Species/Strain: RATS/F 344/NCTR

Test Type: 90-DAY

Route: DOSED FEED

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/22/2016
Time Report Requested: 07:57:14
First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

NTP Study Number: C20313B

Lock Date: 03/06/2013

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

Study Gender: Both

TDMSE Version: 3.0.2.3_002

PWG Approval Date: NONE

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| Control Feed M ANIMAL ID | 0 1 2 1 1 | 0 1 2 1 2 | 0 1 2 2 1 | 0 1 2 2 2 | 0 1 2 3 1 | 0 1 2 3 2 | 0 1 2 4 1 | 0 1 2 4 2 | * TOTALS |
| 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

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|
| Control Feed M ANIMAL ID | 0 1 2 1 1 | 0 1 2 1 2 | 0 1 2 2 1 | 0 1 2 2 2 | 0 1 2 3 1 | 0 1 2 3 2 | 0 1 2 4 1 | 0 1 2 4 2 | * TOTA |
| Blood Vessel | + | + | + | + | + | + | + | + | 8 |
| Heart | + | + | + | + | + | + | + | + | 8 |
| ENDOCRINE SYSTEM | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | 8 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | 8 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | 8 |
| Parathyroid Gland | М | + | + | + | + | + | + | + | 7 |
| Pituitary Gland | + | + | + | + | + | + | + | + | 8 |
| Thyroid Gland | + | + | + | + | + | + | + | + | 8 |
| GENERAL BODY SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | 8 |
| Preputial Gland | + | + | + | + | + | + | + | + | 8 |
| Prostate | + | + | + | + | + | + | + | + | 8 |

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS | 0 1 0 1 | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|
| WALE Control Feed M ANIMAL ID | 0 1 2 1 1 | 0 1 2 1 2 | 0 1 2 2 1 | 0 1 2 2 2 | 0 1 2 3 1 | 0 1 2 3 2 | 0 1 2 4 1 | 0 1 2 4 2 | * 1 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | |
| Testes | + | + | + | + | + | + | + | + | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | |
| Spleen | + | + | + | + | + | + | + | + | |
| Thymus | + | + | + | + | + | + | + | + | |
| NTEGUMENTARY SYSTEM | | | | | | | | | |
| Mammary Gland | + | + | + | + | М | + | + | + | |
| Skin | + | + | + | + | + | + | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | |

NERVOUS SYSTEM

^{* ..} 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

Test Type: 90-DAY
Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|
| Control Feed M ANIMAL ID | 0 1 2 1 1 | 0 1 2 1 2 | 0 1 2 2 1 | 0 1 2 2 2 | 0 1 2 3 1 | 0 1 2 3 2 | 0 1 2 4 1 | 0 1 2 4 2 | * T |
| 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

^{* ..} 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

Test Type: 90-DAY

Route: DOSED FEED Species/Strain: RATS/F 344/NCTR P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TE FISCHER 344 RATS-NCTR RATS MALE | ST | 0 0 1 1 0 0 1 1 | 1 |) C 1 C | | 0 0 1 1 0 0 | 1 | 1 1 | 0 1 0 1 | |
|---|-----|---------------------------------|-----|-------------------|---|---------------------------------|-----|-------------------------|-----------------------|----------|
| Control Feed M ANIMAL | ייי | 0 0 1 1 2 2 1 1 1 2 | : 2 | 1 | - | 0 0 1 1 2 2 3 3 1 2 | 1 | 1 1 2 2 4 4 | 0 1 2 4 2 | * TOTALS |
| Kidney | | + + | | - + | | + + | - + | - | + | 8 |
| Urinary Bladder | | + + | . + | - + | | + + | - + | ٠ - | + | 8 |
| SYSTEMIC LESIONS | | | | | | | | | | |
| Multiple Organ | | + + | . 4 | - + | | + + | - + | ٠ - | + | 8 |

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

| | _ | | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
| 7.4 PPM Acryl M ANIMAL ID | 0 1 3 7 1 | 0 1 3 7 2 | 0 1 3 8 1 | 0 1 3 8 2 | 0 1 3 9 1 | 0 1 3 9 2 | 0 1 4 0 1 | 0 1 4 0 2 | * TOTALS |
| ALIMENTARY SYSTEM | • | | | | | | | | |
| Liver | | | | | | | + | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | 8 |
| Testes | + | + | + | + | + | + | + | + | 8 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |

