 6 2				
												<b>* TOTALS</b>
Hypospermia	3	4	4	4	2	2	3	4				<b>8 3.3</b>
Preputial Gland	+	+	+	+	+	+	+	+				<b>8</b>
Inflammation, Suppurative		2	3	3		2						<b>4 2.5</b>
Inflammation, Chronic					1		2					<b>2 1.5</b>
Prostate	+	+	+	+	+	+	+	+				<b>8</b>
Inflammation, Suppurative		3						2				<b>2 2.5</b>
Inflammation, Chronic	2											<b>1 2.0</b>
Seminal Vesicle	+	+	+	+	+	+	+	+				<b>8</b>
Testes	+	+	+	+	+	+	+	+				<b>8</b>
Germinal Epithelium, Degeneration	2	3	4	3	2	2	2	4				<b>8 2.8</b>
<b>HEMATOPOIETIC SYSTEM</b>												
Bone Marrow	+	+	+	+	+	+	+	+				<b>8</b>
Erythroid Cell, Hyperplasia	2	2	2	2	2	2	2	2				<b>8 2.0</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+				<b>8</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+				<b>8</b>
Spleen	+	+	+	+	+	+	+	+				<b>8</b>
Congestion	3		3	2	3	2	3	3				<b>7 2.7</b>
Pigmentation	3	3	3	2	3	2	3	3				<b>8 2.8</b>
Thymus	+	+	+	+	+	+	+	+				<b>8</b>

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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

		0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS-NCTR RATS MALE</b>	DAY ON TEST	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1
	<b>250 UG/ML</b>								
	ANIMAL ID	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	
		3	3	4	4	5	5	6	
		1	2	1	2	1	2	1	
<b>* TOTALS</b>									

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	<b>8</b>
Skin	+	+	+	+	+	+	+	+	<b>8</b>

**MUSCULOSKELETAL SYSTEM**

Bone, Femur	+	+	+	+	+	+	+	+	<b>8</b>
Skeletal Muscle Atrophy	+	+	+	+	+	+	+	+	<b>8</b>
	2	2	2	2	2	1			<b>6 1.8</b>

**NERVOUS SYSTEM**

Brain, Brain Stem	+	+	+	+	+	+	+	+	<b>8</b>
Brain, Cerebellum	+	+	+	+	+	+	+	+	<b>8</b>
Brain, Cerebrum	+	+	+	+	+	+	+	+	<b>8</b>
Peripheral Nerve	+	+	+	+	+	+	+	+	<b>8</b>
Axon, Degeneration	3	3	3	3	3	3	3	3	<b>8 3.0</b>
Schwann Cell, Degeneration	3	3	3	3	3	3	3	3	<b>8 3.0</b>
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	<b>8</b>
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	<b>8</b>
Axon, Degeneration	1	2	2	1	1	2	3	3	<b>8 1.9</b>

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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 250 UG/ML	DAY ON TEST								ANIMAL ID			
	0	0	0	0	0	0	0	0				
	1	1	1	1	1	1	1	1	0			
	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	0			
	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0			
	3	3	3	3	3	3	3	3	3			
	3	3	4	4	5	5	6	6	6			
	1	2	1	2	1	2	1	2	2			
	<b>* TOTALS</b>											
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+			<b>8</b>
<b>RESPIRATORY SYSTEM</b>												
Lung	+	+	+	+	+	+	+	+	+			<b>8</b>
Nose	+	+	+	+	+	+	+	+	+			<b>8</b>
Goblet Cell, Hyperplasia	1	1			2	2	2					<b>5 1.6</b>
Trachea	+	+	+	+	+	+	+	+	+			<b>8</b>
<b>SPECIAL SENSES SYSTEM</b>												
Eye	+	+	+	+	+	+	+	+	+			<b>8</b>
Harderian Gland	+	+	+	+	+	+	+	+	+			<b>8</b>
Inflammation, Chronic		2										<b>1 2.0</b>
<b>URINARY SYSTEM</b>												
Kidney	+	+	+	+	+	+	+	+	+			<b>8</b>
Cortex, Inflammation, Chronic									1			<b>1 1.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+			<b>8</b>
Dilatation	3	4	3	3	3	3	3	3	3			<b>8 3.1</b>

