

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019

Time Report Requested: 10:11:56

First Dose M/F: 01/17/12 / 01/16/12

Lab: BAT

Final Version 2

NTP Study Number: C03038
Lock Date: 05/25/2016
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 SODIUM TUNGSTATE DIHYDRATE

MALE MICE

Organ

Adrenal Cortex: Subcapsular
Bone Marrow
Bone
Brain
Epididymis
Eye: Retina
Harderian Gland
Intestine Large, Cecum
Islets, Pancreatic
Kidney

Kidney: Pelvis
Kidney: Renal Tubule

Liver

Liver: Hepatocyte
Lung
Lung: Alveolar Epithelium
Lymph Node, Mesenteric

Nose: Olfactory Epithelium
Nose: Respiratory Epithelium
Prostate

Morphology

Hyperplasia
Hypercellularity
Increased Bone
Hemorrhage
Granuloma Sperm
Dysplasia
Hyperplasia
Pigment
Hyperplasia
Bacteria
Cyst
Glomerulosclerosis
Infarct
Mineral
Nephropathy Chronic Progressive
Pigment
Dilation
Hyperplasia
Necrosis
Regeneration
Atypia Cellular
Basophilic Focus
Eosinophilic Focus
Infiltration Cellular Mixed Cell
Necrosis
Infiltration Cellular Histiocyte
Hyperplasia
Hyperplasia
Hyperplasia Lymphocyte
Metaplasia Respiratory
Accumulation, Hyaline Droplet
Inflammation Chronic

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

Seminal Vesicle

Spleen
Spleen: White Pulp
Stomach, Glandular
Testis: Germinal Epithelium
Thymus

Tooth

FEMALE MICE

Organ

Bone
Brain
Heart: Valve
Intestine Large, Cecum
Intestine Small, Jejunum
Kidney

Kidney: Renal Tubule
Liver

Lymph Node
Lymph Node, Mesenteric
Ovary

Ovary: Paraovarian Tissue
Parathyroid Gland
Spleen

Inflammation
Inflammation Chronic
Extramedullary Hematopoiesis
Hyperplasia
Cyst
Degeneration
Atrophy
Hyperplasia Atypical Lymphocyte
Inflammation

Morphology

Fibro-osseous Lesion
Polyarteritis Nodosa
Inflammation Chronic
Pigment
Inflammation Chronic
Mineral
Nephropathy Chronic Progressive
Pigment
Polyarteritis Nodosa
Regeneration
Basophilic Focus
Eosinophilic Focus
Fatty Change Diffuse
Inflammation Focal
Hyperplasia Lymphocyte
Hyperplasia Lymphocyte
Atrophy
Cyst
Cyst
Cyst
Extramedullary Hematopoiesis
Hyperplasia Lymphocyte
Infiltration Cellular Histocyte

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex Accessory Adrenal Cortical Nodule				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/42.18	2/43.08	2/46.59	2/43.68
POLY-3 PERCENT (g)	0%	4.6%	4.3%	4.6%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	2/35 (6%)	1/35 (3%)
FIRST INCIDENCE	---	660	730 (T)	701
STATISTICAL TESTS				
POLY 3	P=0.257	P=0.242	P=0.260	P=0.245
POLY 1.5	P=0.247	P=0.239	P=0.250	P=0.240
POLY 6	P=0.280	P=0.249	P=0.275	P=0.257
COCH-ARM / FISHERS	P=0.242	P=0.247	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.208	P=0.080	P=0.098	P=0.083

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Species/Strain: MICE/B6C3F1/N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Males				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	1/42.84	1/46.59	0/43.56
POLY-3 PERCENT (g)	0%	2.3%	2.2%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	---	723	730 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	5/42.18	4/43.34	3/47.00	3/43.56
POLY-3 PERCENT (g)	11.9%	9.2%	6.4%	6.9%
TERMINAL (d)	5/26 (19%)	3/31 (10%)	1/35 (3%)	3/35 (9%)
FIRST INCIDENCE	730 (T)	571	621	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.261N	P=0.483N	P=0.299N	P=0.338N
POLY 1.5	P=0.271N	P=0.493N	P=0.324N	P=0.351N
POLY 6	P=0.242N	P=0.460N	P=0.264N	P=0.310N
COCH-ARM / FISHERS	P=0.278N	P=0.500N	P=0.357N	P=0.357N
MAX-ISO-POLY-3	P=0.325N	P=0.348N	P=0.197N	P=0.219N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	19/50 (38%)	20/50 (40%)	21/50 (42%)	17/50 (34%)
POLY-3 RATE (b)	19/43.55	20/43.83	21/47.22	17/45.60
POLY-3 PERCENT (g)	43.6%	45.6%	44.5%	37.3%
TERMINAL (d)	15/26 (58%)	16/31 (52%)	18/35 (51%)	13/35 (37%)
FIRST INCIDENCE	589	596	615	407
STATISTICAL TESTS				
POLY 3	P=0.266N	P=0.511	P=0.553	P=0.345N
POLY 1.5	P=0.310N	P=0.499	P=0.493	P=0.384N
POLY 6	P=0.202N	P=0.552	P=0.537N	P=0.277N
COCH-ARM / FISHERS	P=0.356N	P=0.500	P=0.419	P=0.418N
MAX-ISO-POLY-3	P=0.396N	P=0.422	P=0.467	P=0.273N

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex: Subcapsular Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	6/50 (12%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/42.34	6/43.53	4/46.59	3/43.56
POLY-3 PERCENT (g)	2.4%	13.8%	8.6%	6.9%
TERMINAL (d)	0/26 (0%)	4/31 (13%)	4/35 (11%)	3/35 (9%)
FIRST INCIDENCE	689	596	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.488	P=0.060	P=0.209	P=0.315
POLY 1.5	P=0.471	P=0.057	P=0.196	P=0.308
POLY 6	P=0.524	P=0.065	P=0.229	P=0.332
COCH-ARM / FISHERS	P=0.463	P=0.056	P=0.181	P=0.309
MAX-ISO-POLY-3	P=0.173	P=0.027*	P=0.112	P=0.164

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.59	1/42.81	0/44.71	0/43.56
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Marrow Hypercellularity				
LESION RATES				
OVERALL (a)	15/50 (30%)	35/50 (70%)	26/50 (52%)	19/50 (38%)
POLY-3 RATE (b)	15/44.84	35/46.74	26/47.92	19/46.40
POLY-3 PERCENT (g)	33.5%	74.9%	54.3%	40.9%
TERMINAL (d)	9/26 (35%)	24/31 (77%)	20/35 (57%)	12/35 (34%)
FIRST INCIDENCE	468	440	509	424
STATISTICAL TESTS				
POLY 3	P=0.326N	P<0.001**	P=0.031*	P=0.299
POLY 1.5	P=0.377N	P<0.001**	P=0.025*	P=0.275
POLY 6	P=0.233N	P<0.001**	P=0.043*	P=0.356
COCH-ARM / FISHERS	P=0.415N	P<0.001**	P=0.021*	P=0.263
MAX-ISO-POLY-3	P=0.016*	P<0.001**	P=0.022*	P=0.232

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DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Marrow Hypocellularity				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	1/43.56
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	---	730 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Fibro-osseous Lesion				
LESION RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	4/42.77	3/42.84	4/46.71	4/44.11
POLY-3 PERCENT (g)	9.4%	7%	8.6%	9.1%
TERMINAL (d)	2/26 (8%)	2/31 (7%)	3/35 (9%)	2/35 (6%)
FIRST INCIDENCE	632	723	698	631
STATISTICAL TESTS				
POLY 3	P=0.542	P=0.499N	P=0.594N	P=0.627N
POLY 1.5	P=0.527	P=0.502N	P=0.615N	P=0.638N
POLY 6	P=0.571	P=0.489N	P=0.564N	P=0.600N
COCH-ARM / FISHERS	P=0.518	P=0.500N	P=0.643N	P=0.643N
MAX-ISO-POLY-3	P=0.660N	P=0.346N	P=0.449N	P=0.481N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone				
Increased Bone				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.55	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	628	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.112N	P=0.235N	P=0.217N	P=0.232N
POLY 1.5	P=0.112N	P=0.237N	P=0.226N	P=0.236N
POLY 6	P=0.114N	P=0.230N	P=0.206N	P=0.222N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.076N	P=0.076N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.80	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	596	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.111N	P=0.237N	P=0.219N	P=0.233N
POLY 1.5	P=0.112N	P=0.238N	P=0.227N	P=0.237N
POLY 6	P=0.113N	P=0.233N	P=0.208N	P=0.224N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.076N	P=0.076N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Brain Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	2/43.41	3/47.66	0/43.56
POLY-3 PERCENT (g)	0%	4.6%	6.3%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	613	615	---
STATISTICAL TESTS				
POLY 3	P=0.513N	P=0.243	P=0.142	(e)
POLY 1.5	P=0.526N	P=0.240	P=0.132	(e)
POLY 6	P=0.486N	P=0.252	P=0.159	(e)
COCH-ARM / FISHERS	P=0.531N	P=0.247	P=0.121	(e)
MAX-ISO-POLY-3	P=0.248N	P=0.082	P=0.058	(e)

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Brain				
Polyarteritis Nodosa				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	1/43.50	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	496	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Epididymis Granuloma Sperm				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/49 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/42.29	1/41.81	1/46.88	0/43.56
POLY-3 PERCENT (g)	7.1%	2.4%	2.1%	0%
TERMINAL (d)	2/26 (8%)	1/30 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	703	730 (T)	652	---
STATISTICAL TESTS				
POLY 3	P=0.068N	P=0.309N	P=0.269N	P=0.113N
POLY 1.5	P=0.070N	P=0.312N	P=0.285N	P=0.117N
POLY 6	P=0.066N	P=0.299N	P=0.248N	P=0.105N
COCH-ARM / FISHERS	P=0.072N	P=0.316N	P=0.309N	P=0.121N
MAX-ISO-POLY-3	P=0.042N*	P=0.156N	P=0.142N	P=0.038N*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Males				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Esophagus Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.18	1/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	2.3%	0%	0%
TERMINAL (d)	1/26 (4%)	1/31 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Eye: Lens				
Cataract				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.18	1/42.81	0/46.59	2/43.75
POLY-3 PERCENT (g)	0%	2.3%	0%	4.6%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	---	730 (T)	---	680
STATISTICAL TESTS				
POLY 3	P=0.147	P=0.503	(e)	P=0.245
POLY 1.5	P=0.142	P=0.501	(e)	P=0.240
POLY 6	P=0.155	P=0.509	(e)	P=0.258
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.087	P=0.162	(e)	P=0.084

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Eye: Retina Dysplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	4/46.99	0/43.56
POLY-3 PERCENT (g)	0%	0%	8.5%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	3/35 (9%)	0/35 (0%)
FIRST INCIDENCE	---	---	615	---
STATISTICAL TESTS				
POLY 3	P=0.514	(e)	P=0.075	(e)
POLY 1.5	P=0.502	(e)	P=0.069	(e)
POLY 6	P=0.545	(e)	P=0.086	(e)
COCH-ARM / FISHERS	P=0.500	(e)	P=0.059	(e)
MAX-ISO-POLY-3	P=0.137	(e)	P=0.032*	(e)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/42.18	3/43.60	1/46.59	1/43.56
POLY-3 PERCENT (g)	0%	6.9%	2.2%	2.3%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	1/35 (3%)	1/35 (3%)
FIRST INCIDENCE	---	481	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.611	P=0.124	P=0.520	P=0.506
POLY 1.5	P=0.598	P=0.121	P=0.511	P=0.502
POLY 6	P=0.609N	P=0.131	P=0.532	P=0.517
COCH-ARM / FISHERS	P=0.591	P=0.121	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.251	P=0.043*	P=0.183	P=0.166

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart Cardiomyopathy				
LESION RATES				
OVERALL (a)	7/50 (14%)	3/50 (6%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	7/42.69	3/43.39	6/46.70	4/43.56
POLY-3 PERCENT (g)	16.4%	6.9%	12.9%	9.2%
TERMINAL (d)	4/26 (15%)	0/31 (0%)	5/35 (14%)	4/35 (11%)
FIRST INCIDENCE	675	613	702	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.302N	P=0.149N	P=0.431N	P=0.248N
POLY 1.5	P=0.312N	P=0.155N	P=0.461N	P=0.258N
POLY 6	P=0.285N	P=0.137N	P=0.391N	P=0.225N
COCH-ARM / FISHERS	P=0.316N	P=0.159N	P=0.500N	P=0.262N
MAX-ISO-POLY-3	P=0.242N	P=0.086N	P=0.325N	P=0.160N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart				
Mineral				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/42.18	0/42.81	2/47.50	1/43.63
POLY-3 PERCENT (g)	0%	0%	4.2%	2.3%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	575	712
STATISTICAL TESTS				
POLY 3	P=0.255	(e)	P=0.265	P=0.507
POLY 1.5	P=0.248	(e)	P=0.252	P=0.502
POLY 6	P=0.272	(e)	P=0.283	P=0.517
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.203	(e)	P=0.102	P=0.167

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart: Atrium Thrombus				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.64	2/43.26	0/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	4.6%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	596	650	---	---
STATISTICAL TESTS				
POLY 3	P=0.181N	P=0.505	P=0.482N	P=0.496N
POLY 1.5	P=0.185N	P=0.501	P=0.490N	P=0.499N
POLY 6	P=0.174N	P=0.516	P=0.471N	P=0.487N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.175N	P=0.286	P=0.158N	P=0.158N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart: Valve Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart: Valve Thrombus				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Large, Cecum Pigment				
LESION RATES				
OVERALL (a)	3/50 (6%)	7/50 (14%)	17/50 (34%)	32/50 (64%)
POLY-3 RATE (b)	3/42.18	7/42.81	17/47.28	32/44.33
POLY-3 PERCENT (g)	7.1%	16.4%	36%	72.2%
TERMINAL (d)	3/26 (12%)	7/31 (23%)	14/35 (40%)	26/35 (74%)
FIRST INCIDENCE	730 (T)	730 (T)	615	644
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.161	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.158	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.172	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.159	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.094	P<0.001**	P<0.001**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Small, Jejunum Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.92	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	468	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	37/47 (79%)	33/50 (66%)	32/49 (65%)	28/50 (56%)
POLY-3 RATE (b)	37/45.40	33/45.27	32/47.05	28/46.99
POLY-3 PERCENT (g)	81.5%	72.9%	68%	59.6%
TERMINAL (d)	22/26 (85%)	24/31 (77%)	26/35 (74%)	21/35 (60%)
FIRST INCIDENCE	468	536	509	363
STATISTICAL TESTS				
POLY 3	P=0.010N**	P=0.223N	P=0.096N	P=0.015N*
POLY 1.5	P=0.013N*	P=0.179N	P=0.101N	P=0.015N*
POLY 6	P=0.007N**	P=0.263N	P=0.093N	P=0.013N*
COCH-ARM / FISHERS	P=0.017N*	P=0.121N	P=0.108N	P=0.015N*
MAX-ISO-POLY-3	P=0.012N*	P=0.157N	P=0.061N	P=0.008N**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Bacteria				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.08	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	468	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.111N	P=0.238N	P=0.220N	P=0.234N
POLY 1.5	P=0.111N	P=0.239N	P=0.228N	P=0.238N
POLY 6	P=0.112N	P=0.234N	P=0.209N	P=0.225N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.077N	P=0.076N	P=0.076N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	7/50 (14%)
POLY-3 RATE (b)	0/42.18	0/42.81	1/46.59	7/44.01
POLY-3 PERCENT (g)	0%	0%	2.2%	15.9%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	6/35 (17%)
FIRST INCIDENCE	---	---	730 (T)	599
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	P=0.520	P=0.009**
POLY 1.5	P<0.001**	(e)	P=0.511	P=0.008**
POLY 6	P<0.001**	(e)	P=0.532	P=0.011*
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.006**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.183	P=0.003**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Glomerulosclerosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.74	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	632	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.111N	P=0.236N	P=0.218N	P=0.233N
POLY 1.5	P=0.112N	P=0.238N	P=0.226N	P=0.236N
POLY 6	P=0.113N	P=0.232N	P=0.208N	P=0.224N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.076N	P=0.076N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Infarct				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	3/42.18	0/42.81	4/46.59	4/43.56
POLY-3 PERCENT (g)	7.1%	0%	8.6%	9.2%
TERMINAL (d)	3/26 (12%)	0/31 (0%)	4/35 (11%)	4/35 (11%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.226	P=0.115N	P=0.554	P=0.518
POLY 1.5	P=0.219	P=0.118N	P=0.530	P=0.505
POLY 6	P=0.241	P=0.110N	P=0.588	P=0.546
COCH-ARM / FISHERS	P=0.216	P=0.121N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.235	P=0.038N*	P=0.402	P=0.365