- MUSCULOSKELETAL SYSTEM
 - * .. 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

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| 7.4 PPM Acryl M ANIMAL ID | 0 1 3 7 1 | 0 1 3 7 2 | 0 1 3 8 1 | 0 1 3 8 2 | 0 1 3 9 1 | 0 1 3 9 2 | 0 1 4 0 1 | 0 1 4 0 2 | * TOTALS |
| NONE | | | | | | | | | |

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + +

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

+ .. Tissue examined microscopically

X .. Lesion present
I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 **Time Report Requested:** 07:57:14 **First Dose M/F:** 08/09/04 / 08/09/04

Lab: NCTR

A .. Autolysis precludes evaluation

| NONE ENDOCRINE SYSTEM | | | | - | - | | - | | |
|-----------------------|---|---|---|---|---|---|---|---|---|
| NONE | | | | | | | | | |
| GENERAL BODY SYSTEM | | - | | - | - | - | - | | |
| NONE | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | • | | |
| | | | | | | | | | • |
| Epididymis | + | + | + | + | + | + | + | + | 8 |
| Testes | + | + | + | + | + | + | + | + | 8 |
| HEMATOPOIETIC SYSTEM | | | | - | - | - | | - | |
| | | | | | | | | | |
| NONE | | | | _ | _ | _ | | _ | |
| INTEGUMENTARY SYSTEM | | | | - | - | - | - | - | |
| | | | | | | | | | |
| NONE | | | | | | | | | |
| | | | | | | | | | |

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|
| 18.5 PPM Acryl M ANIMAL ID | 0 1 1 3 1 | 0 1 1 3 2 | 0 1 1 4 1 | 0 1 1 4 2 | 0 1 1 5 1 | 0 1 1 5 2 | 0 1 1 6 1 | 0 1 1 6 2 | * - |

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ + +

+ + + + + + +

^{* ..} 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

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 **Time Report Requested:** 07:57:14 **First Dose M/F:** 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 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 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|----------|
| 37 PPM Acryl M ANIMAL ID | 0 1 2 9 1 | 0 1 2 9 2 | 0 1 3 0 1 | 0 1 3 0 2 | 0 1 3 1 | 0 1 3 1 2 | 0 1 3 2 1 | 0 1 3 2 2 | * TOTALS |

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

- * .. 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

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

Date Report Requested: 09/22/2016

Time Report Requested: 07:57:14

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| FISCHER 344 RATS-NCTR RATS MALE | 0 | 0 | 0 | 0 | 0 1 | 0 | 0 | 0 1 | |
| 37 PPM Acryl M ANIMAL ID | 0 1 2 9 1 | 0 1 2 9 2 | 0 1 3 0 1 | 0 1 3 0 2 | 0 1 3 1 1 | 0 1 3 1 2 | 0 1 3 2 1 | 0 1 3 2 2 | * TOTALS |
| NONE | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| 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

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Test Type: 90-DAY Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| | | | | | | 1 | | | |
|---------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|----------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| FISCHER 344 RATS-NCTR RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 74 PPM Acryl M ANIMAL ID | 0 0 9 7 1 | 0 0 9 7 2 | 0 0 9 8 1 | 0 0 9 8 2 | 0 0 9 9 | 0 0 9 9 2 | 0 1 0 0 1 | 0 1 0 0 2 | * TOTALS |
| ALIMENTARY SYSTEM | | | | | | | | | |
| Liver | | | + | | | | | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | |
| NONE | | | _ | _ | | | - | | |
| ENDOCRINE SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | 8 |
| Testes | + | + | + | + | + | + | + | + | 8 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

- * .. 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 **Time Report Requested:** 07:57:14 **First Dose M/F:** 08/09/04 / 08/09/04

Lab: NCTR

| | | _ | | | l | | 1 | 1 | I | |
|-------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|------------------|-----------------------|-----------------------|--------|
| С | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| FISCHER 344 RATS-NCTR MALE | RATS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 74 PPM Acryl M | ANIMAL ID | 0 0 9 7 1 | 0 0 9 7 2 | 0 0 9 8 1 | 0 0 9 8 2 | 0 0 9 9 | 0 0 9 9 | 0 1 0 0 1 | 0 1 0 0 2 | * TOTA |
| Skeletal Muscle | | + | + | + | + | + | + | + | + | 8 |
| NERVOUS SYSTEM | | | | | | | | | | |
| Peripheral Nerve | | + | + | + | + | + | + | + | + | 8 |
| RESPIRATORY SYSTEM | | | | | | | | | | |
| NONE | | | | | | | | | | |
| SPECIAL SENSES SYSTE | M | | | | | | | | | |
| NONE | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | |
| NONE | | | | | | | | | | |
| SYSTEMIC LESIONS | | • | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | 8 |
| | | | | | | | | | | |