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

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1-4 .. Lesion qualified as:  
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 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE CONTROL	DAY ON TEST								ANIMAL ID
	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	
	5	5	6	6	7	7	8	8	
	1	2	1	2	1	2	1	2	
<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Large, Colon	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	<b>8</b>	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	<b>8</b>	
Liver	+	+	+	+	+	+	+	+	<b>8</b>	
Granuloma					2				<b>1</b>	<b>2.0</b>
Necrosis, Focal	2					1			<b>2</b>	<b>1.5</b>
Left Lateral Lobe, Developmental Malformation		X	X						<b>2</b>	
Pancreas	+	+	+	+	+	+	+	+	<b>8</b>	
Salivary Glands	+	+	+	+	+	+	+	+	<b>8</b>	
Stomach, Forestomach	+	+	+	+	+	+	+	+	<b>8</b>	
Stomach, Glandular	+	+	+	+	+	+	+	+	<b>8</b>	
Tongue	+	+	+	+	+	+	+	+	<b>8</b>	

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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0
	<b>FISCHER 344 RATS-NCTR RATS FEMALE CONTROL</b>	1	1	1	1	1	1	1
ANIMAL ID	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4
	5	5	6	6	7	7	8	8
	1	2	1	2	1	2	1	2
								<b>* TOTALS</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	<b>8</b>
Heart	+	+	+	+	+	+	+	+	<b>8</b>
Artery, Inflammation							3		<b>1 3.0</b>
Myocardium, Inflammation, Focal	1		1	1	1			1	<b>5 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	<b>8</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	<b>8</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	<b>8</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	<b>8</b>
Pituitary Gland	+	+	+	+	+	+	+	+	<b>8</b>
Thyroid Gland	+	+	+	+	+	+	+	+	<b>8</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	<b>8</b>
Inflammation, Suppurative	3	2	3						<b>3 2.7</b>

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Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE CONTROL	DAY ON TEST								ANIMAL ID		
	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2			
	0 0 4 5 1	0 0 4 5 2	0 0 4 6 1	0 0 4 6 2	0 0 4 7 1	0 0 4 7 2	0 0 4 8 1	0 0 4 8 2			<b>* TOTALS</b>
Inflammation, Chronic				2	2	2	2	3			<b>5 2.2</b>
Ovary	+	+	+	+	+	+	+	+			<b>8</b>
Uterus	+	+	+	+	+	+	+	+			<b>8</b>
<b>HEMATOPOIETIC SYSTEM</b>											
Bone Marrow	+	+	+	+	+	+	+	+			<b>8</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+			<b>8</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+			<b>8</b>
Spleen	+	+	+	+	+	+	+	+			<b>8</b>
Thymus	+	+	+	+	+	+	+	+			<b>8</b>
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	+	+	+	+	+	+	+	+			<b>8</b>
Skin	+	+	+	+	+	+	+	+			<b>8</b>
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone, Femur	+	+	+	+	+	+	+	+			<b>8</b>
Skeletal Muscle	+	+	+	+	+	+	+	+			<b>8</b>
<b>NERVOUS SYSTEM</b>											

