

Experiment Number: 20313 - 02
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Acrylamide
CAS Number: 79-06-1

Date Report Requested: 09/21/2016
Time Report Requested: 11:18:09
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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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF ACRYLAMIDE

MALE MICE

Organ

Adrenal Cortex: Subcapsular
Peripheral Nerve: Axon
Skeletal Muscle
Spinal Cord, Lumbar: Axon
Testes: Germinal Epithelium
Urinary Bladder: Lumen

Morphology

Hyperplasia
Degeneration
Atrophy
Degeneration
Degeneration
Dilatation

FEMALE MICE

Organ

Eye: Lens
Liver
Ovary
Peripheral Nerve: Axon
Skeletal Muscle
Spinal Cord, Lumbar: Axon
Spleen
Urinary Bladder: Lumen

Morphology

Developmental Malformation
Mineralization
Anestrus
Cyst
Degeneration
Atrophy
Degeneration
Pigmentation
Dilatation

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Adrenal Cortex: Subcapsular Hyperplasia					
LESION RATES					
OVERALL (a)	3/8 (38%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	3/8.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	37.5%	0%	0%	0%	0%
TERMINAL (d)	3/8 (38%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	99 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.086N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.086N
POLY 6	(e)	(e)	(e)	(e)	P=0.086N
COCH-ARM / FISHERS	P=0.062N	(e)	(e)	(e)	P=0.100N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.020N*

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TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Eye: Lens					
Developmental Malformation					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Heart Mineralization					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Liver					
Inflammation Chronic					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	99 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.340	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.158

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Liver Mineralization					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Liver					
Tension Lipidosis					
LESION RATES					
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	12.5%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	99 (T)	---	---	---	99 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.675	(e)	(e)	(e)	P=0.767N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=1.000

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TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Peripheral Nerve: Axon Degeneration					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/8.00	0/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	99 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Preputial Gland Cyst					
LESION RATES					
OVERALL (a)	2/8 (25%)	1/2 (50%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	2/8.00	1/2.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	25%	50%	0%	0%	0%
TERMINAL (d)	2/8 (25%)	1/2 (50%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	99 (T)	99 (T)	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	P=0.563	(e)	(e)	P=0.223N
POLY 1.5	(e)	P=0.563	(e)	(e)	P=0.223N
POLY 6	(e)	P=0.563	(e)	(e)	P=0.223N
COCH-ARM / FISHERS	P=0.105N	P=0.533	(e)	(e)	P=0.233N
MAX-ISO-POLY-3	(e)	P=0.307	(e)	(e)	P=0.063N

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Skeletal Muscle Atrophy					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	3/8 (38%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/8.00	0/8.00	3/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	37.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	3/8 (38%)
FIRST INCIDENCE	---	---	---	---	99 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.086
POLY 1.5	(e)	(e)	(e)	(e)	P=0.086
POLY 6	(e)	(e)	(e)	(e)	P=0.086
COCH-ARM / FISHERS	P=0.008**	(e)	(e)	(e)	P=0.100
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.020*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Spinal Cord, Lumbar: Axon Degeneration					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	99 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Spleen Pigmentation					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Testes: Germinal Epithelium Degeneration					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	6/8 (75%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/8.00	6/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	75%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	6/8 (75%)
FIRST INCIDENCE	---	---	---	---	99 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.003**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P<0.001**

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 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Males				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Urinary Bladder: Lumen Dilatation					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	99 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Adrenal Cortex: Subcapsular Hyperplasia					
LESION RATES					
OVERALL (a)	8/8 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/8 (100%)
POLY-3 RATE (b)	8/8.00	0/0.00	0/0.00	0/0.00	8/8.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	100%
TERMINAL (d)	8/8 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/8 (100%)
FIRST INCIDENCE	100 (T)	---	---	---	100 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016
 Time Report Requested: 11:18:09
 First Dose M/F: 07/12/04 / 07/12/04
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Eye: Lens Developmental Malformation					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	1/1.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	100 (T)	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	P=0.111	(e)	(e)
POLY 1.5	(e)	(e)	P=0.111	(e)	(e)
POLY 6	(e)	(e)	P=0.111	(e)	(e)
COCH-ARM / FISHERS	P=0.515N	(e)	P=0.111	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Heart Mineralization					
LESION RATES					
OVERALL (a)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	1/8.00	0/0.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	12.5%	0%	0%	0%	0%
TERMINAL (d)	1/8 (13%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	100 (T)	---	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.340N	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.158N