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| | 1 | 1 | | 1 | 1 | 1 | 1 1 | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
| 85 PPM Acryl M ANIMAL ID | 0 1 0 5 1 | 0 1 0 5 2 | 0 1 0 6 1 | 0 1 0 6 2 | 0 1 0 7 1 | 0 1 0 7 2 | 0 1 0 8 1 | 0 1 0 8 2 | * TOTALS |
| ALIMENTARY SYSTEM | 1 | • | • | 1 | • | | | | |
| 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

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

| DAY ON TEST | 0 1 | 0 1 | 0 1 | 0 1 | 0 | 0 1 0 1 | 0 | 0 | |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|
| FISCHER 344 RATS-NCTR RATS MALE | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | |
| 185 PPM Acryl M ANIMAL ID | 0 1 0 5 1 | 0 1 0 5 2 | 0 1 0 6 1 | 0 1 0 6 2 | 0 1 0 7 1 | 0 1 0 7 2 | 0 1 0 8 1 | 0 1 0 8 2 | * TOTA |
| Blood Vessel | + | + | + | + | + | + | + | + | 8 |
| Heart | + | + | + | + | + | + | + | + | 8 |
| ENDOCRINE SYSTEM | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | 8 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | 8 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | 8 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | 8 |
| Pituitary Gland | + | + | + | + | + | + | + | + | 8 |
| Thyroid Gland | + | + | + | + | + | + | + | + | 8 |
| GENERAL BODY SYSTEM | | | | | | | • | | |
| NONE | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | 8 |
| Preputial Gland | + | + | + | + | + | + | + | + | 8 |
| Prostate | + | + | + | + | + | + | + | + | 8 |

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| 185 PPM Acryl M ANIMAL ID | 0 1 0 5 1 | 0 1 0 5 2 | 0 1 0 6 1 | 0 1 0 6 2 | 0 1 0 7 1 | 0 1 0 7 2 | 0 1 0 8 1 | 0 1 0 8 2 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | |
| Testes | + | + | + | + | + | + | + | + | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | |
| Spleen | + | + | + | + | + | + | + | + | |
| Thymus | + | + | + | + | + | + | + | + | |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | |
| Skin | + | + | + | + | + | + | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | |

NERVOUS SYSTEM

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS WALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|
| 185 PPM Acryl M ANIMAL ID | 0 1 0 5 1 | 0 1 0 5 2 | 0 1 0 6 1 | 0 1 0 6 2 | 0 1 0 7 1 | 0 1 0 7 2 | 0 1 0 8 1 | 0 1 0 8 2 | _ |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | |
| Spinal Cord, Cervical | + | + | + | + | + | + | + | + | |
| Spinal Cord, Lumbar | + | + | + | + | + | + | + | + | |
| Spinal Cord, Thoracic | + | + | + | + | + | + | + | + | |
| ESPIRATORY SYSTEM | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | |
| Nose | + | + | + | + | + | + | + | + | |
| Trachea | + | + | + | + | + | + | + | + | |
| SPECIAL SENSES SYSTEM | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | |
| Harderian Gland | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with tumor

URINARY SYSTEM

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS MALE | 0 1 0 1 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| 185 PPM Acryl M ANIMAL ID | 0 1 0 5 1 | 0 1 0 5 2 | 0 1 0 6 1 | 0 1 0 6 2 | 0 1 0 7 1 | 0 1 0 7 2 | 0 1 0 8 1 | 0 1 0 8 2 | * TOTALS |
| Kidney | + | + | + | + | + | + | + | + | 8 |
| Urinary Bladder | + | + | + | + | + | + | + | + | 8 |
| SYSTEMIC LESIONS | | | | | | | | | |
| Multiple Organ | + | + | + | + | + | + | + | + | 8 |

*** END OF MALE DATA ***

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 0 1 0 2 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| Control Feed F ANIMAL ID | 0 1 2 5 1 | 0 1 2 5 2 | 0 1 2 6 1 | 0 1 2 6 2 | 0 1 2 7 1 | 0 1 2 7 2 | 0 1 2 8 1 | 0 1 2 8 2 | * TOTALS |
| 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