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Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE CONTROL	DAY ON TEST								ANIMAL ID			
	0 1	0 1	0 1	0 1	0 1	0 1	0 1	0 1				
	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1			
	0	0	0	0	0	0	0	0	0			
	2	2	2	2	2	2	2	2	2			
	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0			
	4	4	4	4	4	4	4	4	4			
	5	5	6	6	7	7	8	8	8			
	1	2	1	2	1	2	1	2	2			
	<b>* TOTALS</b>											
Brain, Brain Stem	+	+	+	+	+	+	+	+	+			<b>8</b>
Brain, Cerebellum	+	+	+	+	+	+	+	+	+			<b>8</b>
Brain, Cerebrum	+	+	+	+	+	+	+	+	+			<b>8</b>
Peripheral Nerve	+	+	+	+	+	+	+	+	+			<b>8</b>
Spinal Cord, Cervical	+	+	+	+	+	+	+	+	+			<b>8</b>
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+	+			<b>8</b>
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+	+			<b>8</b>
<b>RESPIRATORY SYSTEM</b>												
Lung	+	+	+	+	+	+	+	+	+			<b>8</b>
Artery, Mineralization					1							<b>1 1.0</b>
Nose	+	+	+	+	+	+	+	+	+			<b>8</b>
Inflammation	2						2					<b>2 2.0</b>
Goblet Cell, Hyperplasia	1			1		2	1					<b>4 1.3</b>
Trachea	+	+	+	+	+	+	+	+	+			<b>8</b>
<b>SPECIAL SENSES SYSTEM</b>												
Eye	+	+	+	+	+	+	+	+	+			<b>8</b>
Harderian Gland	+	+	+	+	+	+	+	+	+			<b>8</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0	ANIMAL ID		
	1	1	1	1	1	1	1	1			
<b>FISCHER 344 RATS-NCTR RATS FEMALE</b>	0	0	0	0	0	0	0	0			
<b>CONTROL</b>	2	2	2	2	2	2	2	2			
	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0			
	4	4	4	4	4	4	4	4			
	5	5	6	6	7	7	8	8			
	1	2	1	2	1	2	1	2			
	<b>* TOTALS</b>										
Inflammation, Chronic	2	1								2	1.5

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	8	
Cortex, Inflammation, Chronic							1			1 1.0
Cortex, Mineralization	3	2	3	3	3	2	3	3		8 2.8
Urinary Bladder	+	+	+	+	+	+	+	+	8	

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

		0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS-NCTR RATS FEMALE 10 UG/ML</b>	DAY ON TEST	1	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2
	ANIMAL ID	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1
		3	3	4	4	5	5	6	6
		1	2	1	2	1	2	1	2
									<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver	+									1
Left Lateral Lobe, Developmental Malformation	X									1
Mesentery		+								1
Fat, Necrosis			3							1 3.0

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Uterus											1
Dilatation				+							1 3.0

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE 10 UG/ML	DAY ON TEST	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2		
	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1	
		3	3	4	4	5	5	6		
		1	2	1	2	1	2	1	2	
<b>* TOTALS</b>										

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	
2	0	0	0	0	0	0	0	0	
2	2	2	2	2	2	2	2	2	
<b>FISCHER 344 RATS-NCTR RATS FEMALE</b>									
<b>25 UG/ML</b>									
ANIMAL ID	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
2	2	2	2	2	2	2	2	2	
1	1	2	2	3	3	4	4	4	
1	2	1	2	1	2	1	2	2	
									<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Liver									<b>3</b>
Left Lateral Lobe, Developmental Malformation				X	X	X			<b>3</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Clitoral Gland									<b>1</b>
Inflammation, Chronic								3	<b>1 3.0</b>

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE 25 UG/ML	DAY ON TEST	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2		
	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0		
		2	2	2	2	2	2	2		
		1	1	2	2	3	3	4		
		1	2	1	2	1	2	1		
<b>* TOTALS</b>										

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0
	<b>FISCHER 344 RATS-NCTR RATS FEMALE</b>	1	1	1	1	1	1	1
<b>50 UG/ML</b>	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	5	5	6	6	7	7	8	8
	1	2	1	2	1	2	1	2
								<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

NONE

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Uterus		+		1
Dilatation		3		1 3.0

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

<b>FISCHER 344 RATS-NCTR RATS          FEMALE          50 UG/ML</b>	DAY ON TEST	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		5	5	6	6	7	7	8	8	
		1	2	1	2	1	2	1	2	

\* TOTALS

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

		0	0	0	0	0	0	0	0
DAY ON TEST		1	1	1	1	1	1	1	1
<b>FISCHER 344 RATS-NCTR RATS</b>		0	0	0	0	0	0	0	0
<b>FEMALE</b>		2	2	2	2	2	2	2	2
<b>100 UG/ML</b>									
ANIMAL ID		0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		2	2	3	3	3	3	3	3
		9	9	0	0	1	1	2	2
		1	2	1	2	1	2	1	2
									<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