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Males				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Metaplasia Osseous				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/42.18	0/42.81	1/46.59	3/44.01
POLY-3 PERCENT (g)	2.4%	0%	2.2%	6.8%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	1/35 (3%)	2/35 (6%)
FIRST INCIDENCE	730 (T)	---	730 (T)	599
STATISTICAL TESTS				
POLY 3	P=0.102	P=0.497N	P=0.738N	P=0.320
POLY 1.5	P=0.099	P=0.499N	P=0.748N	P=0.311
POLY 6	P=0.107	P=0.491N	P=0.723N	P=0.341
COCH-ARM / FISHERS	P=0.097	P=0.500N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.099	P=0.158N	P=0.472N	P=0.170

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Mineral				
LESION RATES				
OVERALL (a)	18/50 (36%)	10/50 (20%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	18/45.47	10/44.47	9/47.24	6/44.75
POLY-3 PERCENT (g)	39.6%	22.5%	19.1%	13.4%
TERMINAL (d)	8/26 (31%)	6/31 (19%)	7/35 (20%)	4/35 (11%)
FIRST INCIDENCE	468	481	575	363
STATISTICAL TESTS				
POLY 3	P=0.004N**	P=0.060N	P=0.023N*	P=0.004N**
POLY 1.5	P=0.004N**	P=0.061N	P=0.028N*	P=0.004N**
POLY 6	P=0.003N**	P=0.056N	P=0.018N*	P=0.003N**
COCH-ARM / FISHERS	P=0.005N**	P=0.059N	P=0.035N*	P=0.005N**
MAX-ISO-POLY-3	P=0.002N**	P=0.039N*	P=0.014N*	P=0.002N**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Nephropathy Chronic Progressive				
LESION RATES				
OVERALL (a)	43/50 (86%)	48/50 (96%)	47/50 (94%)	47/50 (94%)
POLY-3 RATE (b)	43/47.07	48/48.88	47/49.54	47/49.12
POLY-3 PERCENT (g)	91.4%	98.2%	94.9%	95.7%
TERMINAL (d)	26/26 (100%)	31/31 (100%)	35/35 (100%)	34/35 (97%)
FIRST INCIDENCE	502	440	509	363
STATISTICAL TESTS				
POLY 3	P=0.355	P=0.094	P=0.374	P=0.305
POLY 1.5	P=0.244	P=0.082	P=0.260	P=0.213
POLY 6	P=0.583	P=0.142	P=0.572	P=0.513
COCH-ARM / FISHERS	P=0.170	P=0.080	P=0.159	P=0.159
MAX-ISO-POLY-3	P=0.174	P=0.031*	P=0.223	P=0.168

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Pigment				
LESION RATES				
OVERALL (a)	30/50 (60%)	10/50 (20%)	18/50 (36%)	44/50 (88%)
POLY-3 RATE (b)	30/45.09	10/43.42	18/46.72	44/48.64
POLY-3 PERCENT (g)	66.5%	23%	38.5%	90.5%
TERMINAL (d)	20/26 (77%)	8/31 (26%)	16/35 (46%)	31/35 (89%)
FIRST INCIDENCE	564	547	702	363
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001N**	P=0.004N**	P=0.002**
POLY 1.5	P<0.001**	P<0.001N**	P=0.007N**	P<0.001**
POLY 6	P<0.001**	P<0.001N**	P=0.003N**	P=0.006**
COCH-ARM / FISHERS	P<0.001**	P<0.001N**	P=0.014N*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001N**	P=0.003N**	P<0.001**

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Males				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Polyarteritis Nodosa				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	1/43.50	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	496	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Pelvis Dilation				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/43.59	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	6.9%	0%	0%	0%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	468	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.043N*	P=0.122N	P=0.107N	P=0.118N
POLY 1.5	P=0.043N*	P=0.122N	P=0.113N	P=0.121N
POLY 6	P=0.043N*	P=0.118N	P=0.099N	P=0.112N
COCH-ARM / FISHERS	P=0.047N*	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.009N**	P=0.040N*	P=0.038N*	P=0.038N*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Males				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Pelvis Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.25	1/42.95	0/46.59	0/43.56
POLY-3 PERCENT (g)	4.7%	2.3%	0%	0%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	713	694	---	---
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.494N	P=0.216N	P=0.230N
POLY 1.5	P=0.099N	P=0.498N	P=0.225N	P=0.235N
POLY 6	P=0.096N	P=0.483N	P=0.204N	P=0.219N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.277N	P=0.076N	P=0.076N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	1/46.61	0/43.56
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	724	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Cyst				
LESION RATES				
OVERALL (a)	5/50 (10%)	7/50 (14%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	5/42.37	7/42.84	6/47.25	9/43.92
POLY-3 PERCENT (g)	11.8%	16.3%	12.7%	20.5%
TERMINAL (d)	4/26 (15%)	6/31 (19%)	5/35 (14%)	8/35 (23%)
FIRST INCIDENCE	680	723	509	631
STATISTICAL TESTS				
POLY 3	P=0.195	P=0.386	P=0.576	P=0.210
POLY 1.5	P=0.182	P=0.380	P=0.543	P=0.198
POLY 6	P=0.224	P=0.403	P=0.619	P=0.241
COCH-ARM / FISHERS	P=0.172	P=0.380	P=0.500	P=0.194
MAX-ISO-POLY-3	P=0.221	P=0.275	P=0.450	P=0.140

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	3/42.81	1/46.59	0/43.56
POLY-3 PERCENT (g)	0%	7%	2.2%	0%
TERMINAL (d)	0/26 (0%)	3/31 (10%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.348N	P=0.121	P=0.520	(e)
POLY 1.5	P=0.359N	P=0.119	P=0.511	(e)
POLY 6	P=0.326N	P=0.126	P=0.532	(e)
COCH-ARM / FISHERS	P=0.366N	P=0.121	P=0.500	(e)
MAX-ISO-POLY-3	P=0.228N	P=0.040*	P=0.183	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	3/45.15
POLY-3 PERCENT (g)	0%	0%	0%	6.6%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	363
STATISTICAL TESTS				
POLY 3	P=0.012*	(e)	(e)	P=0.131
POLY 1.5	P=0.011*	(e)	(e)	P=0.125
POLY 6	P=0.013*	(e)	(e)	P=0.143
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.014*	(e)	(e)	P=0.049*

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Regeneration				
LESION RATES				
OVERALL (a)	2/50 (4%)	21/50 (42%)	32/50 (64%)	38/50 (76%)
POLY-3 RATE (b)	2/42.18	21/46.19	32/47.82	38/46.14
POLY-3 PERCENT (g)	4.7%	45.5%	66.9%	82.4%
TERMINAL (d)	2/26 (8%)	13/31 (42%)	27/35 (77%)	30/35 (86%)
FIRST INCIDENCE	730 (T)	440	575	424
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.18	1/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	2.3%	0%	0%
TERMINAL (d)	1/26 (4%)	1/31 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Atypia Cellular				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	2/43.83
POLY-3 PERCENT (g)	0%	0%	0%	4.6%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	680
STATISTICAL TESTS				
POLY 3	P=0.047*	(e)	(e)	P=0.246
POLY 1.5	P=0.046*	(e)	(e)	P=0.240
POLY 6	P=0.049*	(e)	(e)	P=0.259
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.039*	(e)	(e)	P=0.084

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	2/42.69	5/42.90	5/47.17	7/44.44
POLY-3 PERCENT (g)	4.7%	11.7%	10.6%	15.8%
TERMINAL (d)	0/26 (0%)	4/31 (13%)	3/35 (9%)	5/35 (14%)
FIRST INCIDENCE	632	709	649	363
STATISTICAL TESTS				
POLY 3	P=0.089	P=0.217	P=0.259	P=0.088
POLY 1.5	P=0.083	P=0.215	P=0.240	P=0.083
POLY 6	P=0.103	P=0.224	P=0.286	P=0.099
COCH-ARM / FISHERS	P=0.077	P=0.218	P=0.218	P=0.080
MAX-ISO-POLY-3	P=0.081	P=0.120	P=0.161	P=0.046*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	16/50 (32%)	14/50 (28%)	12/50 (24%)	13/50 (26%)
POLY-3 RATE (b)	16/42.53	14/42.81	12/46.59	13/43.56
POLY-3 PERCENT (g)	37.6%	32.7%	25.8%	29.8%
TERMINAL (d)	15/26 (58%)	14/31 (45%)	12/35 (34%)	13/35 (37%)
FIRST INCIDENCE	632	730 (T)	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.245N	P=0.400N	P=0.162N	P=0.294N
POLY 1.5	P=0.270N	P=0.412N	P=0.199N	P=0.319N
POLY 6	P=0.201N	P=0.367N	P=0.116N	P=0.239N
COCH-ARM / FISHERS	P=0.287N	P=0.414N	P=0.252N	P=0.330N
MAX-ISO-POLY-3	P=0.265N	P=0.315N	P=0.122N	P=0.223N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver Eosinophilic Focus				
LESION RATES				
OVERALL (a)	23/50 (46%)	20/50 (40%)	25/50 (50%)	14/50 (28%)
POLY-3 RATE (b)	23/45.09	20/42.95	25/47.80	14/44.18
POLY-3 PERCENT (g)	51%	46.6%	52.3%	31.7%
TERMINAL (d)	14/26 (54%)	19/31 (61%)	21/35 (60%)	13/35 (37%)
FIRST INCIDENCE	502	694	509	532
STATISTICAL TESTS				
POLY 3	P=0.043N*	P=0.417N	P=0.534	P=0.046N*
POLY 1.5	P=0.050N*	P=0.389N	P=0.486	P=0.049N*
POLY 6	P=0.032N*	P=0.443N	P=0.578N	P=0.039N*
COCH-ARM / FISHERS	P=0.054N	P=0.343N	P=0.421	P=0.048N*
MAX-ISO-POLY-3	P=0.049N*	P=0.337N	P=0.450	P=0.029N*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	4/50 (8%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	4/42.99	1/42.81	3/46.74	1/43.56
POLY-3 PERCENT (g)	9.3%	2.3%	6.4%	2.3%
TERMINAL (d)	2/26 (8%)	1/31 (3%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	468	730 (T)	698	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.186N	P=0.179N	P=0.454N	P=0.174N
POLY 1.5	P=0.191N	P=0.181N	P=0.475N	P=0.179N
POLY 6	P=0.176N	P=0.172N	P=0.424N	P=0.161N
COCH-ARM / FISHERS	P=0.194N	P=0.181N	P=0.500N	P=0.181N
MAX-ISO-POLY-3	P=0.113N	P=0.084N	P=0.314N	P=0.082N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Fatty Change Diffuse				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	2/42.55	0/42.81	4/46.59	2/45.27
POLY-3 PERCENT (g)	4.7%	0%	8.6%	4.4%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	4/35 (11%)	0/35 (0%)
FIRST INCIDENCE	628	---	730 (T)	363
STATISTICAL TESTS				
POLY 3	P=0.438	P=0.235N	P=0.380	P=0.672N
POLY 1.5	P=0.422	P=0.237N	P=0.361	P=0.682N
POLY 6	P=0.463	P=0.230N	P=0.407	P=0.652N
COCH-ARM / FISHERS	P=0.404	P=0.247N	P=0.339	P=0.691N
MAX-ISO-POLY-3	P=0.291	P=0.076N	P=0.244	P=0.475N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	2/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	2/35 (6%)	0/35 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.606	(e)	P=0.260	(e)
POLY 1.5	P=0.597	(e)	P=0.250	(e)
POLY 6	P=0.628	(e)	P=0.275	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.278	(e)	P=0.098	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Infiltration Cellular Mixed Cell				
LESION RATES				
OVERALL (a)	1/50 (2%)	6/50 (12%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	1/42.18	6/42.81	5/46.59	4/43.56
POLY-3 PERCENT (g)	2.4%	14%	10.7%	9.2%
TERMINAL (d)	1/26 (4%)	6/31 (19%)	5/35 (14%)	4/35 (11%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.324	P=0.057	P=0.126	P=0.188
POLY 1.5	P=0.307	P=0.056	P=0.115	P=0.181
POLY 6	P=0.362	P=0.061	P=0.143	P=0.204
COCH-ARM / FISHERS	P=0.299	P=0.056	P=0.102	P=0.181
MAX-ISO-POLY-3	P=0.128	P=0.025*	P=0.067	P=0.092

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Inflammation Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	8/50 (16%)	4/50 (8%)	11/50 (22%)	9/50 (18%)
POLY-3 RATE (b)	8/42.59	4/42.81	11/47.25	9/44.68
POLY-3 PERCENT (g)	18.8%	9.3%	23.3%	20.1%
TERMINAL (d)	7/26 (27%)	4/31 (13%)	10/35 (29%)	7/35 (20%)
FIRST INCIDENCE	613	730 (T)	509	544
STATISTICAL TESTS				
POLY 3	P=0.299	P=0.171N	P=0.397	P=0.544
POLY 1.5	P=0.275	P=0.176N	P=0.356	P=0.517
POLY 6	P=0.344	P=0.159N	P=0.454	P=0.596
COCH-ARM / FISHERS	P=0.257	P=0.178N	P=0.306	P=0.500
MAX-ISO-POLY-3	P=0.292	P=0.104N	P=0.310	P=0.436

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver: Hepatocyte Fatty Change Focal				
LESION RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	2/42.85	5/43.27	4/47.65	5/44.68
POLY-3 PERCENT (g)	4.7%	11.6%	8.4%	11.2%
TERMINAL (d)	0/26 (0%)	4/31 (13%)	2/35 (6%)	3/35 (9%)
FIRST INCIDENCE	564	596	509	544
STATISTICAL TESTS				
POLY 3	P=0.268	P=0.219	P=0.387	P=0.233
POLY 1.5	P=0.252	P=0.216	P=0.366	P=0.222
POLY 6	P=0.299	P=0.228	P=0.418	P=0.255
COCH-ARM / FISHERS	P=0.240	P=0.218	P=0.339	P=0.218
MAX-ISO-POLY-3	P=0.243	P=0.122	P=0.251	P=0.135