^{* ..} 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

Test Type: 90-DAY
Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

| | | _ | _ | | | | | | | |
|----------------------------|----------|--------------|-----|-------------|-----|-----|------------------|-------------|------|-------|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| FISCHER 344 RATS-NCTR RATS | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | | |
| FEMALE | | | | | | | | | | |
| Control Feed F ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 1 2 8 | 0 | | |
| | 5 | 2 5 2 | 6 | 2 6 2 | 7 | 7 2 | 8 | 2 8 2 | | |
| | <u> </u> | ² | | | | 2 | | | * TO | OTALS |
| Blood Vessel | + | + | + | + | + | + | + | + | | 8 |
| Heart | + | + | + | + | + | + | + | + | | 8 |
| ENDOCRINE SYSTEM | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | | 8 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | | 8 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | | 8 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | | 8 |
| Pituitary Gland | + | + | + | + | + | + | + | + | | 8 |
| Thyroid Gland | + | + | + | + | + | + | + | + | | 8 |
| GENERAL BODY SYSTEM | | | | | | | | | | |
| NONE | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | | 8 |
| Ovary | + | + | + | + | + | + | + | + | | 8 |
| Uterus | + | + | + | + | + | + | + | + | | 8 |

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 0 1 0 2 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------|
| Control Feed F ANIMAL ID | 0 1 2 5 1 | 0 1 2 5 2 | 0 1 2 6 1 | 0 1 2 6 2 | 0 1 2 7 1 | 0 1 2 7 2 | 0 1 2 8 1 | 0 1 2 8 2 | * тот |
| 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 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | 8 |
| NERVOUS SYSTEM | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | 8 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | 8 |

^{* ..} 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

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 **Time Report Requested:** 07:57:14 **First Dose M/F:** 08/09/04 / 08/09/04

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 0 1 0 2 | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|-----|
| Control Feed F ANIMAL ID | 0 1 2 5 1 | 0 1 2 5 2 | 0 1 2 6 1 | 0 1 2 6 2 | 0 1 2 7 1 | 0 1 2 7 2 | 0 1 2 8 1 | 0 1 2 8 2 | * T | 0 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | | |
| Peripheral Nerve | + | + | + | + | + | + | + | + | | - 1 |
| 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 |

^{* ..} 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

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 0 1 0 2 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| Control Feed F ANIMAL ID | 0 1 2 5 1 | 0 1 2 5 2 | 0 1 2 6 1 | 0 1 2 6 2 | 0 1 2 7 1 | 0 1 2 7 2 | 0 1 2 8 1 | 0 1 2 8 2 | * TOTALS |

SYSTEMIC LESIONS

Multiple Organ

+ + + + +

^{* ..} 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

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide
CAS Number: 79-06-1

Date Report Requested: 09/22/2016 **Time Report Requested:** 07:57:14 **First Dose M/F:** 08/09/04 / 08/09/04

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 0 1 0 2 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|
| 7.4 PPM Acryl F ANIMAL ID | 0 1 4 1 1 | 0 1 4 1 2 | 0 1 4 2 1 | 0 1 4 2 2 | 0 1 4 3 1 | 0 1 4 3 2 | 0 1 4 4 1 | 0 1 4 4 2 | * TOTA |
| ALIMENTARY SYSTEM | | • | • | • | • | | | • | |
| Liver | | | | | + | | | | 1 |
| Mesentery | | | | | | | | + | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | |
| Ovary | | | | | + | | | | 1 |
| Uterus | | | | + | + | | | | 2 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| INTEGUMENTARY 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

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 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 | |
|---|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| 7.4 PPM Acryl F ANIMAL ID | 0 1 4 1 | 0 1 4 1 2 | 0 1 4 2 1 | 0 1 4 2 2 | 0 1 4 3 1 | 0 1 4 3 2 | 0 1 4 4 1 | 0 1 4 4 2 | * TOTALS |

