

Experiment Number: 03038 - 02
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Sodium Tungstate, Dihydrate

CAS Number: 10213-10-2

Date Report Requested: 03/22/2012

Time Report Requested: 14:48:28

First Dose M/F: 06/02/09 / 06/01/09

Lab: BAT

F1_M3

NTP Study Number: C03038
Lock Date: 01/13/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.6.0.0_007
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF SODIUM TUNGSTATE, DIHYDRATE

MALE MICE

Organ

Kidney: Renal Tubule

FEMALE MICE

Organ

Kidney: Renal Tubule

Liver

Morphology

Regeneration

Morphology

Regeneration

Infiltration Cellular Mixed Cell

Necrosis

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Bone						
Fibro-osseous Lesion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Intestine Large, Rectum Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Intestine Small, Jejunum Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Kidney						
Infiltration Cellular Mononuclear Cell						
LESION RATES						
OVERALL (a)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	1/10.00	1/10.00	0/10.00	0/10.00	1/10.00	2/10.00
POLY-3 PERCENT (g)	10%	10%	0%	0%	10%	20%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
FIRST INCIDENCE	92 (T)	92 (T)	---	---	92 (T)	92 (T)
STATISTICAL TESTS						
POLY 3	P=0.176	P=0.760	P=0.500N	P=0.500N	P=0.760	P=0.500
POLY 1.5	P=0.176	P=0.760	P=0.500N	P=0.500N	P=0.760	P=0.500
POLY 6	P=0.176	P=0.760	P=0.500N	P=0.500N	P=0.760	P=0.500
COCH-ARM / FISHERS	P=0.171	P=0.763N	P=0.500N	P=0.500N	P=0.763N	P=0.500
MAX-ISO-POLY-3	P=0.214	P=1.000	P=0.158N	P=0.158N	P=1.000	P=0.274

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Kidney Nephropathy						
LESION RATES						
OVERALL (a)	2/10 (20%)	1/10 (10%)	1/10 (10%)	1/10 (10%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	1/10.00	1/10.00	1/10.00	2/10.00	0/10.00
POLY-3 PERCENT (g)	20%	10%	10%	10%	20%	0%
TERMINAL (d)	2/10 (20%)	1/10 (10%)	1/10 (10%)	1/10 (10%)	2/10 (20%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	92 (T)	92 (T)	92 (T)	92 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.257N	P=0.500N	P=0.500N	P=0.500N	P=0.702	P=0.227N
POLY 1.5	P=0.257N	P=0.500N	P=0.500N	P=0.500N	P=0.702	P=0.227N
POLY 6	P=0.257N	P=0.500N	P=0.500N	P=0.500N	P=0.702	P=0.227N
COCH-ARM / FISHERS	P=0.251N	P=0.500N	P=0.500N	P=0.500N	P=0.709N	P=0.237N
MAX-ISO-POLY-3	P=0.160N	P=0.274N	P=0.274N	P=0.274N	P=1.000	P=0.067N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Kidney: Renal Tubule Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	6/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	60%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	---	92 (T)	92 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Lacrimal Gland Inflammation						
LESION RATES						
OVERALL (a)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	1/1.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	100%	0%	0%	0%	0%	0%
TERMINAL (d)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Liver						
Infiltration Cellular Mixed Cell						
LESION RATES						
OVERALL (a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	40%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
FIRST INCIDENCE	92 (T)	---	---	---	---	92 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.407	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.327

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Liver Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Lung: Perivascular Infiltration Cellular Mononuclear Cell						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000mg/L
Salivary Glands						
Infiltration Cellular Mononuclear Cell						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone						
Fibro-osseous Lesion						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	92 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Large, Rectum Inflammation						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 03/22/2012
 Time Report Requested: 14:48:28
 First Dose M/F: 06/02/09 / 06/01/09
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Small, Jejunum Inflammation						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	92 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 03/22/2012
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 First Dose M/F: 06/02/09 / 06/01/09
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney						
Infiltration Cellular Mononuclear Cell						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	92 (T)	92 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.618	(e)	(e)	P=0.500	P=0.500	(e)
POLY 1.5	P=0.618	(e)	(e)	P=0.500	P=0.500	(e)
POLY 6	P=0.618	(e)	(e)	P=0.500	P=0.500	(e)
COCH-ARM / FISHERS	P=0.620	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.206	(e)	(e)	P=0.158	P=0.158	(e)

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 03/22/2012
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 First Dose M/F: 06/02/09 / 06/01/09
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Nephropathy						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	2/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	10%	20%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	92 (T)	92 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.239N	P=0.500	P=0.227	(e)	(e)	(e)
POLY 1.5	P=0.239N	P=0.500	P=0.227	(e)	(e)	(e)
POLY 6	P=0.239N	P=0.500	P=0.227	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.242N	P=0.500	P=0.237	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.149N	P=0.158	P=0.066	(e)	(e)	(e)

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 03/22/2012
 Time Report Requested: 14:48:28
 First Dose M/F: 06/02/09 / 06/01/09
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
FIRST INCIDENCE	---	---	---	---	92 (T)	92 (T)
STATISTICAL TESTS						
POLY 3	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 1.5	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.227
POLY 6	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.227
COCH-ARM / FISHERS	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.237
MAX-ISO-POLY-3	P=0.012*	(e)	(e)	(e)	P=0.158	P=0.066

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 03/22/2012
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 First Dose M/F: 06/02/09 / 06/01/09
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lacrimal Gland Inflammation						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver						
Infiltration Cellular Mixed Cell						
LESION RATES						
OVERALL (a)	9/10 (90%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	9/10 (90%)
POLY-3 RATE (b)	9/10.00	0/1.00	0/0.00	0/0.00	0/0.00	9/10.00
POLY-3 PERCENT (g)	90%	0%	0%	0%	0%	90%
TERMINAL (d)	9/10 (90%)	0/1 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	9/10 (90%)
FIRST INCIDENCE	92 (T)	---	---	---	---	92 (T)
STATISTICAL TESTS						
POLY 3	(e)	P=0.146N	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	P=0.146N	(e)	(e)	(e)	P=0.760
POLY 6	(e)	P=0.146N	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.438	P=0.182N	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	P=0.022N*	(e)	(e)	(e)	P=1.000

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/1.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	100%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	92 (T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	P=0.091	(e)	(e)	(e)	(e)
POLY 1.5	(e)	P=0.091	(e)	(e)	(e)	(e)
POLY 6	(e)	P=0.091	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.366N	P=0.091	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	P<0.001**	(e)	(e)	(e)	(e)

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate, Dihydrate
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Date Report Requested: 03/22/2012
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lung: Perivascular Infiltration Cellular Mononuclear Cell						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	92 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 03038 - 02
 Test Type: 14-WEEK
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	0 mg/L	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Salivary Glands						
Infiltration Cellular Mononuclear Cell						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	92 (T)	---	---	---	---	92 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.645	(e)	(e)	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=1.000

Experiment Number: 03038 - 02
Test Type: 14-WEEK
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium Tungstate, Dihydrate
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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 ***