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver: Hepatocyte Necrosis				
LESION RATES				
OVERALL (a)	9/50 (18%)	8/50 (16%)	3/50 (6%)	8/50 (16%)
POLY-3 RATE (b)	9/44.03	8/45.75	3/46.89	8/46.81
POLY-3 PERCENT (g)	20.4%	17.5%	6.4%	17.1%
TERMINAL (d)	2/26 (8%)	3/31 (10%)	0/35 (0%)	3/35 (9%)
FIRST INCIDENCE	468	440	686	407
STATISTICAL TESTS				
POLY 3	P=0.355N	P=0.465N	P=0.046N*	P=0.445N
POLY 1.5	P=0.372N	P=0.482N	P=0.052N	P=0.472N
POLY 6	P=0.331N	P=0.439N	P=0.038N*	P=0.402N
COCH-ARM / FISHERS	P=0.391N	P=0.500N	P=0.061N	P=0.500N
MAX-ISO-POLY-3	P=0.212N	P=0.362N	P=0.026N*	P=0.345N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lung Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	2/43.56
POLY-3 PERCENT (g)	0%	0%	0%	4.6%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	2/35 (6%)
FIRST INCIDENCE	---	---	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.047*	(e)	(e)	P=0.244
POLY 1.5	P=0.046*	(e)	(e)	P=0.239
POLY 6	P=0.049*	(e)	(e)	P=0.256
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.038*	(e)	(e)	P=0.082

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	7/50 (14%)	5/50 (10%)
POLY-3 RATE (b)	1/42.18	3/43.58	7/46.71	5/43.56
POLY-3 PERCENT (g)	2.4%	6.9%	15%	11.5%
TERMINAL (d)	1/26 (4%)	2/31 (7%)	6/35 (17%)	5/35 (14%)
FIRST INCIDENCE	730 (T)	453	698	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.085	P=0.317	P=0.042*	P=0.108
POLY 1.5	P=0.080	P=0.311	P=0.037*	P=0.103
POLY 6	P=0.100	P=0.329	P=0.052	P=0.120
COCH-ARM / FISHERS	P=0.079	P=0.309	P=0.030*	P=0.102
MAX-ISO-POLY-3	P=0.067	P=0.166	P=0.023*	P=0.050*

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node Hemorrhage				
LESION RATES				
OVERALL (a)	0/3 (0%)	0/4 (0%)	0/6 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/2.65	0/3.92	0/5.19	0/0.69
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/3 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	0/3 (0%)	1/4 (25%)	1/6 (17%)	0/1 (0%)
POLY-3 RATE (b)	0/2.65	1/3.92	1/5.19	0/0.69
POLY-3 PERCENT (g)	0%	25.5%	19.3%	0%
TERMINAL (d)	0/0 (0%)	1/3 (33%)	1/3 (33%)	0/0 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Atrophy				
LESION RATES				
OVERALL (a)	1/48 (2%)	1/50 (2%)	0/49 (0%)	1/48 (2%)
POLY-3 RATE (b)	1/40.76	1/43.42	0/45.76	1/41.99
POLY-3 PERCENT (g)	2.5%	2.3%	0%	2.4%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	704	536	---	729
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Hyperplasia				
LESION RATES				
OVERALL (a)	1/48 (2%)	4/50 (8%)	2/49 (4%)	0/48 (0%)
POLY-3 RATE (b)	1/40.77	4/43.01	2/45.91	0/41.99
POLY-3 PERCENT (g)	2.5%	9.3%	4.4%	0%
TERMINAL (d)	0/26 (0%)	3/31 (10%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	703	680	694	---
STATISTICAL TESTS				
POLY 3	P=0.185N	P=0.194	P=0.541	P=0.494N
POLY 1.5	P=0.195N	P=0.192	P=0.526	P=0.498N
POLY 6	P=0.168N	P=0.202	P=0.562	P=0.484N
COCH-ARM / FISHERS	P=0.201N	P=0.194	P=0.508	P=0.500N
MAX-ISO-POLY-3	P=0.141N	P=0.096	P=0.324	P=0.158N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	1/48 (2%)	0/50 (0%)	2/49 (4%)	1/48 (2%)
POLY-3 RATE (b)	1/40.66	0/42.81	2/45.76	1/41.99
POLY-3 PERCENT (g)	2.5%	0%	4.4%	2.4%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	2/35 (6%)	1/35 (3%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.508	P=0.490N	P=0.541	P=0.754N
POLY 1.5	P=0.500	P=0.491N	P=0.526	P=0.759N
POLY 6	P=0.526	P=0.485N	P=0.562	P=0.742N
COCH-ARM / FISHERS	P=0.496	P=0.490N	P=0.508	P=0.753N
MAX-ISO-POLY-3	P=0.416	P=0.156N	P=0.324	P=0.490N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	2/48 (4%)	1/50 (2%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	2/40.66	1/42.90	0/45.76	0/41.99
POLY-3 PERCENT (g)	4.9%	2.3%	0%	0%
TERMINAL (d)	2/26 (8%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	709	---	---
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.481N	P=0.212N	P=0.230N
POLY 1.5	P=0.098N	P=0.485N	P=0.221N	P=0.235N
POLY 6	P=0.096N	P=0.472N	P=0.199N	P=0.218N
COCH-ARM / FISHERS	P=0.100N	P=0.485N	P=0.242N	P=0.247N
MAX-ISO-POLY-3	P=0.075N	P=0.268N	P=0.074N	P=0.075N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/46 (0%)	0/48 (0%)	1/48 (2%)
POLY-3 RATE (b)	2/42.18	0/39.68	0/44.84	1/42.48
POLY-3 PERCENT (g)	4.7%	0%	0%	2.4%
TERMINAL (d)	2/26 (8%)	0/29 (0%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	730 (T)	---	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.463N	P=0.250N	P=0.224N	P=0.498N
POLY 1.5	P=0.463N	P=0.254N	P=0.234N	P=0.507N
POLY 6	P=0.467N	P=0.243N	P=0.210N	P=0.478N
COCH-ARM / FISHERS	P=0.466N	P=0.269N	P=0.258N	P=0.515N
MAX-ISO-POLY-3	P=0.141N	P=0.084N	P=0.078N	P=0.281N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	4/50 (8%)	4/46 (9%)	2/48 (4%)	2/48 (4%)
POLY-3 RATE (b)	4/43.30	4/39.88	2/45.53	2/42.68
POLY-3 PERCENT (g)	9.2%	10%	4.4%	4.7%
TERMINAL (d)	0/26 (0%)	1/29 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	596	709	615	680
STATISTICAL TESTS				
POLY 3	P=0.204N	P=0.598	P=0.314N	P=0.343N
POLY 1.5	P=0.213N	P=0.595	P=0.332N	P=0.352N
POLY 6	P=0.191N	P=0.607	P=0.290N	P=0.325N
COCH-ARM / FISHERS	P=0.219N	P=0.595	P=0.359N	P=0.359N
MAX-ISO-POLY-3	P=0.293N	P=0.451	P=0.191N	P=0.206N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/46 (11%)	5/48 (10%)	4/48 (8%)
POLY-3 RATE (b)	4/42.31	5/40.84	5/44.87	4/42.48
POLY-3 PERCENT (g)	9.5%	12.2%	11.1%	9.4%
TERMINAL (d)	3/26 (12%)	1/29 (3%)	4/35 (11%)	4/35 (11%)
FIRST INCIDENCE	697	571	724	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.516N	P=0.478	P=0.537	P=0.642N
POLY 1.5	P=0.532N	P=0.462	P=0.509	P=0.631
POLY 6	P=0.486N	P=0.509	P=0.576	P=0.613N
COCH-ARM / FISHERS	P=0.546N	P=0.447	P=0.474	P=0.619
MAX-ISO-POLY-3	P=0.640N	P=0.342	P=0.400	P=0.497N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/46 (4%)	0/48 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/42.18	2/39.80	0/44.84	0/42.48
POLY-3 PERCENT (g)	0%	5%	0%	0%
TERMINAL (d)	0/26 (0%)	0/29 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	709	---	---
STATISTICAL TESTS				
POLY 3	P=0.391N	P=0.224	(e)	(e)
POLY 1.5	P=0.400N	P=0.221	(e)	(e)
POLY 6	P=0.375N	P=0.231	(e)	(e)
COCH-ARM / FISHERS	P=0.409N	P=0.227	(e)	(e)
MAX-ISO-POLY-3	P=0.247N	P=0.071	(e)	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/46 (0%)	3/48 (6%)	1/48 (2%)
POLY-3 RATE (b)	0/42.18	0/39.68	3/44.84	1/42.67
POLY-3 PERCENT (g)	0%	0%	6.7%	2.3%
TERMINAL (d)	0/26 (0%)	0/29 (0%)	3/35 (9%)	0/35 (0%)
FIRST INCIDENCE	---	---	730 (T)	680
STATISTICAL TESTS				
POLY 3	P=0.262	(e)	P=0.130	P=0.502
POLY 1.5	P=0.250	(e)	P=0.122	P=0.496
POLY 6	P=0.287	(e)	P=0.143	P=0.514
COCH-ARM / FISHERS	P=0.244	(e)	P=0.114	P=0.490
MAX-ISO-POLY-3	P=0.137	(e)	P=0.049*	P=0.164

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/46 (0%)	1/48 (2%)	1/48 (2%)
POLY-3 RATE (b)	3/43.27	0/39.68	1/44.84	1/42.48
POLY-3 PERCENT (g)	6.9%	0%	2.2%	2.4%
TERMINAL (d)	1/26 (4%)	0/29 (0%)	1/35 (3%)	1/35 (3%)
FIRST INCIDENCE	468	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.295N	P=0.134N	P=0.292N	P=0.311N
POLY 1.5	P=0.298N	P=0.135N	P=0.305N	P=0.318N
POLY 6	P=0.290N	P=0.130N	P=0.274N	P=0.296N
COCH-ARM / FISHERS	P=0.303N	P=0.137N	P=0.324N	P=0.324N
MAX-ISO-POLY-3	P=0.113N	P=0.048N*	P=0.152N	P=0.158N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/46 (2%)	0/48 (0%)	0/48 (0%)
POLY-3 RATE (b)	2/42.29	1/39.68	0/44.84	0/42.48
POLY-3 PERCENT (g)	4.7%	2.5%	0%	0%
TERMINAL (d)	1/26 (4%)	1/29 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	703	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.100N	P=0.522N	P=0.224N	P=0.236N
POLY 1.5	P=0.102N	P=0.527N	P=0.234N	P=0.242N
POLY 6	P=0.099N	P=0.512N	P=0.211N	P=0.224N
COCH-ARM / FISHERS	P=0.104N	P=0.532N	P=0.258N	P=0.258N
MAX-ISO-POLY-3	P=0.083N	P=0.301N	P=0.078N	P=0.078N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric: Lymphatic Sinus Ectasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/46 (0%)	0/48 (0%)	0/48 (0%)
POLY-3 RATE (b)	1/42.18	0/39.68	0/44.84	0/42.48
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	1/26 (4%)	0/29 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/1 (0%)	0/2 (0%)	0/2 (0%)	0/4 (0%)
POLY-3 RATE (b)	0/0.84	0/1.97	0/2.00	0/4.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/2 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Mesentery Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/8 (38%)	0/3 (0%)	0/6 (0%)	0/4 (0%)
POLY-3 RATE (b)	3/7.26	0/2.31	0/5.22	0/3.69
POLY-3 PERCENT (g)	41.3%	0%	0%	0%
TERMINAL (d)	2/4 (50%)	0/2 (0%)	0/3 (0%)	0/3 (0%)
FIRST INCIDENCE	713	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.058N	P=0.365N	P=0.144N	P=0.227N
POLY 1.5	P=0.059N	P=0.349N	P=0.143N	P=0.233N
POLY 6	P=0.056N	P=0.370N	P=0.144N	P=0.217N
COCH-ARM / FISHERS	P=0.073N	P=0.339N	P=0.154N	P=0.255N
MAX-ISO-POLY-3	P=0.076N	P=0.188N	P=0.052N	P=0.098N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	2/8 (25%)	2/3 (67%)	3/6 (50%)	2/4 (50%)
POLY-3 RATE (b)	2/7.19	2/2.31	3/5.36	2/3.69
POLY-3 PERCENT (g)	27.8%	86.4%	55.9%	54.3%
TERMINAL (d)	2/4 (50%)	2/2 (100%)	2/3 (67%)	2/3 (67%)
FIRST INCIDENCE	730 (T)	730 (T)	694	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.312	P=0.206	P=0.338	P=0.426
POLY 1.5	P=0.311	P=0.235	P=0.341	P=0.423
POLY 6	P=0.320	P=0.187	P=0.339	P=0.435
COCH-ARM / FISHERS	P=0.303	P=0.279	P=0.343	P=0.406
MAX-ISO-POLY-3	P=0.280	P=0.101	P=0.177	P=0.235

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	2/42.81	1/46.60	0/43.56
POLY-3 PERCENT (g)	0%	4.7%	2.2%	0%
TERMINAL (d)	0/26 (0%)	2/31 (7%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	728	---
STATISTICAL TESTS				
POLY 3	P=0.446N	P=0.240	P=0.520	(e)
POLY 1.5	P=0.455N	P=0.238	P=0.511	(e)
POLY 6	P=0.426N	P=0.247	P=0.532	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.335N	P=0.079	P=0.183	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose Inflammation Acute				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Olfactory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	19/50 (38%)	16/50 (32%)	12/50 (24%)	10/50 (20%)
POLY-3 RATE (b)	19/44.23	16/44.40	12/47.17	10/43.63
POLY-3 PERCENT (g)	43%	36%	25.4%	22.9%
TERMINAL (d)	12/26 (46%)	12/31 (39%)	7/35 (20%)	8/35 (23%)
FIRST INCIDENCE	502	453	649	713
STATISTICAL TESTS				
POLY 3	P=0.020N*	P=0.324N	P=0.057N	P=0.034N*
POLY 1.5	P=0.022N*	P=0.334N	P=0.073N	P=0.037N*
POLY 6	P=0.016N*	P=0.302N	P=0.040N*	P=0.027N*
COCH-ARM / FISHERS	P=0.024N*	P=0.338N	P=0.097N	P=0.038N*
MAX-ISO-POLY-3	P=0.030N*	P=0.250N	P=0.040N*	P=0.021N*

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	0/50 (0%)	5/50 (10%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.18	5/44.00	0/46.59	1/43.56
POLY-3 PERCENT (g)	0%	11.4%	0%	2.3%
TERMINAL (d)	0/26 (0%)	3/31 (10%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	---	536	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.034*	(e)	P=0.506
POLY 1.5	P=0.431N	P=0.032*	(e)	P=0.502
POLY 6	P=0.387N	P=0.038*	(e)	P=0.517
COCH-ARM / FISHERS	P=0.444N	P=0.028*	(e)	P=0.500
MAX-ISO-POLY-3	P=0.187N	P=0.012*	(e)	P=0.166

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	4/50 (8%)	1/50 (2%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	4/43.07	1/42.81	4/47.77	6/43.75
POLY-3 PERCENT (g)	9.3%	2.3%	8.4%	13.7%
TERMINAL (d)	2/26 (8%)	1/31 (3%)	1/35 (3%)	5/35 (14%)
FIRST INCIDENCE	589	730 (T)	509	680
STATISTICAL TESTS				
POLY 3	P=0.157	P=0.180N	P=0.585N	P=0.379
POLY 1.5	P=0.151	P=0.181N	P=0.610N	P=0.370
POLY 6	P=0.169	P=0.174N	P=0.550N	P=0.404
COCH-ARM / FISHERS	P=0.148	P=0.181N	P=0.643N	P=0.370
MAX-ISO-POLY-3	P=0.153	P=0.085N	P=0.441N	P=0.262

