## P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Test Compound:** Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:34:21

**First Dose M/F:** NA / NA  
**Lab:** NCTR

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### DAY ON TEST

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### Alimentary System

- **Esophagus**: + + + + + + + + 8
- **Intestine Large, Cecum**: + + + + + + + + 8
- **Intestine Large, Colon**: + + + + + + + + 8
- **Intestine Large, Rectum**: + + + + + + + + 8
- **Intestine Small, Duodenum**: + + + + + + + + 8
- **Intestine Small, Ileum**: + + + + + + + + 8
- **Intestine Small, Jejunum**: + + + + + + + + 8
- **Liver**: + + + + + + + + 8
- **Pancreas**: + + + + + + + 8
- **Salivary Glands**: + + + + + + + + 8
- **Stomach, Forestomach**: + + + + + + + + 8
- **Stomach, Glandular**: + + + + + + + + 8
- **Tongue**: + + + + + + + + 8

### Cardiovascular System

- **Blood Vessel**: + + + + + + + + 8
- **Heart**: + + + + + + + + 8

### Endocrine System

- **Adrenal Cortex**: + + + + + + + + 8
- **Adrenal Medulla**: + + + + + + + + 8
- **Islets, Pancreatic**: + + + + + + + + 8

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* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue  
M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically

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**Page 2**
**F 344/NCTR Rat Male**

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*TOTALS*

- Parathyroid Gland: 8
- Pituitary Gland: 8
- Thyroid Gland: 8

**General Body System**

**NONE**

**Genital System**

- Epididymis: 8
- Preputial Gland: 8
- Prostate: 8
- Seminal Vesicle: 8
- Testes: 8

**Hematopoietic System**

- Bone Marrow: 8
- Lymph Node, Mandibular: 8
- Lymph Node, Mesenteric: 8
- Spleen: 8
- Thymus: 8

**Integumentary System**

- Mammary Gland: 8
- Skin: 8

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Lab: NCTR

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*TOTALS

Musculoskeletal System

Bone, Femur
Skeletal Muscle

Nervous System

Brain, Brain Stem
Brain, Cerebellum
Brain, Cerebrum
Peripheral Nerve
Spinal Cord, Cervical
Spinal Cord, Lumbar
Spinal Cord, Thoracic

Respiratory System

Lung
Nose
Trachea

Special Senses System

Eye
Harderian Gland

Urinary System

Kidney

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

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**First Dose M/F:** NA / NA

**Lab:** NCTR

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**TOTALS**

- **Urinary Bladder:** + + + + + + + 8
- **SYSTEMIC LESIONS:**
  - **Multiple Organ:** + + + + + + + 8

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- Multiple Organ: 0

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*TOTALS*

**Alimentary System**

- Liver: + 1

**Cardiovascular System**

- NONE

**Endocrine System**

- NONE

**General Body System**

- NONE

**Genital System**

- Epididymis: + + + + + + + + 8
- Preputial Gland: + 1
- Testes: + + + + + + + + 8

**Hematopoietic System**

- NONE

**Integumentary System**

- NONE

**Musculoskeletal System**

- NONE

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**Nervous System**  
NONE

**Respiratory System**  
NONE

**Special Senses System**  
NONE

**Urinary System**  
NONE

**SYSTEMIC LESIONS**  

- Multiple Organ: + + + + + + + 8

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* ..Total animals with tissue examined microscopically; Total animals with tumor  
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Experiment Number: 20313-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/NCTR

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### P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Test Compound:** Acrylamide
**CAS Number:** 79-06-1

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**F 344/NCTR Rat Male**

50 UG/ML

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*TOTALS

| NONE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

| + | 1 |

**SYSTEMIC LESIONS**

Multiple Organ

| + | + | + | + | + | + | + | 8 |

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**Date Report Requested:** 10/23/2014  
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**F 344/NCTR Rat Male**

**100 UG/ML**

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* **TOTALS**

---

**Alimentary System**

- Liver: + 1

**Cardiovascular System**

- NONE

**Endocrine System**

- NONE

**General Body System**

- NONE

**Genital System**

- Epididymis: ++++ + + 8
- Preputial Gland: + 1
- Testes: ++++ + + + 8

**Hematopoietic System**

- Bone Marrow: ++++ + + + 8
- Spleen: ++++ + + + 8

**Integumentary System**

- NONE

**Musculoskeletal System**

---

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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
Test Compound: Acrylamide
CAS Number: 79-06-1