NONE

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Ovary + + + + + + + + **8**

Uterus + + + + + + + + **8**

**HEMATOPOIETIC SYSTEM**

Bone Marrow + + + + + + + + **8**

Spleen + + + + + + + + **8**

**INTEGUMENTARY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

<b>FISCHER 344 RATS-NCTR RATS          FEMALE          100 UG/ML</b>	DAY ON TEST	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2		
	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0		
		2	2	3	3	3	3	3		
		9	9	0	0	1	1	2		
		1	2	1	2	1	2	1		
<b>* TOTALS</b>										

**MUSCULOSKELETAL SYSTEM**

Skeletal Muscle + + + + + + + + **8**

**NERVOUS SYSTEM**

Peripheral Nerve + + + + + + + + **8**

Spinal Cord, Cervical + + + + + + + + **4**

Spinal Cord, Lumbar + + + + + + + + **4**

Spinal Cord, Thoracic + + + + + + + + **4**

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

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 + .. Tissue examined microscopically M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
 I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0
	<b>FISCHER 344 RATS-NCTR RATS FEMALE</b>	1	1	1	1	1	1	1
<b>250 UG/ML</b>	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	4	4
	7	7	8	8	9	9	0	0
	1	2	1	2	1	2	1	2
								<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	<b>8</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	<b>8</b>
Liver	+	+	+	+	+	+	+	+	<b>8</b>
Left Lateral Lobe, Developmental Malformation	X	X		X					<b>3</b>
Pancreas	+	+	+	+	+	+	+	+	<b>8</b>
Salivary Glands	+	+	+	+	+	+	+	+	<b>8</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	<b>8</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	<b>8</b>
Tongue	+	+	+	+	+	+	+	+	<b>8</b>

**CARDIOVASCULAR SYSTEM**

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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

DAY ON TEST	0	0	0	0	0	0	0	0	ANIMAL ID		
	1	1	1	1	1	1	1	1			
<b>FISCHER 344 RATS-NCTR RATS FEMALE</b>	0	0	0	0	0	0	0	0			
<b>250 UG/ML</b>	2	2	2	2	2	2	2	2			
	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0			
	3	3	3	3	3	3	4	4			
	7	7	8	8	9	9	0	0			
	1	2	1	2	1	2	1	2			
										<b>* TOTALS</b>	

Blood Vessel	+	+	+	+	+	+	+	+			<b>8</b>
Heart	+	+	+	+	+	+	+	+			<b>8</b>
Myocardium, Inflammation, Focal		1				1					<b>2 1.0</b>

### ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+			<b>8</b>
Adrenal Medulla	+	+	+	+	+	+	+	+			<b>8</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+			<b>8</b>
Parathyroid Gland	+	+	+	+	+	+	+	+			<b>8</b>
Pituitary Gland	+	+	+	+	+	+	+	+			<b>8</b>
Thyroid Gland	+	+	+	+	+	+	+	+			<b>8</b>

### GENERAL BODY SYSTEM

NONE

### GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+			<b>8</b>
Inflammation, Chronic	1	2	2	2	2			2			<b>6 1.8</b>
Ovary	+	+	+	+	+	+	+	+			<b>8</b>
Corpus Luteum, Cyst					X						<b>1</b>

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 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked



Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE 250 UG/ML	DAY ON TEST	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	
		0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	
		3	3	3	3	3	4	4	
		7	7	8	8	9	9	0	
		1	2	1	2	1	2	1	
									<b>* TOTALS</b>
Corpus Luteum, Dysgenesis		2	2	2	4	2	3	3	2
									<b>8 2.5</b>
Uterus		+	+	+	+	+	+	+	<b>8</b>
Anestrus		X	X	X	X	X	X	X	<b>8</b>
<b>HEMATOPOIETIC SYSTEM</b>									
Bone Marrow		+	+	+	+	+	+	+	<b>8</b>
Erythroid Cell, Hyperplasia		2	2	2	2	2	2	2	<b>8 2.0</b>
Lymph Node, Mandibular		+	+	+	+	+	+	+	<b>8</b>
Lymph Node, Mesenteric		+	+	+	+	+	+	+	<b>8</b>
Spleen		+	+	+	+	+	+	+	<b>8</b>
Congestion		3	3	3	3	3	2	2	<b>8 2.8</b>
Pigmentation		3	3	3	3	3	2	2	<b>8 2.8</b>
Thymus		+	+	+	+	+	+	+	<b>8</b>
<b>INTEGUMENTARY SYSTEM</b>									
Mammary Gland		+	+	+	+	+	+	+	<b>8</b>
Skin		+	+	+	+	+	+	+	<b>8</b>
<b>MUSCULOSKELETAL SYSTEM</b>									
Bone, Femur		+	+	+	+	+	+	+	<b>8</b>
Skeletal Muscle		+	+	+	+	+	+	+	<b>8</b>

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 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE 250 UG/ML	DAY ON TEST								ANIMAL ID		
	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1			
	0	0	0	0	0	0	0	0			
	2	2	2	2	2	2	2	2			
	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0			
	3	3	3	3	3	3	4	4			
	7	7	8	8	9	9	0	0			
	1	2	1	2	1	2	1	2			
										<b>* TOTALS</b>	
Atrophy	2	2	2	2	2	2		2			<b>7 2.0</b>

**NERVOUS SYSTEM**

Brain, Brain Stem	+	+	+	+	+	+	+	+			<b>8</b>
Brain, Cerebellum	+	+	+	+	+	+	+	+			<b>8</b>
Brain, Cerebrum	+	+	+	+	+	+	+	+			<b>8</b>
Peripheral Nerve	+	+	+	+	+	+	+	+			<b>8</b>
Axon, Degeneration	3	3	3	3	3	3	3	3			<b>8 3.0</b>
Schwann Cell, Degeneration	3	3	3	3	3	3	3	3			<b>8 3.0</b>
Spinal Cord, Cervical	+	+	+	+	+	+	+	+			<b>8</b>
Spinal Cord, Lumbar	+	+	+	+	+	+	+	+			<b>8</b>
Cyst Epithelial Inclusion					X						<b>1</b>
Axon, Degeneration	1	2	2	1	1	2	3	2			<b>8 1.8</b>
Spinal Cord, Thoracic	+	+	+	+	+	+	+	+			<b>8</b>
Axon, Degeneration		1	1								<b>2 1.0</b>

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+			<b>8</b>
Nose	+	+	+	+	+	+	+	+			<b>8</b>
Goblet Cell, Hyperplasia		2	1	2	2		2				<b>5 1.8</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
 I .. Insufficient tissue  
 M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20313 - 01  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/NCTR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Acrylamide  
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016  
 Time Report Requested: 15:04:22  
 First Dose M/F: 07/12/04 / 07/12/04  
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS FEMALE 250 UG/ML	DAY ON TEST								ANIMAL ID					
	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2	0 1 0 2						
	0	0	0	0	0	0	0	0	0 0 3 7 1					
	+	+	+	+	+	+	+	+					<b>* TOTALS</b>	
Trachea	+	+	+	+	+	+	+	+					<b>8</b>	
<b>SPECIAL SENSES SYSTEM</b>														
Eye	+	+	+	+	+	+	+	+					<b>8</b>	
Harderian Gland Inflammation, Chronic	+	+	+	+	+	+	+	+	1				<b>8</b> <b>1 1.0</b>	
<b>URINARY SYSTEM</b>														
Kidney Cortex, Inflammation, Chronic	+	+	+	+	+	+	+	+	1				<b>8</b> <b>1 1.0</b>	
Urinary Bladder Dilatation	+	+	+	+	+	+	+	+	1	2	2	3	3	<b>8</b> <b>6 2.3</b>

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

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