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.18	2/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	4.7%	4.7%	0%	0%
TERMINAL (d)	2/26 (8%)	2/31 (7%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.081N	P=0.689N	P=0.216N	P=0.230N
POLY 1.5	P=0.083N	P=0.693N	P=0.225N	P=0.235N
POLY 6	P=0.077N	P=0.679N	P=0.203N	P=0.219N
COCH-ARM / FISHERS	P=0.086N	P=0.691N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.119N	P=0.493N	P=0.076N	P=0.076N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pancreas: Duct Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.29	0/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	704	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Parathyroid Gland Cyst				
LESION RATES				
OVERALL (a)	0/44 (0%)	1/43 (2%)	0/48 (0%)	0/43 (0%)
POLY-3 RATE (b)	0/37.78	1/38.44	0/44.71	0/37.07
POLY-3 PERCENT (g)	0%	2.6%	0%	0%
TERMINAL (d)	0/24 (0%)	1/29 (3%)	0/34 (0%)	0/30 (0%)
FIRST INCIDENCE	---	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pituitary Gland Angiectasis				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.53	0/42.81	0/45.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/31 (0%)	0/34 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pituitary Gland Cyst				
LESION RATES				
OVERALL (a)	0/48 (0%)	2/50 (4%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/40.53	2/43.08	1/45.59	2/43.56
POLY-3 PERCENT (g)	0%	4.6%	2.2%	4.6%
TERMINAL (d)	0/25 (0%)	1/31 (3%)	1/34 (3%)	2/35 (6%)
FIRST INCIDENCE	---	660	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.267	P=0.251	P=0.523	P=0.253
POLY 1.5	P=0.259	P=0.248	P=0.515	P=0.248
POLY 6	P=0.285	P=0.258	P=0.535	P=0.265
COCH-ARM / FISHERS	P=0.253	P=0.258	P=0.505	P=0.258
MAX-ISO-POLY-3	P=0.181	P=0.087	P=0.186	P=0.089

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	2/48 (4%)	2/50 (4%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/40.73	2/42.81	3/46.10	1/43.56
POLY-3 PERCENT (g)	4.9%	4.7%	6.5%	2.3%
TERMINAL (d)	1/25 (4%)	2/31 (7%)	2/34 (6%)	1/35 (3%)
FIRST INCIDENCE	680	730 (T)	575	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.377N	P=0.676N	P=0.556	P=0.476N
POLY 1.5	P=0.387N	P=0.679N	P=0.536	P=0.483N
POLY 6	P=0.359N	P=0.668N	P=0.584	P=0.461N
COCH-ARM / FISHERS	P=0.391N	P=0.676N	P=0.510	P=0.485N
MAX-ISO-POLY-3	P=0.415N	P=0.479N	P=0.381	P=0.265N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Preputial Gland Cyst				
LESION RATES				
OVERALL (a)	14/49 (29%)	16/50 (32%)	20/50 (40%)	15/50 (30%)
POLY-3 RATE (b)	14/42.35	16/44.48	20/47.40	15/45.27
POLY-3 PERCENT (g)	33.1%	36%	42.2%	33.1%
TERMINAL (d)	10/25 (40%)	13/31 (42%)	15/35 (43%)	9/35 (26%)
FIRST INCIDENCE	564	453	621	532
STATISTICAL TESTS				
POLY 3	P=0.539N	P=0.476	P=0.249	P=0.587
POLY 1.5	P=0.501	P=0.457	P=0.207	P=0.550
POLY 6	P=0.452N	P=0.512	P=0.318	P=0.519N
COCH-ARM / FISHERS	P=0.472	P=0.440	P=0.162	P=0.526
MAX-ISO-POLY-3	P=0.522	P=0.387	P=0.196	P=0.496

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Preputial Gland Inflammation				
LESION RATES				
OVERALL (a)	7/49 (14%)	13/50 (26%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	7/41.90	13/43.20	8/46.73	4/43.57
POLY-3 PERCENT (g)	16.7%	30.1%	17.1%	9.2%
TERMINAL (d)	4/25 (16%)	11/31 (36%)	7/35 (20%)	3/35 (9%)
FIRST INCIDENCE	632	629	694	729
STATISTICAL TESTS				
POLY 3	P=0.074N	P=0.112	P=0.591	P=0.237N
POLY 1.5	P=0.082N	P=0.111	P=0.559	P=0.247N
POLY 6	P=0.059N	P=0.120	P=0.589N	P=0.215N
COCH-ARM / FISHERS	P=0.090N	P=0.115	P=0.517	P=0.251N
MAX-ISO-POLY-3	P=0.070N	P=0.072	P=0.479	P=0.153N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Preputial Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	6/49 (12%)	2/50 (4%)	6/50 (12%)	9/50 (18%)
POLY-3 RATE (b)	6/41.18	2/43.01	6/46.89	9/44.36
POLY-3 PERCENT (g)	14.6%	4.7%	12.8%	20.3%
TERMINAL (d)	6/25 (24%)	1/31 (3%)	4/35 (11%)	6/35 (17%)
FIRST INCIDENCE	730 (T)	680	649	532
STATISTICAL TESTS				
POLY 3	P=0.113	P=0.118N	P=0.527N	P=0.341
POLY 1.5	P=0.105	P=0.123N	P=0.562N	P=0.317
POLY 6	P=0.129	P=0.106N	P=0.475N	P=0.392
COCH-ARM / FISHERS	P=0.100	P=0.128N	P=0.606N	P=0.303
MAX-ISO-POLY-3	P=0.121	P=0.062N	P=0.408N	P=0.251

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Prostate Inflammation Chronic				
LESION RATES				
OVERALL (a)	5/50 (10%)	2/50 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	5/43.01	2/43.56	3/46.99	0/43.56
POLY-3 PERCENT (g)	11.6%	4.6%	6.4%	0%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	613	536	652	---
STATISTICAL TESTS				
POLY 3	P=0.029N*	P=0.210N	P=0.309N	P=0.029N*
POLY 1.5	P=0.030N*	P=0.215N	P=0.329N	P=0.030N*
POLY 6	P=0.027N*	P=0.200N	P=0.282N	P=0.026N*
COCH-ARM / FISHERS	P=0.031N*	P=0.218N	P=0.357N	P=0.028N*
MAX-ISO-POLY-3	P=0.015N*	P=0.116N	P=0.203N	P=0.009N**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Seminal Vesicle Inflammation				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/42.18	0/42.81	0/46.59	1/43.57
POLY-3 PERCENT (g)	7.1%	0%	0%	2.3%
TERMINAL (d)	3/26 (12%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	---	---	729
STATISTICAL TESTS				
POLY 3	P=0.242N	P=0.115N	P=0.102N	P=0.293N
POLY 1.5	P=0.243N	P=0.118N	P=0.109N	P=0.302N
POLY 6	P=0.245N	P=0.110N	P=0.092N	P=0.275N
COCH-ARM / FISHERS	P=0.247N	P=0.121N	P=0.121N	P=0.309N
MAX-ISO-POLY-3	P=0.041N*	P=0.038N*	P=0.038N*	P=0.149N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Seminal Vesicle Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/42.66	0/42.81	1/46.61	0/43.56
POLY-3 PERCENT (g)	7%	0%	2.2%	0%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	613	---	724	---
STATISTICAL TESTS				
POLY 3	P=0.082N	P=0.118N	P=0.274N	P=0.115N
POLY 1.5	P=0.083N	P=0.119N	P=0.288N	P=0.118N
POLY 6	P=0.081N	P=0.114N	P=0.256N	P=0.107N
COCH-ARM / FISHERS	P=0.086N	P=0.121N	P=0.309N	P=0.121N
MAX-ISO-POLY-3	P=0.023N*	P=0.038N*	P=0.143N	P=0.038N*

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.37	0/42.81	2/46.89	0/43.56
POLY-3 PERCENT (g)	2.4%	0%	4.3%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	680	---	649	---
STATISTICAL TESTS				
POLY 3	P=0.453N	P=0.498N	P=0.535	P=0.494N
POLY 1.5	P=0.459N	P=0.500N	P=0.520	P=0.499N
POLY 6	P=0.442N	P=0.493N	P=0.557	P=0.485N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.332N	P=0.158N	P=0.319	P=0.158N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin: Subcutaneous Tissue Edema				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.53	2/43.08	0/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	4.6%	0%	0%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	632	660	---	---
STATISTICAL TESTS				
POLY 3	P=0.181N	P=0.504	P=0.482N	P=0.495N
POLY 1.5	P=0.185N	P=0.501	P=0.490N	P=0.499N
POLY 6	P=0.174N	P=0.514	P=0.471N	P=0.486N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.174N	P=0.285	P=0.158N	P=0.158N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	10/49 (20%)	17/50 (34%)	10/49 (20%)	5/50 (10%)
POLY-3 RATE (b)	10/43.32	17/47.75	10/46.19	5/45.82
POLY-3 PERCENT (g)	23.1%	35.6%	21.7%	10.9%
TERMINAL (d)	4/26 (15%)	5/31 (16%)	7/35 (20%)	1/35 (3%)
FIRST INCIDENCE	578	440	649	424
STATISTICAL TESTS				
POLY 3	P=0.023N*	P=0.139	P=0.536N	P=0.104N
POLY 1.5	P=0.026N*	P=0.120	P=0.563N	P=0.113N
POLY 6	P=0.018N*	P=0.171	P=0.500N	P=0.089N
COCH-ARM / FISHERS	P=0.032N*	P=0.098	P=0.599N	P=0.122N
MAX-ISO-POLY-3	P=0.030N*	P=0.103	P=0.436N	P=0.065N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.55	0/42.81	0/45.76	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Males				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.55	0/42.81	0/45.76	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Pigment				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/41.55	0/42.81	1/45.87	2/43.75
POLY-3 PERCENT (g)	0%	0%	2.2%	4.6%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	701	701
STATISTICAL TESTS				
POLY 3	P=0.075	(e)	P=0.520	P=0.249
POLY 1.5	P=0.073	(e)	P=0.511	P=0.244
POLY 6	P=0.080	(e)	P=0.532	P=0.260
COCH-ARM / FISHERS	P=0.072	(e)	P=0.500	P=0.253
MAX-ISO-POLY-3	P=0.090	(e)	P=0.183	P=0.086

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen: Red Pulp Atrophy				
LESION RATES				
OVERALL (a)	6/49 (12%)	3/50 (6%)	3/49 (6%)	7/50 (14%)
POLY-3 RATE (b)	6/43.95	3/43.97	3/46.56	7/45.90
POLY-3 PERCENT (g)	13.7%	6.8%	6.4%	15.3%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	502	536	615	407
STATISTICAL TESTS				
POLY 3	P=0.357	P=0.241N	P=0.214N	P=0.534
POLY 1.5	P=0.346	P=0.240N	P=0.227N	P=0.521
POLY 6	P=0.376	P=0.236N	P=0.195N	P=0.562
COCH-ARM / FISHERS	P=0.336	P=0.233N	P=0.243N	P=0.516
MAX-ISO-POLY-3	P=0.272	P=0.146N	P=0.133N	P=0.415

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen: White Pulp Atrophy				
LESION RATES				
OVERALL (a)	8/49 (16%)	6/50 (12%)	5/49 (10%)	8/50 (16%)
POLY-3 RATE (b)	8/44.70	6/45.22	5/47.23	8/46.55
POLY-3 PERCENT (g)	17.9%	13.3%	10.6%	17.2%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	502	481	509	407
STATISTICAL TESTS				
POLY 3	P=0.549	P=0.377N	P=0.241N	P=0.573N
POLY 1.5	P=0.537	P=0.378N	P=0.256N	P=0.584N
POLY 6	P=0.545N	P=0.368N	P=0.220N	P=0.550N
COCH-ARM / FISHERS	P=0.525	P=0.371N	P=0.276N	P=0.590N
MAX-ISO-POLY-3	P=0.463N	P=0.274N	P=0.165N	P=0.464N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen: White Pulp Hyperplasia				
LESION RATES				
OVERALL (a)	3/49 (6%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	3/41.55	0/42.81	0/45.76	2/43.56
POLY-3 PERCENT (g)	7.2%	0%	0%	4.6%
TERMINAL (d)	3/26 (12%)	0/31 (0%)	0/35 (0%)	2/35 (6%)
FIRST INCIDENCE	730 (T)	---	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.520N	P=0.113N	P=0.102N	P=0.478N
POLY 1.5	P=0.521N	P=0.115N	P=0.109N	P=0.488N
POLY 6	P=0.522N	P=0.108N	P=0.093N	P=0.457N
COCH-ARM / FISHERS	P=0.526N	P=0.117N	P=0.121N	P=0.490N
MAX-ISO-POLY-3	P=0.097N	P=0.037N*	P=0.038N*	P=0.307N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Forestomach Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	1/42.81	1/46.59	0/43.56
POLY-3 PERCENT (g)	0%	2.3%	2.2%	0%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.59	0/42.81	1/46.88	0/43.56
POLY-3 PERCENT (g)	4.7%	0%	2.1%	0%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	613	---	652	---
STATISTICAL TESTS				
POLY 3	P=0.184N	P=0.236N	P=0.467N	P=0.232N
POLY 1.5	P=0.186N	P=0.237N	P=0.481N	P=0.236N
POLY 6	P=0.182N	P=0.231N	P=0.446N	P=0.222N
COCH-ARM / FISHERS	P=0.188N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.076N	P=0.262N	P=0.076N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	2/42.37	2/42.81	3/47.39	0/43.56
POLY-3 PERCENT (g)	4.7%	4.7%	6.3%	0%
TERMINAL (d)	1/26 (4%)	2/31 (7%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	680	730 (T)	575	---
STATISTICAL TESTS				
POLY 3	P=0.188N	P=0.691N	P=0.551	P=0.231N
POLY 1.5	P=0.196N	P=0.693N	P=0.529	P=0.235N
POLY 6	P=0.174N	P=0.682N	P=0.581	P=0.221N
COCH-ARM / FISHERS	P=0.199N	P=0.691N	P=0.500	P=0.247N
MAX-ISO-POLY-3	P=0.178N	P=0.495N	P=0.376	P=0.076N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Glandular Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	3/42.81	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	7%	0%	0%
TERMINAL (d)	0/26 (0%)	3/31 (10%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.294N	P=0.121	(e)	(e)
POLY 1.5	P=0.303N	P=0.119	(e)	(e)
POLY 6	P=0.276N	P=0.126	(e)	(e)
COCH-ARM / FISHERS	P=0.311N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.169N	P=0.040*	(e)	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Glandular Mineral				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	2/42.81	1/46.59	0/43.56
POLY-3 PERCENT (g)	0%	4.7%	2.2%	0%
TERMINAL (d)	0/26 (0%)	2/31 (7%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.446N	P=0.240	P=0.520	(e)
POLY 1.5	P=0.455N	P=0.238	P=0.511	(e)
POLY 6	P=0.426N	P=0.247	P=0.532	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.335N	P=0.079	P=0.183	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Testis: Germinal Epithelium Degeneration				
LESION RATES				
OVERALL (a)	11/50 (22%)	20/50 (40%)	20/50 (40%)	20/50 (40%)
POLY-3 RATE (b)	11/43.10	20/44.56	20/47.29	20/45.97
POLY-3 PERCENT (g)	25.5%	44.9%	42.3%	43.5%
TERMINAL (d)	6/26 (23%)	15/31 (48%)	16/35 (46%)	12/35 (34%)
FIRST INCIDENCE	632	496	621	521
STATISTICAL TESTS				
POLY 3	P=0.106	P=0.043*	P=0.069	P=0.056
POLY 1.5	P=0.083	P=0.040*	P=0.055	P=0.045*
POLY 6	P=0.159	P=0.051	P=0.094	P=0.083
COCH-ARM / FISHERS	P=0.070	P=0.041*	P=0.041*	P=0.041*
MAX-ISO-POLY-3	P=0.069	P=0.027*	P=0.051	P=0.039*