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*TOTALS*

- Skeletal Muscle: + + + + + + + 8
- Nervous System: + + + + + + + 8
- Respiratory System: NONE
- Special Senses System: NONE
- Urinary System: NONE

SYSTEMIC LESIONS
- Multiple Organ: + + + + + + + 8

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**Test Compound:** Acrylamide  
**CAS Number:** 79-06-1

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### F 344/NCTR Rat Male

**250 UG/ML**

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### Alimentary System

- **Esophagus**: + + + + + + + + 8
- **Intestine Large, Cecum**: + + + + + + + + 8
- **Intestine Large, Colon**: + + + + + + + + 8
- **Intestine Large, Rectum**: + + + + + + + + 8
- **Intestine Small, Duodenum**: + + + + + + + + 8
- **Intestine Small, Ileum**: + + + + + + + + 8
- **Intestine Small, Jejunum**: + + + + + + + + 8
- **Liver**: + + + + + + + + 8
- **Pancreas**: + + + + + + + + 8
- **Salivary Glands**: + + + + + + + + 8
- **Stomach, Foregut**: + + + + + + + + 8
- **Stomach, Glandular**: + + + + + + + + 8
- **Tongue**: + + + + + + + + 8

### Cardiovascular System

- **Blood Vessel**: + + + + + + + + 8
- **Heart**: + + + + + + + + 8

### Endocrine System

- **Adrenal Cortex**: + + + + + + + + 8
- **Adrenal Medulla**: + + + + + + + + 8
- **Islets, Pancreatic**: + + + + + + + + 8

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*TOTALS*

### F 344/NCTR Rat Male

#### 250 UG/ML

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### General Body System

- **Parathyroid Gland:** ++++ 8
- **Pituitary Gland:** ++++ 8
- **Thyroid Gland:** ++++ 8

### Genital System

- **Epididymis:** ++++ 8
- **Preputial Gland:** ++++ 8
- **Prostate:** ++++ 8
- **Seminal Vesicle:** ++++ 8
- **Testes:** ++++ 8

### Hematopoietic System

- **Bone Marrow:** ++++ 8
- **Lymph Node, Mandibular:** ++++ 8
- **Lymph Node, Mesenteric:** ++++ 8
- **Spleen:** ++++ 8
- **Thymus:** ++++ 8

### Integumentary System

- **Mammary Gland:** ++++ 8
- **Skin:** ++++ 8

---

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**F 344/NCTR Rat Male**

**250 UG/ML**

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*TOTALS*

**Musculoskeletal System**

- Bone, Femur: + + + + + + + + 8
- Skeletal Muscle: + + + + + + + + 8

**Nervous System**

- Brain, Brain Stem: + + + + + + + + 8
- Brain, Cerebellum: + + + + + + + + 8
- Brain, Cerebrum: + + + + + + + + 8
- Peripheral Nerve: + + + + + + + + 8
- Spinal Cord, Cervical: + + + + + + + + 8
- Spinal Cord, Lumbar: + + + + + + + + 8
- Spinal Cord, Thoracic: + + + + + + + + 8

**Respiratory System**

- Lung: + + + + + + + + 8
- Nose: + + + + + + + + 8
- Trachea: + + + + + + + + 8

**Special Senses System**

- Eye: + + + + + + + + 8
- Harderian Gland: + + + + + + + + 8

**Urinary System**

- Kidney: + + + + + + + + 8

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*TOTALS

Urinary Bladder: 8

SYSTEMIC LESIONS

Multiple Organ: 8

***END OF MALE DATA***

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**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Rat/F 344/NCTR  
**Test Compound:** Acrylamide  
**CAS Number:** 79-06-1  
**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:34:22  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

#### Alimentary System

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* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Page 18
### P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Test Compound:** Acrylamide  
**CAS Number:** 79-06-1

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**Parathyroid Gland**  
+ + + + + + + + 8