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + +

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

X .. Lesion present I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| FISCHER 344 RATS-N | DAY ON TEST | 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 | | |
|--------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|---|--------|
| 18.5 PPM Acryl F | ANIMAL ID | 0 1 1 7 1 | 0 1 1 7 2 | 0 1 1 8 1 | 0 1 1 8 2 | 0 1 1 9 | 0 1 1 9 2 | 0 1 2 0 1 | 0 1 2 0 2 | * | TOTALS |
| ALIMENTARY SYSTE | M | • | | • | | • | | • | • | | |
| Liver | | + | | | | | | | + | | 2 |
| CARDIOVASCULAR S | SYSTEM | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| ENDOCRINE SYSTEM | 1 | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| GENERAL BODY SYS | STEM | | | | | | | | | | |
| NONE | | • | | | _ | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| HEMATOPOIETIC SYS | STEM | | | | | | | | | | |
| Lymph Node | | + | | | | | | | | | 1 |
| INTEGUMENTARY SY | STEM | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| MUSCULOSKELETAL | SYSTEM | | | | | | | | | | |
| NONE | | | | | | | | | | | |
| * Total animals w | | oscop | oically | ; Tota | al ani | mals | with t | umor | | M Missing tissue A Autolysis precludes evaluation | |

Test Type: 90-DAY
Route: DOSED FEED

URINARY SYSTEM

SYSTEMIC LESIONS

Multiple Organ

NONE

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

2

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 0 1 0 2 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| 18.5 PPM Acryl F ANIMAL ID | 0 1 1 7 1 | 0 1 1 7 2 | 0 1 1 8 1 | 0 1 1 8 2 | 0 1 1 9 1 | 0 1 1 9 2 | 0 1 2 0 1 | 0 1 2 0 2 | * TOTALS |
| NERVOUS SYSTEM | - | | - | - | - | - | | | |
| NONE | | | | | | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | |
| NONE | | | | | _ | _ | _ | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |

+

M .. Missing tissue

A .. Autolysis precludes evaluation

 $[\]ensuremath{^{\star}}$.. Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

+ .. Tissue examined microscopically

X .. Lesion present
I .. Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

| | | | 1 | | | | ı | ı | | |
|--|---------|---------|--------|------------------|-------|--------|-------|-------|------------------|----------|
| DAY ON TEST FISCHER 344 RATS-NCTR RATS | Ó | 1 0 | 0 1 0 | 0 1 0 2 | 0 1 0 | 0 1 0 | 0 1 0 | 0 1 0 | | |
| FEMALE | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | _ |
| 37 PPM Acryl F | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| ANIMAL II | 3 3 | 3 | 3 4 | 3 4 | 3 5 | 3 5 | 3 | 3 | | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | * 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 | | | | | | | | | | |
| * Total animals with tissue examined n | icrosco | pically | y; Tot | al ani | mals | with t | tumor | | M Missing tissue | |

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 0 1 0 2 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| 37 PPM Acryl F ANIMAL ID | 0 1 3 3 1 | 0 1 3 3 2 | 0 1 3 4 1 | 0 1 3 4 2 | 0 1 3 5 1 | 0 1 3 5 2 | 0 1 3 6 1 | 0 1 3 6 2 | * TOTALS |

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ + +

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Test Type: 90-DAY

Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

Lab: NCTR

| DAY ON TES | T 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 1 | |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------|
| FISCHER 344 RATS-NCTR RATS FEMALE | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | _ |
| 74 PPM Acryl F ANIMAL II | 0 1 0 1 1 | 0 1 0 1 2 | 0 1 0 2 1 | 0 1 0 2 2 | 0 1 0 3 1 | 0 1 0 3 2 | 0 1 0 4 1 | 0 1 0 4 2 | * TOTAL |
| ALIMENTARY SYSTEM | | | | | | | | | |
| Liver | | | | | | | + | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | |
| NONE | | | | | _ | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | |
| NONE | | | | • | | | | | |
| GENITAL SYSTEM | | | | | | | | | |
| Ovary | | | | | _ | | + | | 1 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| NONE | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | |
| Skeletal Muscle | + | + | + | + | + | + | + | + | 8 |

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

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Acrylamide

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Lab: NCTR

| FISCHER 344 RATS-N FEMALE | DAY ON TEST | 0 1 0 2 | |
|------------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| 74 PPM Acryl F | ANIMAL ID | 0 1 0 1 1 | 0 1 0 1 2 | 0 1 0 2 1 | 0 1 0 2 2 | 0 1 0 3 1 | 0 1 0 3 2 | 0 1 0 4 1 | 0 1 0 4 2 | * TOTALS |
| NERVOUS SYSTEM | | | | | | | | | | |
| Peripheral Nerve | | + | + | + | + | + | + | + | + | 8 |
| RESPIRATORY SYST | EM | | | | | | | | | |
| NONE | | | | | | | | | | |
| SPECIAL SENSES SY | STEM | | | | | | | | | |
| NONE | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | |
| NONE | | | | | | | | | | |
| SYSTEMIC LESIONS | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | 8 |