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thymus Atrophy				
LESION RATES				
OVERALL (a)	19/45 (42%)	14/44 (32%)	10/44 (23%)	6/41 (15%)
POLY-3 RATE (b)	19/42.67	14/42.44	10/42.00	6/38.45
POLY-3 PERCENT (g)	44.5%	33%	23.8%	15.6%
TERMINAL (d)	4/23 (17%)	2/27 (7%)	5/32 (16%)	1/32 (3%)
FIRST INCIDENCE	468	453	615	363
STATISTICAL TESTS				
POLY 3	P=0.002N**	P=0.191N	P=0.035N*	P=0.004N**
POLY 1.5	P=0.002N**	P=0.200N	P=0.037N*	P=0.004N**
POLY 6	P=0.002N**	P=0.180N	P=0.032N*	P=0.003N**
COCH-ARM / FISHERS	P=0.003N**	P=0.213N	P=0.041N*	P=0.004N**
MAX-ISO-POLY-3	P=0.003N**	P=0.137N	P=0.021N*	P=0.002N**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thymus Hyperplasia Atypical Lymphocyte				
LESION RATES				
OVERALL (a)	2/45 (4%)	0/44 (0%)	0/44 (0%)	0/41 (0%)
POLY-3 RATE (b)	2/37.52	0/37.79	0/41.28	0/35.74
POLY-3 PERCENT (g)	5.3%	0%	0%	0%
TERMINAL (d)	2/23 (9%)	0/27 (0%)	0/32 (0%)	0/32 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.119N	P=0.235N	P=0.216N	P=0.247N
POLY 1.5	P=0.119N	P=0.239N	P=0.227N	P=0.254N
POLY 6	P=0.123N	P=0.227N	P=0.201N	P=0.232N
COCH-ARM / FISHERS	P=0.121N	P=0.253N	P=0.253N	P=0.271N
MAX-ISO-POLY-3	P=0.035N*	P=0.076N	P=0.076N	P=0.081N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thyroid Gland: Follicle Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.42	0/42.27	2/46.88	0/43.56
POLY-3 PERCENT (g)	2.4%	0%	4.3%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	668	---	652	---
STATISTICAL TESTS				
POLY 3	P=0.453N	P=0.501N	P=0.535	P=0.495N
POLY 1.5	P=0.458N	P=0.503N	P=0.520	P=0.499N
POLY 6	P=0.443N	P=0.495N	P=0.556	P=0.486N
COCH-ARM / FISHERS	P=0.459N	P=0.505N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.333N	P=0.160N	P=0.318	P=0.158N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thyroid Gland: Follicle Degeneration				
LESION RATES				
OVERALL (a)	12/50 (24%)	8/49 (16%)	8/50 (16%)	9/50 (18%)
POLY-3 RATE (b)	12/43.84	8/42.66	8/46.59	9/44.44
POLY-3 PERCENT (g)	27.4%	18.8%	17.2%	20.3%
TERMINAL (d)	6/26 (23%)	6/31 (19%)	7/35 (20%)	8/35 (23%)
FIRST INCIDENCE	589	629	729	363
STATISTICAL TESTS				
POLY 3	P=0.293N	P=0.242N	P=0.179N	P=0.295N
POLY 1.5	P=0.305N	P=0.245N	P=0.199N	P=0.307N
POLY 6	P=0.274N	P=0.231N	P=0.156N	P=0.272N
COCH-ARM / FISHERS	P=0.316N	P=0.242N	P=0.227N	P=0.312N
MAX-ISO-POLY-3	P=0.257N	P=0.172N	P=0.127N	P=0.217N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth Dental Dysplasia				
LESION RATES				
OVERALL (a)	41/42 (98%)	31/33 (94%)	43/44 (98%)	34/35 (97%)
POLY-3 RATE (b)	41/42.00	31/33.00	43/44.00	34/35.00
POLY-3 PERCENT (g)	97.6%	93.9%	97.7%	97.1%
TERMINAL (d)	24/25 (96%)	24/26 (92%)	30/31 (97%)	26/27 (96%)
FIRST INCIDENCE	468	496	509	363
STATISTICAL TESTS				
POLY 3	P=0.565	P=0.416N	P=0.750	P=0.719N
POLY 1.5	P=0.565	P=0.416N	P=0.750	P=0.719N
POLY 6	P=0.565	P=0.416N	P=0.750	P=0.719N
COCH-ARM / FISHERS	P=0.565	P=0.409N	P=0.741	P=0.706N
MAX-ISO-POLY-3	P=0.576	P=0.225N	P=0.486	P=0.449N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth Inflammation				
LESION RATES				
OVERALL (a)	0/42 (0%)	1/33 (3%)	0/44 (0%)	4/35 (11%)
POLY-3 RATE (b)	0/35.94	1/30.72	0/40.72	4/31.38
POLY-3 PERCENT (g)	0%	3.3%	0%	12.8%
TERMINAL (d)	0/25 (0%)	1/26 (4%)	0/31 (0%)	4/27 (15%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.009**	P=0.468	(e)	P=0.042*
POLY 1.5	P=0.008**	P=0.461	(e)	P=0.040*
POLY 6	P=0.009**	P=0.479	(e)	P=0.046*
COCH-ARM / FISHERS	P=0.009**	P=0.440	(e)	P=0.039*
MAX-ISO-POLY-3	P=0.005**	P=0.142	(e)	P=0.013*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/42 (5%)	0/33 (0%)	1/44 (2%)	0/35 (0%)
POLY-3 RATE (b)	2/35.94	0/30.72	1/40.72	0/31.38
POLY-3 PERCENT (g)	5.6%	0%	2.5%	0%
TERMINAL (d)	2/25 (8%)	0/26 (0%)	1/31 (3%)	0/27 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.205N	P=0.271N	P=0.456N	P=0.267N
POLY 1.5	P=0.204N	P=0.280N	P=0.468N	P=0.273N
POLY 6	P=0.207N	P=0.259N	P=0.442N	P=0.255N
COCH-ARM / FISHERS	P=0.202N	P=0.310N	P=0.482N	P=0.294N
MAX-ISO-POLY-3	P=0.102N	P=0.095N	P=0.255N	P=0.094N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex				
Accessory Adrenal Cortical Nodule				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/45.50	1/47.32	3/46.29	2/47.18
POLY-3 PERCENT (g)	6.6%	2.1%	6.5%	4.2%
TERMINAL (d)	3/38 (8%)	1/41 (2%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	666	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.516N	P=0.291N	P=0.654N	P=0.484N
POLY 1.5	P=0.523N	P=0.296N	P=0.658N	P=0.493N
POLY 6	P=0.509N	P=0.288N	P=0.652N	P=0.473N
COCH-ARM / FISHERS	P=0.523N	P=0.309N	P=0.661N	P=0.500N
MAX-ISO-POLY-3	P=0.485N	P=0.149N	P=0.491N	P=0.313N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.73	0/47.32	0/45.99	2/47.49
POLY-3 PERCENT (g)	2.2%	0%	0%	4.2%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	669	---	---	670
STATISTICAL TESTS				
POLY 3	P=0.246	P=0.493N	P=0.499N	P=0.513
POLY 1.5	P=0.245	P=0.495N	P=0.499N	P=0.505
POLY 6	P=0.249	P=0.492N	P=0.500N	P=0.522
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.149	P=0.159N	P=0.159N	P=0.295

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	1/47.32	0/45.99	1/47.41
POLY-3 PERCENT (g)	0%	2.1%	0%	2.1%
TERMINAL (d)	0/38 (0%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	---	668
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/45.50	0/47.32	1/45.99	3/47.27
POLY-3 PERCENT (g)	2.2%	0%	2.2%	6.4%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	---	729 (T)	706
STATISTICAL TESTS				
POLY 3	P=0.098	P=0.492N	P=0.758N	P=0.319
POLY 1.5	P=0.096	P=0.495N	P=0.759N	P=0.311
POLY 6	P=0.100	P=0.490N	P=0.758N	P=0.328
COCH-ARM / FISHERS	P=0.097	P=0.500N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.097	P=0.159N	P=0.496N	P=0.169

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Cortex: Subcapsular Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	0/47.32	0/45.99	1/47.18
POLY-3 PERCENT (g)	2.2%	0%	0%	2.1%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/45.50	0/47.32	1/45.99	2/46.19
POLY-3 PERCENT (g)	0%	0%	2.2%	4.3%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.070	(e)	P=0.502	P=0.241
POLY 1.5	P=0.068	(e)	P=0.501	P=0.236
POLY 6	P=0.072	(e)	P=0.502	P=0.246
COCH-ARM / FISHERS	P=0.068	(e)	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.082	(e)	P=0.161	P=0.080

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Marrow Hypercellularity				
LESION RATES				
OVERALL (a)	17/48 (35%)	24/50 (48%)	18/49 (37%)	20/48 (42%)
POLY-3 RATE (b)	17/45.62	24/49.35	18/47.02	20/47.64
POLY-3 PERCENT (g)	37.3%	48.6%	38.3%	42%
TERMINAL (d)	11/36 (31%)	17/41 (42%)	12/37 (32%)	15/39 (39%)
FIRST INCIDENCE	432	599	598	47
STATISTICAL TESTS				
POLY 3	P=0.510	P=0.181	P=0.545	P=0.400
POLY 1.5	P=0.487	P=0.166	P=0.534	P=0.376
POLY 6	P=0.534	P=0.203	P=0.558	P=0.427
COCH-ARM / FISHERS	P=0.450	P=0.145	P=0.530	P=0.338
MAX-ISO-POLY-3	P=0.465	P=0.138	P=0.459	P=0.325

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Marrow Hypocellularity				
LESION RATES				
OVERALL (a)	1/48 (2%)	2/50 (4%)	0/49 (0%)	1/48 (2%)
POLY-3 RATE (b)	1/43.50	2/47.32	0/44.99	1/45.41
POLY-3 PERCENT (g)	2.3%	4.2%	0%	2.2%
TERMINAL (d)	1/36 (3%)	2/41 (5%)	0/37 (0%)	1/39 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.496N	P=0.529	P=0.493N	P=0.751N
POLY 1.5	P=0.500N	P=0.524	P=0.495N	P=0.756N
POLY 6	P=0.492N	P=0.533	P=0.493N	P=0.745N
COCH-ARM / FISHERS	P=0.504N	P=0.515	P=0.495N	P=0.753N
MAX-ISO-POLY-3	P=0.398N	P=0.311	P=0.157N	P=0.487N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Fibro-osseous Lesion				
LESION RATES				
OVERALL (a)	15/50 (30%)	23/50 (46%)	8/50 (16%)	8/50 (16%)
POLY-3 RATE (b)	15/45.61	23/48.13	8/47.35	8/47.36
POLY-3 PERCENT (g)	32.9%	47.8%	16.9%	16.9%
TERMINAL (d)	14/38 (37%)	20/41 (49%)	6/38 (16%)	6/40 (15%)
FIRST INCIDENCE	702	629	245	683
STATISTICAL TESTS				
POLY 3	P=0.004N**	P=0.102	P=0.059N	P=0.059N
POLY 1.5	P=0.005N**	P=0.090	P=0.064N	P=0.068N
POLY 6	P=0.003N**	P=0.114	P=0.056N	P=0.051N
COCH-ARM / FISHERS	P=0.008N**	P=0.074	P=0.077N	P=0.077N
MAX-ISO-POLY-3	P=0.006N**	P=0.074	P=0.038N*	P=0.038N*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Increased Bone				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	2/47.32	1/45.99	1/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	2.2%	2.1%
TERMINAL (d)	1/38 (3%)	2/41 (5%)	1/38 (3%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.521N	P=0.514	P=0.758N	P=0.752N
POLY 1.5	P=0.527N	P=0.509	P=0.759N	P=0.757N
POLY 6	P=0.515N	P=0.517	P=0.758N	P=0.747N
COCH-ARM / FISHERS	P=0.531N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.587N	P=0.296	P=0.496N	P=0.489N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Brain Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Brain Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	1/47.69	2/46.42	0/47.18
POLY-3 PERCENT (g)	0%	2.1%	4.3%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	627	629	---
STATISTICAL TESTS				
POLY 3	P=0.604N	P=0.509	P=0.242	(e)
POLY 1.5	P=0.612N	P=0.506	P=0.240	(e)
POLY 6	P=0.595N	P=0.512	P=0.243	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.341N	P=0.170	P=0.080	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate Dihydrate
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

		Females		
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Brain				
Polyarteritis Nodosa				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/45.50	1/47.32	0/45.99	3/47.18
POLY-3 PERCENT (g)	0%	2.1%	0%	6.4%
TERMINAL (d)	0/38 (0%)	1/41 (2%)	0/38 (0%)	3/40 (8%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.045*	P=0.508	(e)	P=0.125
POLY 1.5	P=0.043*	P=0.505	(e)	P=0.122
POLY 6	P=0.046*	P=0.510	(e)	P=0.130
COCH-ARM / FISHERS	P=0.044*	P=0.500	(e)	P=0.121
MAX-ISO-POLY-3	P=0.028*	P=0.168	(e)	P=0.043*

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Esophagus Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	0/47.32	2/46.43	2/47.18
POLY-3 PERCENT (g)	2.2%	0%	4.3%	4.2%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	---	598	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.252	P=0.492N	P=0.507	P=0.513
POLY 1.5	P=0.247	P=0.495N	P=0.504	P=0.505
POLY 6	P=0.258	P=0.490N	P=0.509	P=0.520
COCH-ARM / FISHERS	P=0.245	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.285	P=0.159N	P=0.288	P=0.294

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Eye: Lens				
Cataract				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/48 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/45.50	1/47.32	1/44.26	0/47.18
POLY-3 PERCENT (g)	2.2%	2.1%	2.3%	0%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Eye: Retina Dysplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/48 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	1/44.26	0/47.18
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/48 (6%)	3/50 (6%)
POLY-3 RATE (b)	1/45.50	2/47.32	3/44.26	3/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	6.8%	6.4%
TERMINAL (d)	1/38 (3%)	2/41 (5%)	3/38 (8%)	3/40 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.239	P=0.514	P=0.295	P=0.318
POLY 1.5	P=0.231	P=0.509	P=0.293	P=0.311
POLY 6	P=0.248	P=0.517	P=0.297	P=0.327
COCH-ARM / FISHERS	P=0.226	P=0.500	P=0.293	P=0.309
MAX-ISO-POLY-3	P=0.276	P=0.296	P=0.148	P=0.168

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart Cardiomyopathy				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/45.73	1/47.77	0/45.99	3/47.39
POLY-3 PERCENT (g)	2.2%	2.1%	0%	6.3%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	669	599	---	683
STATISTICAL TESTS				
POLY 3	P=0.162	P=0.751N	P=0.499N	P=0.318
POLY 1.5	P=0.160	P=0.754N	P=0.499N	P=0.311
POLY 6	P=0.164	P=0.748N	P=0.500N	P=0.326
COCH-ARM / FISHERS	P=0.160	P=0.753N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.119	P=0.487N	P=0.159N	P=0.168