**Pituitary Gland**  
+ + + + + + + + 8

**Thyroid Gland**  
+ + + + + + + + 8

**General Body System**  
NONE

**Genital System**

- **Clitoral Gland**  
  + + + + + + + + 8

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

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

**Hematopoietic System**

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

- **Lymph Node, Mandibular**  
  + + + + + + + + 8

- **Lymph Node, Mesenteric**  
  + + + + + + + + 8

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

- **Thymus**  
  + + + + + + + + 8

**Integumentary System**

- **Mammary Gland**  
  + + + + + + + + 8

- **Skin**  
  + + + + + + + + 8

**Musculoskeletal System**

- **Bone, Femur**  
  + + + + + + + + 8

---

* ..Total animals with tissue examined microscopically; Total animals with tumor  
\( M \) ..Missing tissue  
+ ..Tissue examined microscopically  
A ..Autolytic tissue precludes evaluation  
X ..Lesion present  
\( \text{BLANK} \) ..Not examined microscopically  
I ..Insufficient tissue
**NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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*TOTALS*

**Skeletal Muscle**

- + + + + + + + + 8

**Nervous System**

- Brain, Brain Stem + + + + + + + + 8
- Brain, Cerebellum + + + + + + + + 8
- Brain, Cerebrum + + + + + + + + 8
- Peripheral Nerve + + + + + + + + 8
- Spinal Cord, Cervical + + + + + + + + 8
- Spinal Cord, Lumbar + + + + + + + + 8
- Spinal Cord, Thoracic + + + + + + + + 8

**Respiratory System**

- Lung + + + + + + + + 8
- Nose + + + + + + + + 8
- Trachea + + + + + + + + 8

**Special Senses System**

- Eye + + + + + + + + 8
- Harderian Gland + + + + + + + + 8

**Urinary System**

- Kidney + + + + + + + + 8
- Urinary Bladder + + + + + + + + 8

**SYSTEMIC LESIONS**

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
Experiment Number: 20313-01
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/NCTR

Test Compound: Acrylamide
CAS Number: 79-06-1

Date Report Requested: 10/23/2014
Time Report Requested: 10:34:22
First Dose M/F: NA / NA
Lab: NCTR

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**Multiple Organ**

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* ..Total animals with tissue examined microscopically; Total animals with tumor
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M ..Missing tissue
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**Experiment Number:** 20313-01  
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**Route:** DOSED WATER  
**Species/Strain:** Rat/F 344/NCTR

**Test Compound:** Acrylamide  
**CAS Number:** 79-06-1

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:34:22  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

**DAY ON TEST**

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**F 344/NCTR Rat Female**  
**10 UG/ML**

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*TOTALS*

**Alimentary System**

- Liver + 1
- Mesentery + 1

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

- Uterus + 1

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

---

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**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

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*TOTALS:

**NONE**

**Respiratory System**

**NONE**

**Special Senses System**

**NONE**

**Urinary System**

**NONE**

**SYSTEMIC LESIONS**

- Multiple Organ: + + + 3

---

* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
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BLANK ..Not examined microscopically

Page 23
Experiment Number: 20313-01
Test Type: 90-DAY
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CAS Number: 79-06-1

Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
Lab: NCTR

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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ALIMENTARY SYSTEM

Liver + + + 3

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland + 1

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

TOTALS

* ..Total animals with tissue examined microscopically; Total animals with tumor
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BLANK ..Not examined microscopically
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*TOTALS*

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

- Multiple Organ: 3

* ..Total animals with tissue examined microscopically; Total animals with tumor
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A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Acrylamide

CAS Number: 79-06-1

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

Date Report Requested: 10/23/2014
Time Report Requested: 10:34:22
First Dose M/F: NA / NA
Lab: NCTR

**Day on Test**

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**F 344/NCTR Rat Female**

**50 UG/ML**

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**TOTALS**

**Alimentary System**
- NONE

**Cardiovascular System**
- NONE

**Endocrine System**
- NONE

**General Body System**
- NONE

**Genital System**
- Uterus + 1

**Hematopoietic System**
- NONE

**Integumentary System**
- NONE

**Musculoskeletal System**
- NONE

**Nervous System**
- NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Page 26
P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Compound: Acrylamide
CAS Number: 79-06-1

Date Report Requested: 10/23/2014
Time Report Requested: 10:34:22
First Dose M/F: NA / NA
Lab: NCTR

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ

+ 1

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
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*TOTALS*

**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

**Musculoskeletal System**

- Skeletal Muscle: + + + + + + + + 8

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# P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Test Compound:** Acrylamide  
**CAS Number:** 79-06-1

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

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:34:23  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**F 344/NCTR Rat Female**  
**100 UG/ML**