Experiment Number: 20313 - 02
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Acrylamide
CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Liver Inflammation Chronic					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---
STATISTICAL TESTS					
POLY 3	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Liver Mineralization					
LESION RATES					
OVERALL (a)	0/8 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	1/1.00	0/0.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	100 (T)	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	P=0.111	(e)	(e)	(e)
POLY 1.5	(e)	P=0.111	(e)	(e)	(e)
POLY 6	(e)	P=0.111	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.437N	P=0.111	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)	(e)	(e)

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

Date Report Requested: 09/21/2016
 Time Report Requested: 11:18:09
 First Dose M/F: 07/12/04 / 07/12/04
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Liver					
Tension Lipidosis					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	100 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.320	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Ovary Anestrus					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/1 (0%)	0/0 (0%)	0/8 (0%)	6/8 (75%)
POLY-3 RATE (b)	0/8.00	0/1.00	0/0.00	0/8.00	6/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	75%
TERMINAL (d)	0/8 (0%)	0/1 (0%)	0/0 (0%)	0/8 (0%)	6/8 (75%)
FIRST INCIDENCE	---	---	---	---	100 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.003**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Ovary Cyst					
LESION RATES					
OVERALL (a)	0/8 (0%)	1/1 (100%)	0/0 (0%)	0/8 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	1/1.00	0/0.00	0/8.00	0/8.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%
TERMINAL (d)	0/8 (0%)	1/1 (100%)	0/0 (0%)	0/8 (0%)	0/8 (0%)
FIRST INCIDENCE	---	100 (T)	---	---	---
STATISTICAL TESTS					
POLY 3	(e)	P=0.111	(e)	(e)	(e)
POLY 1.5	(e)	P=0.111	(e)	(e)	(e)
POLY 6	(e)	P=0.111	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.448N	P=0.111	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)	(e)	(e)

Experiment Number: 20313 - 02
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Acrylamide
CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Peripheral Nerve: Axon Degeneration					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	8/8 (100%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/8.00	0/8.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	8/8 (100%)
FIRST INCIDENCE	---	---	---	---	100 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Skeletal Muscle Atrophy					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	5/8 (63%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/8.00	0/8.00	5/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	62.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/8 (0%)	0/8 (0%)	5/8 (63%)
FIRST INCIDENCE	---	---	---	---	100 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.003**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.003**
POLY 6	(e)	(e)	(e)	(e)	P=0.003**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.013*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
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 First Dose M/F: 07/12/04 / 07/12/04
 Lab: NCTR

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Spinal Cord, Lumbar: Axon Degeneration					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	7/8 (88%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/8.00	7/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	87.5%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)	7/8 (88%)
FIRST INCIDENCE	---	---	---	---	100 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Spleen Pigmentation					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/8 (0%)
POLY-3 RATE (b)	0/8.00	0/0.00	1/1.00	0/0.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	100%	0%	0%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	100 (T)	---	---
STATISTICAL TESTS					
POLY 3	(e)	(e)	P=0.111	(e)	(e)
POLY 1.5	(e)	(e)	P=0.111	(e)	(e)
POLY 6	(e)	(e)	P=0.111	(e)	(e)
COCH-ARM / FISHERS	P=0.515N	(e)	P=0.111	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	P<0.001**	(e)	(e)

Experiment Number: 20313 - 02
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Acrylamide
 CAS Number: 79-06-1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/NCTR)
 TERMINAL SACRIFICE AT 15 WEEKS**

DOSE	Females				
	Control	25 ug/ml	50 ug/ml	100 ug/ml	250 ug/ml
Urinary Bladder: Lumen Dilatation					
LESION RATES					
OVERALL (a)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/8 (50%)
POLY-3 RATE (b)	0/8.00	0/0.00	0/0.00	0/0.00	4/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	50%
TERMINAL (d)	0/8 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/8 (50%)
FIRST INCIDENCE	---	---	---	---	100 (T)
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	(e)	P=0.024*
POLY 1.5	(e)	(e)	(e)	(e)	P=0.024*
POLY 6	(e)	(e)	(e)	(e)	P=0.024*
COCH-ARM / FISHERS	P=0.025*	(e)	(e)	(e)	P=0.038*
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.004**

Experiment Number: 20313 - 02
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/NCTR

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Acrylamide
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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***