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart Mineral				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.73	1/47.33	0/45.99	0/47.18
POLY-3 PERCENT (g)	2.2%	2.1%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	669	727	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart: Atrium Thrombus				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	1/46.95	0/47.18
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	245	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart: Valve Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	3/47.32	0/45.99	1/47.18
POLY-3 PERCENT (g)	0%	6.3%	0%	2.1%
TERMINAL (d)	0/38 (0%)	3/41 (7%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.621N	P=0.126	(e)	P=0.507
POLY 1.5	P=0.628N	P=0.124	(e)	P=0.503
POLY 6	P=0.615N	P=0.128	(e)	P=0.512
COCH-ARM / FISHERS	P=0.634	P=0.121	(e)	P=0.500
MAX-ISO-POLY-3	P=0.284	P=0.044*	(e)	P=0.168

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium Tungstate Dihydrate
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Heart: Valve Thrombus				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.50	1/47.32	0/45.99	2/48.21
POLY-3 PERCENT (g)	0%	2.1%	0%	4.2%
TERMINAL (d)	0/38 (0%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	---	430
STATISTICAL TESTS				
POLY 3	P=0.148	P=0.508	(e)	P=0.250
POLY 1.5	P=0.144	P=0.505	(e)	P=0.244
POLY 6	P=0.152	P=0.510	(e)	P=0.257
COCH-ARM / FISHERS	P=0.140	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.094	P=0.168	(e)	P=0.089

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Large, Cecum Pigment				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	7/50 (14%)	14/50 (28%)
POLY-3 RATE (b)	0/45.50	3/47.32	7/45.99	14/47.27
POLY-3 PERCENT (g)	0%	6.3%	15.2%	29.6%
TERMINAL (d)	0/38 (0%)	3/41 (7%)	7/38 (18%)	13/40 (33%)
FIRST INCIDENCE	---	729 (T)	729 (T)	706
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.126	P=0.008**	P<0.001**
POLY 1.5	P<0.001**	P=0.124	P=0.008**	P<0.001**
POLY 6	P<0.001**	P=0.128	P=0.008**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.121	P=0.006**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.044*	P=0.002**	P<0.001**

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Small, Jejunum Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/45.50	0/47.32	0/45.02	0/47.18
POLY-3 PERCENT (g)	6.6%	0%	0%	0%
TERMINAL (d)	3/38 (8%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.048N*	P=0.112N	P=0.121N	P=0.112N
POLY 1.5	P=0.047N*	P=0.114N	P=0.122N	P=0.116N
POLY 6	P=0.048N*	P=0.110N	P=0.120N	P=0.108N
COCH-ARM / FISHERS	P=0.048N*	P=0.121N	P=0.125N	P=0.121N
MAX-ISO-POLY-3	P=0.009N**	P=0.038N*	P=0.039N*	P=0.038N*

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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First Dose M/F: 01/17/12 / 01/16/12
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	5/48 (10%)	10/50 (20%)	4/49 (8%)	4/50 (8%)
POLY-3 RATE (b)	5/43.61	10/48.57	4/45.43	4/47.18
POLY-3 PERCENT (g)	11.5%	20.6%	8.8%	8.5%
TERMINAL (d)	5/37 (14%)	7/41 (17%)	4/38 (11%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	518	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.182N	P=0.184	P=0.474N	P=0.451N
POLY 1.5	P=0.192N	P=0.171	P=0.480N	P=0.465N
POLY 6	P=0.171N	P=0.197	P=0.471N	P=0.437N
COCH-ARM / FISHERS	P=0.199N	P=0.150	P=0.487N	P=0.474N
MAX-ISO-POLY-3	P=0.222N	P=0.129	P=0.341N	P=0.323N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Bacteria				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Glomerulosclerosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Infarct				
LESION RATES				
OVERALL (a)	5/50 (10%)	2/50 (4%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	5/45.61	2/47.32	5/45.99	3/47.21
POLY-3 PERCENT (g)	11%	4.2%	10.9%	6.4%
TERMINAL (d)	4/38 (11%)	2/41 (5%)	5/38 (13%)	2/40 (5%)
FIRST INCIDENCE	702	729 (T)	729 (T)	721
STATISTICAL TESTS				
POLY 3	P=0.401N	P=0.202N	P=0.625N	P=0.338N
POLY 1.5	P=0.410N	P=0.207N	P=0.627N	P=0.349N
POLY 6	P=0.391N	P=0.198N	P=0.626N	P=0.326N
COCH-ARM / FISHERS	P=0.410N	P=0.218N	P=0.630N	P=0.357N
MAX-ISO-POLY-3	P=0.344N	P=0.113N	P=0.494N	P=0.220N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Metaplasia Osseous				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	0/47.32	1/45.99	1/47.18
POLY-3 PERCENT (g)	0%	0%	2.2%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	1/38 (3%)	1/40 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate Dihydrate
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Mineral				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.81	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	676	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.117N	P=0.230N	P=0.236N	P=0.231N
POLY 1.5	P=0.116N	P=0.232N	P=0.237N	P=0.235N
POLY 6	P=0.118N	P=0.229N	P=0.237N	P=0.227N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.076N	P=0.076N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Nephropathy Chronic Progressive				
LESION RATES				
OVERALL (a)	33/50 (66%)	26/50 (52%)	26/50 (52%)	27/50 (54%)
POLY-3 RATE (b)	33/46.47	26/48.48	26/46.89	27/47.59
POLY-3 PERCENT (g)	71%	53.6%	55.4%	56.7%
TERMINAL (d)	30/38 (79%)	23/41 (56%)	23/38 (61%)	25/40 (63%)
FIRST INCIDENCE	566	599	604	667
STATISTICAL TESTS				
POLY 3	P=0.168N	P=0.058N	P=0.083N	P=0.105N
POLY 1.5	P=0.189N	P=0.074N	P=0.094N	P=0.131N
POLY 6	P=0.147N	P=0.046N*	P=0.077N	P=0.083N
COCH-ARM / FISHERS	P=0.193N	P=0.111N	P=0.111N	P=0.154N
MAX-ISO-POLY-3	P=0.093N	P=0.039N*	P=0.054N	P=0.073N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Pigment				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	6/50 (12%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	0/47.32	6/45.99	1/47.18
POLY-3 PERCENT (g)	0%	0%	13.1%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	6/38 (16%)	1/40 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.247	(e)	P=0.016*	P=0.507
POLY 1.5	P=0.235	(e)	P=0.016*	P=0.503
POLY 6	P=0.260	(e)	P=0.016*	P=0.512
COCH-ARM / FISHERS	P=0.237	(e)	P=0.013*	P=0.500
MAX-ISO-POLY-3	P=0.042*	(e)	P=0.005**	P=0.168

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

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 Sodium Tungstate Dihydrate
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney Polyarteritis Nodosa				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	2/47.18
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	2/40 (5%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.046*	(e)	(e)	P=0.245
POLY 1.5	P=0.045*	(e)	(e)	P=0.241
POLY 6	P=0.047*	(e)	(e)	P=0.251
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.039*	(e)	(e)	P=0.084

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Pelvis Dilation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	1/47.33	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	727	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Pelvis Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	1/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/45.84	2/47.49	1/46.05	1/47.18
POLY-3 PERCENT (g)	4.4%	4.2%	2.2%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	669	688	713	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.334N	P=0.681N	P=0.498N	P=0.490N
POLY 1.5	P=0.337N	P=0.685N	P=0.499N	P=0.496N
POLY 6	P=0.330N	P=0.679N	P=0.500N	P=0.484N
COCH-ARM / FISHERS	P=0.337N	P=0.691N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.442N	P=0.485N	P=0.280N	P=0.275N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	2/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.393N	P=0.246	(e)	(e)
POLY 1.5	P=0.398N	P=0.243	(e)	(e)
POLY 6	P=0.388N	P=0.248	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.259N	P=0.085	(e)	(e)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Kidney: Renal Tubule Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	5/50 (10%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/46.31	5/48.43	1/45.99	3/47.63
POLY-3 PERCENT (g)	2.2%	10.3%	2.2%	6.3%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	1/38 (3%)	1/40 (3%)
FIRST INCIDENCE	421	518	729 (T)	668
STATISTICAL TESTS				
POLY 3	P=0.470	P=0.112	P=0.759	P=0.316
POLY 1.5	P=0.460	P=0.108	P=0.759	P=0.308
POLY 6	P=0.484	P=0.117	P=0.758	P=0.325
COCH-ARM / FISHERS	P=0.456	P=0.102	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.301	P=0.054	P=0.497	P=0.165

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

		Females			
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L	
Kidney: Renal Tubule Regeneration					
LESION RATES					
OVERALL (a)	0/50 (0%)	1/50 (2%)	7/50 (14%)	7/50 (14%)	
POLY-3 RATE (b)	0/45.50	1/47.48	7/46.39	7/47.18	
POLY-3 PERCENT (g)	0%	2.1%	15.1%	14.8%	
TERMINAL (d)	0/38 (0%)	0/41 (0%)	6/38 (16%)	7/40 (18%)	
FIRST INCIDENCE	---	688	613	729 (T)	
STATISTICAL TESTS					
POLY 3	P=0.002**	P=0.508	P=0.008**	P=0.009**	
POLY 1.5	P=0.002**	P=0.506	P=0.008**	P=0.008**	
POLY 6	P=0.002**	P=0.511	P=0.008**	P=0.009**	
COCH-ARM / FISHERS	P=0.002**	P=0.500	P=0.006**	P=0.006**	
MAX-ISO-POLY-3	P=0.003**	P=0.169	P=0.003**	P=0.003**	

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	2/47.32	4/45.99	1/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	8.7%	2.1%
TERMINAL (d)	1/38 (3%)	2/41 (5%)	4/38 (11%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.581N	P=0.514	P=0.182	P=0.752N
POLY 1.5	P=0.591N	P=0.509	P=0.181	P=0.757N
POLY 6	P=0.569N	P=0.517	P=0.182	P=0.747N
COCH-ARM / FISHERS	P=0.596	P=0.500	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.373	P=0.296	P=0.087	P=0.489N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Atypia Cellular				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate Dihydrate
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

		Females		
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	7/50 (14%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	2/46.79	7/47.32	5/46.34	2/47.18
POLY-3 PERCENT (g)	4.3%	14.8%	10.8%	4.2%
TERMINAL (d)	0/38 (0%)	7/41 (17%)	4/38 (11%)	2/40 (5%)
FIRST INCIDENCE	421	729 (T)	629	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.356N	P=0.082	P=0.212	P=0.691N
POLY 1.5	P=0.365N	P=0.081	P=0.213	P=0.693
POLY 6	P=0.347N	P=0.081	P=0.211	P=0.686N
COCH-ARM / FISHERS	P=0.362N	P=0.080	P=0.218	P=0.691N
MAX-ISO-POLY-3	P=0.258N	P=0.041*	P=0.118	P=0.496N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	1/47.32	1/45.99	1/47.18
POLY-3 PERCENT (g)	2.2%	2.1%	2.2%	2.1%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	1/38 (3%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

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

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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	8/50 (16%)	17/50 (34%)	16/50 (32%)	10/50 (20%)
POLY-3 RATE (b)	8/45.50	17/47.79	16/46.34	10/47.40
POLY-3 PERCENT (g)	17.6%	35.6%	34.5%	21.1%
TERMINAL (d)	8/38 (21%)	15/41 (37%)	15/38 (40%)	9/40 (23%)
FIRST INCIDENCE	729 (T)	627	629	670
STATISTICAL TESTS				
POLY 3	P=0.484N	P=0.040*	P=0.051	P=0.434
POLY 1.5	P=0.515N	P=0.036*	P=0.050*	P=0.413
POLY 6	P=0.448N	P=0.043*	P=0.052	P=0.459
COCH-ARM / FISHERS	P=0.533N	P=0.032*	P=0.050*	P=0.398
MAX-ISO-POLY-3	P=0.135	P=0.026*	P=0.031*	P=0.337

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	2/47.32	3/46.42	1/47.40
POLY-3 PERCENT (g)	2.2%	4.2%	6.5%	2.1%
TERMINAL (d)	1/38 (3%)	2/41 (5%)	2/38 (5%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	604	670
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.514	P=0.312	P=0.751N
POLY 1.5	P=0.571N	P=0.509	P=0.309	P=0.757N
POLY 6	P=0.548N	P=0.517	P=0.315	P=0.745N
COCH-ARM / FISHERS	P=0.577N	P=0.500	P=0.309	P=0.753N
MAX-ISO-POLY-3	P=0.471N	P=0.296	P=0.162	P=0.488N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Fatty Change Diffuse				
LESION RATES				
OVERALL (a)	6/50 (12%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	6/46.91	1/47.32	1/45.99	2/47.49
POLY-3 PERCENT (g)	12.8%	2.1%	2.2%	4.2%
TERMINAL (d)	3/38 (8%)	1/41 (2%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	421	729 (T)	729 (T)	670
STATISTICAL TESTS				
POLY 3	P=0.112N	P=0.055N	P=0.059N	P=0.129N
POLY 1.5	P=0.113N	P=0.055N	P=0.058N	P=0.134N
POLY 6	P=0.110N	P=0.055N	P=0.061N	P=0.124N
COCH-ARM / FISHERS	P=0.114N	P=0.056N	P=0.056N	P=0.134N
MAX-ISO-POLY-3	P=0.023N*	P=0.023N*	P=0.026N*	P=0.068N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Sodium Tungstate Dihydrate
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver Infiltration Cellular Mixed Cell				
LESION RATES				
OVERALL (a)	24/50 (48%)	22/50 (44%)	27/50 (54%)	23/50 (46%)
POLY-3 RATE (b)	24/47.41	22/47.32	27/47.23	23/47.18
POLY-3 PERCENT (g)	50.6%	46.5%	57.2%	48.8%
TERMINAL (d)	20/38 (53%)	22/41 (54%)	24/38 (63%)	23/40 (58%)
FIRST INCIDENCE	432	729 (T)	598	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.529	P=0.421N	P=0.332	P=0.509N
POLY 1.5	P=0.514	P=0.418N	P=0.332	P=0.520N
POLY 6	P=0.531N	P=0.432N	P=0.331	P=0.497N
COCH-ARM / FISHERS	P=0.538	P=0.421N	P=0.345	P=0.500N
MAX-ISO-POLY-3	P=0.529	P=0.342N	P=0.260	P=0.426N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Inflammation Focal				
LESION RATES				
OVERALL (a)	14/50 (28%)	24/50 (48%)	21/50 (42%)	23/50 (46%)
POLY-3 RATE (b)	14/45.50	24/47.32	21/45.99	23/47.21
POLY-3 PERCENT (g)	30.8%	50.7%	45.7%	48.7%
TERMINAL (d)	14/38 (37%)	24/41 (59%)	21/38 (55%)	22/40 (55%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	721
STATISTICAL TESTS				
POLY 3	P=0.110	P=0.037*	P=0.102	P=0.057
POLY 1.5	P=0.096	P=0.035*	P=0.102	P=0.050*
POLY 6	P=0.127	P=0.038*	P=0.099	P=0.067
COCH-ARM / FISHERS	P=0.095	P=0.032*	P=0.104	P=0.048*
MAX-ISO-POLY-3	P=0.064	P=0.025*	P=0.069	P=0.039*

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	3/47.32	2/46.39	2/47.21
POLY-3 PERCENT (g)	2.2%	6.3%	4.3%	4.2%
TERMINAL (d)	1/38 (3%)	3/41 (7%)	1/38 (3%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	613	722
STATISTICAL TESTS				
POLY 3	P=0.518	P=0.320	P=0.507	P=0.513
POLY 1.5	P=0.507	P=0.315	P=0.504	P=0.505
POLY 6	P=0.530	P=0.323	P=0.509	P=0.521
COCH-ARM / FISHERS	P=0.500	P=0.309	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.420	P=0.169	P=0.288	P=0.295