**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

**SYSTEMIC LESIONS**

- Multiple Organ: + + + + + + + 8

* ..Total animals with tissue examined microscopically; Total animals with tumor  
M ..Missing tissue  
+ ..Tissue examined microscopically  
A ..Autolysis precludes evaluation  
X ..Lesion present  
I ..Insufficient tissue  
BLANK ..Not examined microscopically
### Experiment Number:
20313-01

#### Test Type:
90-DAY

#### Route:
DOSED WATER

#### Species/Strain:
Rat/F 344/NCTR

---

**P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Acrylamide

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

---

#### Date Report Requested:
10/23/2014

#### Time Report Requested:
10:34:23

#### First Dose M/F:
NA / NA

#### Lab:
NCTR

---

### DAY ON TEST

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#### Alimentary System

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<td>Esophagus</td>
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<td>Intestine Large, Cecum</td>
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<td>Intestine Large, Colon</td>
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<td>Intestine Large, Rectum</td>
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<td>Intestine Small, Jejunum</td>
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<tr>
<td>Liver</td>
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<td>Pancreas</td>
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<td>Salivary Glands</td>
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<tr>
<td>Stomach, Forestomach</td>
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<tr>
<td>Stomach, Glandular</td>
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<td>Tongue</td>
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#### Cardiovascular System

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<td>Blood Vessel</td>
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<td>Heart</td>
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#### Endocrine System

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<td>Adrenal Medulla</td>
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<tr>
<td>Islets, Pancreatic</td>
<td>+ + + + + + + +</td>
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* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
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P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Acrylamide
CAS Number: 79-06-1

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

Date Report Requested: 10/23/2014
Time Report Requested: 10:34:23

First Dose M/F: NA / NA
Lab: NCTR

**DAY ON TEST**

| F 344/NCTR Rat Female | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
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| TOTALS                 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

**General Body System**

NONE

**Genital System**

Clitoral Gland
Ovary
Uterus

**Hematopoietic System**

Bone Marrow
Lymph Node, Mandibular
Lymph Node, Mesenteric
Spleen
Thymus

**Integumentary System**

Mammary Gland
Skin

**Musculoskeletal System**

Bone, Femur

---

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**Date Report Requested:** 10/23/2014  
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**F 344/NCTR Rat Female**  
**250 UG/ML**  

**ANIMAL ID**  

| 0 | 1 | 0 | 2 | 0 | 0 | 3 | 7 | 1 | 0 | 1 | 0 | 2 | 0 | 0 | 3 | 7 | 1 | 0 | 1 | 0 | 2 |

*S*TOTALS  

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

**Nervous System**  

| Brain, Brain Stem | + + + + + + + + 8 |
| Brain, Cerebellum | + + + + + + + + 8 |
| Brain, Cerebrum   | + + + + + + + + 8 |
| Peripheral Nerve  | + + + + + + + + 8 |
| Spinal Cord, Cervical | + + + + + + + + 8 |
| Spinal Cord, Lumbar | + + + + + + + + 8 |
| Spinal Cord, Thoracic | + + + + + + + + 8 |

**Respiratory System**  

| Lung          | + + + + + + + + 8 |
| Nose          | + + + + + + + + 8 |
| Trachea       | + + + + + + + + 8 |

**Special Senses System**  

| Eye           | + + + + + + + + 8 |
| Harderian Gland | + + + + + + + + 8 |

**Urinary System**  

| Kidney        | + + + + + + + + 8 |
| Urinary Bladder | + + + + + + + + 8 |

**SYSTEMIC LESIONS**  

| Skeletal Muscle | + + + + + + + + 8 |
| Nervous System  |
| Brain, Brain Stem | + + + + + + + + 8 |
| Brain, Cerebellum | + + + + + + + + 8 |
| Brain, Cerebrum   | + + + + + + + + 8 |
| Peripheral Nerve  | + + + + + + + + 8 |
| Spinal Cord, Cervical | + + + + + + + + 8 |
| Spinal Cord, Lumbar | + + + + + + + + 8 |
| Spinal Cord, Thoracic | + + + + + + + + 8 |
| Respiratory System |
| Lung          | + + + + + + + + 8 |
| Nose          | + + + + + + + + 8 |
| Trachea       | + + + + + + + + 8 |
| Special Senses System |
| Eye           | + + + + + + + + 8 |
| Harderian Gland | + + + + + + + + 8 |
| Urinary System |
| Kidney        | + + + + + + + + 8 |
| Urinary Bladder | + + + + + + + + 8 |

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**MULTIPLE ORGAN**

+ + + + + + +

**END OF REPORT**