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

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Species/Strain: RATS/F 344/NCTR

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Acrylamide CAS Number: 79-06-1

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Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 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 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|----------|
| 185 PPM Acryl F ANIMAL ID | 0 1 0 9 1 | 0 1 0 9 2 | 0 1 1 0 1 | 0 1 1 0 2 | 0 1 1 1 | 0 1 1 1 2 | 0 1 1 2 1 | 0 1 1 2 2 | * TOTALS |
| ALIMENTARY SYSTEM | 1 | • | | 1 | | | • | | |
| 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

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

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Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

| DAY FISCHER 344 RATS-NCTR R FEMALE | ON TEST | 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 | |
|--|-----------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|----------|
| I85 PPM Acryl F | ANIMAL ID | 0 1 0 9 1 | 0 1 0 9 2 | 0 1 1 0 1 | 0 1 1 0 2 | 0 1 1 1 | 0 1 1 1 2 | 0 1 1 2 1 | 0 1 1 2 2 | * TOTALS |
| Blood Vessel | - | + | + | + | + | + | + | + | + | 8 |
| Heart | | + | + | + | + | + | + | + | + | 8 |
| ENDOCRINE SYSTEM | | | | | | | | | | |
| Adrenal Cortex | - | + | + | + | + | + | + | + | + | 8 |
| Adrenal Medulla | | + | + | + | + | + | + | + | + | 8 |
| Islets, Pancreatic | - | + | + | + | + | + | + | + | + | 8 |
| Parathyroid Gland | - | + | + | + | + | + | + | + | + | 8 |
| Pituitary Gland | | + | + | + | + | + | + | + | + | 8 |
| Thyroid Gland | | + | + | + | + | + | + | + | + | 8 |
| GENERAL BODY SYSTEM | | | | | | | | | | |
| NONE | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | 8 |
| Ovary | | + | + | + | + | + | + | + | + | 8 |
| Uterus | - | + | + | + | + | + | + | + | + | 8 |

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

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Test Type: 90-DAY **Route:** DOSED FEED

Species/Strain: RATS/F 344/NCTR

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Acrylamide CAS Number: 79-06-1

Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 1 0 2 | 0 1 0 2 | 0 | |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|--------|
| FISCHER 344 RATS-NCTR RATS FEMALE | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | 0 2 | |
| 185 PPM Acryl F ANIMAL ID | 0 1 0 9 1 | 0 1 0 9 2 | 0 1 1 0 1 | 0 1 1 0 2 | 0 1 1 1 | 0 1 1 1 2 | 0 1 1 2 1 | 0 1 1 2 2 | * TOTA |
| 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 |
| Skeletal Muscle | + | + | + | + | + | + | + | + | 8 |
| NERVOUS SYSTEM | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | 8 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | 8 |

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Route: DOSED FEED

Species/Strain: RATS/F 344/NCTR

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Date Report Requested: 09/22/2016 Time Report Requested: 07:57:14 First Dose M/F: 08/09/04 / 08/09/04

| DAY ON TEST FISCHER 344 RATS-NCTR RATS | 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 | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|--------|
| FEMALE 185 PPM Acryl F ANIMAL ID | 0 1 0 9 1 | 0 1 0 9 2 | 0 1 1 0 1 | 0 1 1 0 2 | 0 1 1 1 | 0 1 1 1 2 | 0 1 1 2 1 | 0 1 1 2 2 | * TOTA |
| 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 | + | + | + | + | + | + | M | + | 7 |

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

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Route: DOSED FEED

Multiple Organ

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8

Lab: NCTR

| DAY ON TEST FISCHER 344 RATS-NCTR RATS FEMALE | 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 | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|------------------|-----------------------|-----------------------|-----------------------|----------|
| 185 PPM Acryl F ANIMAL ID | 0 1 0 9 1 | 0 1 0 9 2 | 0 1 1 0 1 | 0 1 1 0 2 | 0 1 1 1 | 0 1 1 1 2 | 0 1 1 2 1 | 0 1 1 2 2 | * TOTALS |
| SYSTEMIC LESIONS | | | | | | | | | |

*** END OF REPORT ***

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