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver: Hepatocyte Fatty Change Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/45.51	2/47.32	1/45.99	0/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	2.2%	0%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	727	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.240N	P=0.514	P=0.758N	P=0.493N
POLY 1.5	P=0.245N	P=0.509	P=0.759N	P=0.497N
POLY 6	P=0.235N	P=0.517	P=0.758N	P=0.488N
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.237N	P=0.296	P=0.496N	P=0.159N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver: Hepatocyte Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	2/46.84	4/47.43	1/45.99	5/47.39
POLY-3 PERCENT (g)	4.3%	8.4%	2.2%	10.6%
TERMINAL (d)	0/38 (0%)	3/41 (7%)	1/38 (3%)	3/40 (8%)
FIRST INCIDENCE	432	703	729 (T)	683
STATISTICAL TESTS				
POLY 3	P=0.212	P=0.343	P=0.506N	P=0.221
POLY 1.5	P=0.208	P=0.342	P=0.504N	P=0.216
POLY 6	P=0.216	P=0.344	P=0.510N	P=0.228
COCH-ARM / FISHERS	P=0.210	P=0.339	P=0.500N	P=0.218
MAX-ISO-POLY-3	P=0.170	P=0.207	P=0.288N	P=0.125

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lung Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	1/47.21
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	721
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	4/45.50	5/47.32	3/45.99	4/47.64
POLY-3 PERCENT (g)	8.8%	10.6%	6.5%	8.4%
TERMINAL (d)	4/38 (11%)	5/41 (12%)	3/38 (8%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	667
STATISTICAL TESTS				
POLY 3	P=0.480N	P=0.524	P=0.494N	P=0.618N
POLY 1.5	P=0.493N	P=0.516	P=0.497N	P=0.632N
POLY 6	P=0.464N	P=0.531	P=0.494N	P=0.601N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.643N
MAX-ISO-POLY-3	P=0.561N	P=0.387	P=0.343N	P=0.473N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node Hemorrhage				
LESION RATES				
OVERALL (a)	2/9 (22%)	1/8 (13%)	2/8 (25%)	0/3 (0%)
POLY-3 RATE (b)	2/7.87	1/7.83	2/7.38	0/2.68
POLY-3 PERCENT (g)	25.4%	12.8%	27.1%	0%
TERMINAL (d)	2/4 (50%)	1/6 (17%)	2/4 (50%)	0/1 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.432N	P=0.502N	P=0.686	P=0.495N
POLY 1.5	P=0.432N	P=0.520N	P=0.674	P=0.496N
POLY 6	P=0.436N	P=0.473N	P=0.703	P=0.496N
COCH-ARM / FISHERS	P=0.431N	P=0.547N	P=0.665	P=0.545N
MAX-ISO-POLY-3	P=0.391N	P=0.277N	P=0.470	P=0.235N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	3/9 (33%)	0/8 (0%)	0/8 (0%)	0/3 (0%)
POLY-3 RATE (b)	3/8.54	0/7.83	0/7.38	0/2.68
POLY-3 PERCENT (g)	35.1%	0%	0%	0%
TERMINAL (d)	1/4 (25%)	0/6 (0%)	0/4 (0%)	0/1 (0%)
FIRST INCIDENCE	551	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.060N	P=0.104N	P=0.115N	P=0.371N
POLY 1.5	P=0.062N	P=0.108N	P=0.114N	P=0.363N
POLY 6	P=0.056N	P=0.096N	P=0.116N	P=0.388N
COCH-ARM / FISHERS	P=0.076N	P=0.124N	P=0.124N	P=0.382N
MAX-ISO-POLY-3	P=0.094N	P=0.028N*	P=0.036N*	P=0.191N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium Tungstate Dihydrate
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Atrophy				
LESION RATES				
OVERALL (a)	2/49 (4%)	0/49 (0%)	0/48 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.51	0/46.97	0/44.98	1/47.41
POLY-3 PERCENT (g)	4.4%	0%	0%	2.1%
TERMINAL (d)	0/37 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	421	---	---	668
STATISTICAL TESTS				
POLY 3	P=0.462N	P=0.230N	P=0.240N	P=0.486N
POLY 1.5	P=0.460N	P=0.233N	P=0.240N	P=0.492N
POLY 6	P=0.464N	P=0.229N	P=0.241N	P=0.479N
COCH-ARM / FISHERS	P=0.456N	P=0.247N	P=0.253N	P=0.492N
MAX-ISO-POLY-3	P=0.133N	P=0.076N	P=0.077N	P=0.272N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium Tungstate Dihydrate
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Hyperplasia				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/49 (2%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.50	1/46.97	0/44.98	0/47.18
POLY-3 PERCENT (g)	2.3%	2.1%	0%	0%
TERMINAL (d)	1/37 (3%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/49 (4%)	0/48 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.50	2/46.97	0/44.98	1/47.18
POLY-3 PERCENT (g)	0%	4.3%	0%	2.1%
TERMINAL (d)	0/37 (0%)	2/41 (5%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.560	P=0.249	(e)	P=0.512
POLY 1.5	P=0.552	P=0.245	(e)	P=0.507
POLY 6	P=0.569	P=0.253	(e)	P=0.516
COCH-ARM / FISHERS	P=0.544	P=0.247	(e)	P=0.505
MAX-ISO-POLY-3	P=0.348	P=0.088	(e)	P=0.172

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mandibular Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/49 (0%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.50	0/46.97	0/44.98	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/49 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.71	1/46.68	0/45.34	0/47.18
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/38 (0%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Atrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/49 (2%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/45.51	1/46.68	1/46.31	0/47.18
POLY-3 PERCENT (g)	2.2%	2.1%	2.2%	0%
TERMINAL (d)	0/38 (0%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	421	729 (T)	245	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	3/49 (6%)	2/49 (4%)	1/49 (2%)	3/50 (6%)
POLY-3 RATE (b)	3/44.71	2/46.68	1/45.34	3/47.18
POLY-3 PERCENT (g)	6.7%	4.3%	2.2%	6.4%
TERMINAL (d)	3/38 (8%)	2/41 (5%)	1/38 (3%)	3/40 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.583	P=0.480N	P=0.300N	P=0.637N
POLY 1.5	P=0.578	P=0.487N	P=0.303N	P=0.646N
POLY 6	P=0.588	P=0.475N	P=0.299N	P=0.628N
COCH-ARM / FISHERS	P=0.578	P=0.500N	P=0.309N	P=0.651N
MAX-ISO-POLY-3	P=0.484N	P=0.310N	P=0.152N	P=0.472N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.72	0/46.68	0/45.34	0/47.18
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	727	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Hyperplasia				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/49 (2%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.71	1/46.68	0/45.34	1/47.18
POLY-3 PERCENT (g)	2.2%	2.1%	0%	2.1%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	0/49 (0%)	7/49 (14%)	3/49 (6%)	4/50 (8%)
POLY-3 RATE (b)	0/44.71	7/46.68	3/45.34	4/47.18
POLY-3 PERCENT (g)	0%	15%	6.6%	8.5%
TERMINAL (d)	0/38 (0%)	7/41 (17%)	3/38 (8%)	4/40 (10%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.286	P=0.009**	P=0.121	P=0.067
POLY 1.5	P=0.273	P=0.008**	P=0.120	P=0.065
POLY 6	P=0.299	P=0.009**	P=0.121	P=0.070
COCH-ARM / FISHERS	P=0.266	P=0.006**	P=0.121	P=0.061
MAX-ISO-POLY-3	P=0.057	P=0.003**	P=0.040*	P=0.025*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.71	0/46.68	0/45.34	0/47.18
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lymph Node, Mesenteric: Lymphatic Sinus Ectasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/49 (4%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.71	2/46.68	0/45.34	1/47.18
POLY-3 PERCENT (g)	0%	4.3%	0%	2.1%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.558	P=0.247	(e)	P=0.511
POLY 1.5	P=0.551	P=0.244	(e)	P=0.507
POLY 6	P=0.566	P=0.250	(e)	P=0.515
COCH-ARM / FISHERS	P=0.544	P=0.247	(e)	P=0.505
MAX-ISO-POLY-3	P=0.345	P=0.085	(e)	P=0.171

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/49 (4%)	3/50 (6%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	2/44.93	3/47.79	0/45.99	1/47.21
POLY-3 PERCENT (g)	4.5%	6.3%	0%	2.1%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	676	627	---	667
STATISTICAL TESTS				
POLY 3	P=0.234N	P=0.528	P=0.232N	P=0.483N
POLY 1.5	P=0.239N	P=0.522	P=0.232N	P=0.492N
POLY 6	P=0.231N	P=0.532	P=0.233N	P=0.475N
COCH-ARM / FISHERS	P=0.242N	P=0.510	P=0.242N	P=0.500N
MAX-ISO-POLY-3	P=0.203N	P=0.352	P=0.075N	P=0.271N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Mesentery Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/10 (0%)	0/12 (0%)	0/13 (0%)	0/7 (0%)
POLY-3 RATE (b)	0/8.31	0/11.74	0/12.38	0/6.99
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/5 (0%)	0/10 (0%)	0/9 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	8/10 (80%)	9/12 (75%)	10/13 (77%)	4/7 (57%)
POLY-3 RATE (b)	8/9.35	9/11.84	10/12.44	4/6.99
POLY-3 PERCENT (g)	85.6%	76%	80.4%	57.2%
TERMINAL (d)	5/5 (100%)	8/10 (80%)	9/9 (100%)	4/6 (67%)
FIRST INCIDENCE	421	703	713	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.170N	P=0.500N	P=0.604N	P=0.230N
POLY 1.5	P=0.199N	P=0.539N	P=0.612N	P=0.269N
POLY 6	P=0.133N	P=0.450N	P=0.604N	P=0.183N
COCH-ARM / FISHERS	P=0.234N	P=0.594N	P=0.633N	P=0.314N
MAX-ISO-POLY-3	P=0.158N	P=0.303N	P=0.378N	P=0.105N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

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

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 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose				
Foreign Body				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose Inflammation Acute				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	0/47.32	2/45.99	1/47.18
POLY-3 PERCENT (g)	0%	0%	4.4%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	2/38 (5%)	1/40 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.255	(e)	P=0.240	P=0.507
POLY 1.5	P=0.248	(e)	P=0.238	P=0.503
POLY 6	P=0.263	(e)	P=0.240	P=0.512
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.181	(e)	P=0.078	P=0.168

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Olfactory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	15/50 (30%)	18/50 (36%)	15/50 (30%)	13/50 (26%)
POLY-3 RATE (b)	15/45.83	18/47.79	15/47.09	13/47.39
POLY-3 PERCENT (g)	32.7%	37.7%	31.9%	27.4%
TERMINAL (d)	13/38 (34%)	16/41 (39%)	11/38 (29%)	11/40 (28%)
FIRST INCIDENCE	676	627	598	683
STATISTICAL TESTS				
POLY 3	P=0.244N	P=0.389	P=0.552N	P=0.371N
POLY 1.5	P=0.266N	P=0.370	P=0.568N	P=0.395N
POLY 6	P=0.222N	P=0.402	P=0.538N	P=0.346N
COCH-ARM / FISHERS	P=0.275N	P=0.335	P=0.586N	P=0.412N
MAX-ISO-POLY-3	P=0.348N	P=0.312	P=0.464N	P=0.293N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

Females				
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	2/47.32	0/45.99	1/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	0%	2.1%
TERMINAL (d)	1/38 (3%)	2/41 (5%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.494N	P=0.514	P=0.498N	P=0.752N
POLY 1.5	P=0.497N	P=0.509	P=0.499N	P=0.757N
POLY 6	P=0.490N	P=0.517	P=0.498N	P=0.747N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.392N	P=0.296	P=0.159N	P=0.489N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.50	1/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	4.4%	2.1%	0%	0%
TERMINAL (d)	2/38 (5%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.486N	P=0.235N	P=0.229N
POLY 1.5	P=0.101N	P=0.491N	P=0.236N	P=0.234N
POLY 6	P=0.101N	P=0.483N	P=0.235N	P=0.224N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.078N	P=0.273N	P=0.076N	P=0.076N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Ovary Angiectasis				
LESION RATES				
OVERALL (a)	2/49 (4%)	0/49 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.31	0/46.32	0/45.99	1/47.21
POLY-3 PERCENT (g)	4.4%	0%	0%	2.1%
TERMINAL (d)	1/37 (3%)	0/40 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	421	---	---	721
STATISTICAL TESTS				
POLY 3	P=0.460N	P=0.232N	P=0.234N	P=0.486N
POLY 1.5	P=0.458N	P=0.234N	P=0.234N	P=0.492N
POLY 6	P=0.461N	P=0.231N	P=0.234N	P=0.479N
COCH-ARM / FISHERS	P=0.455N	P=0.247N	P=0.242N	P=0.492N
MAX-ISO-POLY-3	P=0.131N	P=0.076N	P=0.075N	P=0.272N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Ovary Atrophy				
LESION RATES				
OVERALL (a)	2/49 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.50	0/46.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	2/37 (5%)	0/40 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.115N	P=0.228N	P=0.230N	P=0.224N
POLY 1.5	P=0.114N	P=0.231N	P=0.231N	P=0.229N
POLY 6	P=0.117N	P=0.226N	P=0.229N	P=0.219N
COCH-ARM / FISHERS	P=0.113N	P=0.247N	P=0.242N	P=0.242N
MAX-ISO-POLY-3	P=0.032N*	P=0.076N	P=0.075N	P=0.075N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Ovary Cyst				
LESION RATES				
OVERALL (a)	8/49 (16%)	4/49 (8%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	8/45.04	4/46.32	5/46.06	3/47.21
POLY-3 PERCENT (g)	17.8%	8.6%	10.9%	6.4%
TERMINAL (d)	7/37 (19%)	4/40 (10%)	4/38 (11%)	2/40 (5%)
FIRST INCIDENCE	566	729 (T)	711	722
STATISTICAL TESTS				
POLY 3	P=0.090N	P=0.163N	P=0.261N	P=0.084N
POLY 1.5	P=0.094N	P=0.168N	P=0.262N	P=0.090N
POLY 6	P=0.085N	P=0.160N	P=0.262N	P=0.079N
COCH-ARM / FISHERS	P=0.094N	P=0.178N	P=0.264N	P=0.094N
MAX-ISO-POLY-3	P=0.065N	P=0.101N	P=0.175N	P=0.047N*

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Ovary: Follicle Cyst				
LESION RATES				
OVERALL (a)	4/49 (8%)	7/49 (14%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	4/44.50	7/47.55	4/45.99	4/47.36
POLY-3 PERCENT (g)	9%	14.7%	8.7%	8.5%
TERMINAL (d)	4/37 (11%)	3/40 (8%)	4/38 (11%)	3/40 (8%)
FIRST INCIDENCE	729 (T)	599	729 (T)	683
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.300	P=0.625N	P=0.609N
POLY 1.5	P=0.397N	P=0.285	P=0.628N	P=0.622N
POLY 6	P=0.370N	P=0.318	P=0.624N	P=0.593N
COCH-ARM / FISHERS	P=0.404N	P=0.262	P=0.631N	P=0.631N
MAX-ISO-POLY-3	P=0.475N	P=0.208	P=0.480N	P=0.464N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Ovary: Paraovarian Tissue Cyst				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.50	0/46.32	0/45.99	2/47.41
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/37 (0%)	0/40 (0%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	---	---	---	667
STATISTICAL TESTS				
POLY 3	P=0.048*	(e)	(e)	P=0.252
POLY 1.5	P=0.047*	(e)	(e)	P=0.246
POLY 6	P=0.049*	(e)	(e)	P=0.258
COCH-ARM / FISHERS	P=0.048*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.043*	(e)	(e)	P=0.089

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	1/47.32	0/45.99	1/47.18
POLY-3 PERCENT (g)	2.2%	2.1%	0%	2.1%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pancreas: Duct Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	0/47.32	2/45.99	2/47.18
POLY-3 PERCENT (g)	2.2%	0%	4.4%	4.2%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	2/38 (5%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.252	P=0.492N	P=0.504	P=0.513
POLY 1.5	P=0.247	P=0.495N	P=0.502	P=0.505
POLY 6	P=0.258	P=0.490N	P=0.504	P=0.520
COCH-ARM / FISHERS	P=0.245	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.282	P=0.159N	P=0.285	P=0.294

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Parathyroid Gland Cyst				
LESION RATES				
OVERALL (a)	0/45 (0%)	2/40 (5%)	3/42 (7%)	0/43 (0%)
POLY-3 RATE (b)	0/40.71	2/38.14	3/38.14	0/40.44
POLY-3 PERCENT (g)	0%	5.2%	7.9%	0%
TERMINAL (d)	0/34 (0%)	2/34 (6%)	3/32 (9%)	0/35 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.515N	P=0.222	P=0.106	(e)
POLY 1.5	P=0.528N	P=0.218	P=0.106	(e)
POLY 6	P=0.501N	P=0.225	P=0.105	(e)
COCH-ARM / FISHERS	P=0.536N	P=0.218	P=0.108	(e)
MAX-ISO-POLY-3	P=0.219	P=0.069	P=0.035*	(e)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pituitary Gland Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/47 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.50	2/47.32	0/44.38	0/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	0%	0%
TERMINAL (d)	1/38 (3%)	2/41 (5%)	0/37 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.185N	P=0.514	P=0.505N	P=0.493N
POLY 1.5	P=0.188N	P=0.509	P=0.507N	P=0.497N
POLY 6	P=0.182N	P=0.517	P=0.504N	P=0.488N
COCH-ARM / FISHERS	P=0.191N	P=0.500	P=0.515N	P=0.500N
MAX-ISO-POLY-3	P=0.183N	P=0.296	P=0.162N	P=0.159N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Pituitary Gland Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/47 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/45.50	1/47.32	1/44.38	0/47.18
POLY-3 PERCENT (g)	2.2%	2.1%	2.3%	0%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	1/37 (3%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

		Females			
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L	
Pituitary Gland: Pars Distalis Hyperplasia					
LESION RATES					
OVERALL (a)	21/50 (42%)	23/50 (46%)	16/47 (34%)	18/50 (36%)	
POLY-3 RATE (b)	21/45.50	23/47.68	16/44.88	18/47.21	
POLY-3 PERCENT (g)	46.2%	48.2%	35.7%	38.1%	
TERMINAL (d)	21/38 (55%)	21/41 (51%)	14/37 (38%)	17/40 (43%)	
FIRST INCIDENCE	729 (T)	661	604	722	
STATISTICAL TESTS					
POLY 3	P=0.173N	P=0.502	P=0.210N	P=0.283N	
POLY 1.5	P=0.196N	P=0.472	P=0.232N	P=0.316N	
POLY 6	P=0.149N	P=0.532	P=0.191N	P=0.248N	
COCH-ARM / FISHERS	P=0.211N	P=0.420	P=0.275N	P=0.341N	
MAX-ISO-POLY-3	P=0.262N	P=0.419	P=0.155N	P=0.221N	

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	1/47.32	0/45.99	1/47.21
POLY-3 PERCENT (g)	0%	2.1%	0%	2.1%
TERMINAL (d)	0/38 (0%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	---	722
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin: Subcutaneous Tissue Edema				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Extramedullary Hematopoiesis				
LESION RATES				
OVERALL (a)	5/50 (10%)	18/48 (38%)	13/49 (27%)	8/50 (16%)
POLY-3 RATE (b)	5/46.74	18/46.64	13/47.02	8/47.58
POLY-3 PERCENT (g)	10.7%	38.6%	27.7%	16.8%
TERMINAL (d)	1/38 (3%)	15/41 (37%)	8/38 (21%)	6/40 (15%)
FIRST INCIDENCE	551	634	598	670
STATISTICAL TESTS				
POLY 3	P=0.463N	P<0.001**	P=0.032*	P=0.288
POLY 1.5	P=0.483N	P<0.001**	P=0.030*	P=0.279
POLY 6	P=0.442N	P<0.001**	P=0.034*	P=0.297
COCH-ARM / FISHERS	P=0.487N	P<0.001**	P=0.030*	P=0.277
MAX-ISO-POLY-3	P=0.038*	P<0.001**	P=0.018*	P=0.198

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Hyperplasia Lymphocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/48 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.50	0/46.13	0/45.43	0/47.18
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	2/38 (5%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.119N	P=0.234N	P=0.237N	P=0.229N
POLY 1.5	P=0.117N	P=0.239N	P=0.240N	P=0.234N
POLY 6	P=0.121N	P=0.230N	P=0.236N	P=0.224N
COCH-ARM / FISHERS	P=0.115N	P=0.258N	P=0.253N	P=0.247N
MAX-ISO-POLY-3	P=0.034N*	P=0.078N	P=0.077N	P=0.076N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/48 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.50	0/46.13	0/45.43	2/47.18
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	2/40 (5%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.047*	(e)	(e)	P=0.245
POLY 1.5	P=0.047*	(e)	(e)	P=0.241
POLY 6	P=0.048*	(e)	(e)	P=0.251
COCH-ARM / FISHERS	P=0.048*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.040*	(e)	(e)	P=0.084

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen Pigment				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/48 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.71	0/46.13	0/45.43	0/47.18
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	676	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen: Red Pulp Atrophy				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/48 (0%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/46.51	0/46.13	3/46.83	1/47.21
POLY-3 PERCENT (g)	4.3%	0%	6.4%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	421	---	245	721
STATISTICAL TESTS				
POLY 3	P=0.553N	P=0.239N	P=0.503	P=0.495N
POLY 1.5	P=0.555N	P=0.242N	P=0.499	P=0.500N
POLY 6	P=0.549N	P=0.236N	P=0.506	P=0.489N
COCH-ARM / FISHERS	P=0.551N	P=0.258N	P=0.490	P=0.500N
MAX-ISO-POLY-3	P=0.446N	P=0.078N	P=0.328	P=0.278N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen: White Pulp Atrophy				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/48 (4%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	3/46.99	2/47.13	3/46.83	1/47.41
POLY-3 PERCENT (g)	6.4%	4.2%	6.4%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	421	518	245	667
STATISTICAL TESTS				
POLY 3	P=0.264N	P=0.499N	P=0.660	P=0.302N
POLY 1.5	P=0.266N	P=0.506N	P=0.658	P=0.306N
POLY 6	P=0.261N	P=0.491N	P=0.661	P=0.298N
COCH-ARM / FISHERS	P=0.260N	P=0.520N	P=0.651	P=0.309N
MAX-ISO-POLY-3	P=0.273N	P=0.325N	P=0.497	P=0.153N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
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Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

		Females			
DOSE	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L	
Spleen: White Pulp Hyperplasia					
LESION RATES					
OVERALL (a)	7/50 (14%)	6/48 (13%)	5/49 (10%)	6/50 (12%)	
POLY-3 RATE (b)	7/45.50	6/46.13	5/45.43	6/47.18	
POLY-3 PERCENT (g)	15.4%	13%	11%	12.7%	
TERMINAL (d)	7/38 (18%)	6/41 (15%)	5/38 (13%)	6/40 (15%)	
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)	
STATISTICAL TESTS					
POLY 3	P=0.421N	P=0.490N	P=0.380N	P=0.472N	
POLY 1.5	P=0.431N	P=0.505N	P=0.387N	P=0.489N	
POLY 6	P=0.410N	P=0.474N	P=0.375N	P=0.455N	
COCH-ARM / FISHERS	P=0.433N	P=0.532N	P=0.394N	P=0.500N	
MAX-ISO-POLY-3	P=0.499N	P=0.374N	P=0.271N	P=0.358N	

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Forestomach Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	2/47.32	1/45.99	0/47.18
POLY-3 PERCENT (g)	0%	4.2%	2.2%	0%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.446N	P=0.246	P=0.502	(e)
POLY 1.5	P=0.454N	P=0.243	P=0.501	(e)
POLY 6	P=0.438N	P=0.248	P=0.502	(e)
COCH-ARM / FISHERS	P=0.461N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.338N	P=0.085	P=0.161	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	1/47.27
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	706
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

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

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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/46.30	2/47.32	1/46.06	2/47.36
POLY-3 PERCENT (g)	2.2%	4.2%	2.2%	4.2%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	432	729 (T)	711	683
STATISTICAL TESTS				
POLY 3	P=0.452	P=0.508	P=0.759	P=0.508
POLY 1.5	P=0.445	P=0.505	P=0.759	P=0.502
POLY 6	P=0.460	P=0.510	P=0.759	P=0.515
COCH-ARM / FISHERS	P=0.444	P=0.500	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.464	P=0.289	P=0.498	P=0.290

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 CAS Number: 10213-10-2

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 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Glandular Cyst				
LESION RATES				
OVERALL (a)	2/50 (4%)	6/50 (12%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	2/45.50	6/47.32	6/46.05	3/47.18
POLY-3 PERCENT (g)	4.4%	12.7%	13%	6.4%
TERMINAL (d)	2/38 (5%)	6/41 (15%)	5/38 (13%)	3/40 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	713	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.560N	P=0.146	P=0.137	P=0.516
POLY 1.5	P=0.561	P=0.142	P=0.135	P=0.507
POLY 6	P=0.543N	P=0.149	P=0.137	P=0.527
COCH-ARM / FISHERS	P=0.551	P=0.134	P=0.134	P=0.500
MAX-ISO-POLY-3	P=0.245	P=0.081	P=0.072	P=0.341

Experiment Number: 03038 - 04
Test Type: CHRONIC
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 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Stomach, Glandular Mineral				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
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 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Testis: Germinal Epithelium Degeneration				
LESION RATES				
OVERALL (a)	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
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thymus Atrophy				
LESION RATES				
OVERALL (a)	3/49 (6%)	3/48 (6%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	3/46.22	3/46.13	4/47.68	5/47.93
POLY-3 PERCENT (g)	6.5%	6.5%	8.4%	10.4%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	421	599	245	667
STATISTICAL TESTS				
POLY 3	P=0.270	P=0.661	P=0.517	P=0.377
POLY 1.5	P=0.263	P=0.658	P=0.516	P=0.369
POLY 6	P=0.279	P=0.662N	P=0.515	P=0.387
COCH-ARM / FISHERS	P=0.263	P=0.651	P=0.511	P=0.369
MAX-ISO-POLY-3	P=0.396	P=0.498	P=0.364	P=0.251

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

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

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 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thymus Hyperplasia Atypical Lymphocyte				
LESION RATES				
OVERALL (a)	2/49 (4%)	2/48 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/44.98	2/45.32	0/45.99	2/47.18
POLY-3 PERCENT (g)	4.5%	4.4%	0%	4.2%
TERMINAL (d)	2/38 (5%)	2/39 (5%)	0/38 (0%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.542N	P=0.691N	P=0.232N	P=0.677N
POLY 1.5	P=0.544N	P=0.693	P=0.233N	P=0.683N
POLY 6	P=0.539N	P=0.690N	P=0.233N	P=0.670N
COCH-ARM / FISHERS	P=0.545N	P=0.684	P=0.242N	P=0.684N
MAX-ISO-POLY-3	P=0.438N	P=0.496N	P=0.075N	P=0.480N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thyroid Gland: Follicle Cyst				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.50	0/47.32	0/45.02	0/47.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Sodium Tungstate Dihydrate
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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Thyroid Gland: Follicle Degeneration				
LESION RATES				
OVERALL (a)	19/49 (39%)	17/50 (34%)	19/49 (39%)	16/50 (32%)
POLY-3 RATE (b)	19/45.64	17/47.33	19/46.03	16/47.19
POLY-3 PERCENT (g)	41.6%	35.9%	41.3%	33.9%
TERMINAL (d)	15/37 (41%)	16/41 (39%)	15/38 (40%)	15/40 (38%)
FIRST INCIDENCE	432	727	602	727
STATISTICAL TESTS				
POLY 3	P=0.301N	P=0.362N	P=0.571N	P=0.290N
POLY 1.5	P=0.320N	P=0.370N	P=0.579N	P=0.308N
POLY 6	P=0.280N	P=0.361N	P=0.563N	P=0.272N
COCH-ARM / FISHERS	P=0.316N	P=0.388N	P=0.582N	P=0.310N
MAX-ISO-POLY-3	P=0.363N	P=0.288N	P=0.486N	P=0.224N

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth Dental Dysplasia				
LESION RATES				
OVERALL (a)	2/2 (100%)	5/5 (100%)	2/2 (100%)	1/1 (100%)
POLY-3 RATE (b)	2/2.00	5/5.00	2/2.00	1/1.00
POLY-3 PERCENT (g)	100%	100%	100%	100%
TERMINAL (d)	2/2 (100%)	4/4 (100%)	2/2 (100%)	1/1 (100%)
FIRST INCIDENCE	729 (T)	703	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth Inflammation				
LESION RATES				
OVERALL (a)	0/2 (0%)	0/5 (0%)	0/2 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/2.00	0/4.90	0/2.00	0/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/4 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/2 (0%)	0/5 (0%)	0/2 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/2.00	0/4.90	0/2.00	0/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/4 (0%)	0/2 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Uterus				
Angiectasis				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/45.50	1/47.32	1/45.99	2/47.18
POLY-3 PERCENT (g)	6.6%	2.1%	2.2%	4.2%
TERMINAL (d)	3/38 (8%)	1/41 (2%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.473N	P=0.291N	P=0.301N	P=0.484N
POLY 1.5	P=0.476N	P=0.296N	P=0.304N	P=0.493N
POLY 6	P=0.470N	P=0.288N	P=0.301N	P=0.473N
COCH-ARM / FISHERS	P=0.474N	P=0.309N	P=0.309N	P=0.500N
MAX-ISO-POLY-3	P=0.287N	P=0.149N	P=0.153N	P=0.313N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Uterus Infiltration Cellular Neutrophil				
LESION RATES				
OVERALL (a)	6/50 (12%)	3/50 (6%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	6/45.50	3/47.32	5/46.39	4/47.18
POLY-3 PERCENT (g)	13.2%	6.3%	10.8%	8.5%
TERMINAL (d)	6/38 (16%)	3/41 (7%)	4/38 (11%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	613	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.390N	P=0.223N	P=0.486N	P=0.347N
POLY 1.5	P=0.400N	P=0.230N	P=0.493N	P=0.361N
POLY 6	P=0.379N	P=0.218N	P=0.482N	P=0.333N
COCH-ARM / FISHERS	P=0.401N	P=0.243N	P=0.500N	P=0.370N
MAX-ISO-POLY-3	P=0.368N	P=0.137N	P=0.362N	P=0.239N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 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: 06/26/2019
 Time Report Requested: 10:11:56
 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Uterus Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/45.50	2/47.32	1/45.99	1/47.97
POLY-3 PERCENT (g)	0%	4.2%	2.2%	2.1%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	430
STATISTICAL TESTS				
POLY 3	P=0.524	P=0.246	P=0.502	P=0.511
POLY 1.5	P=0.512	P=0.243	P=0.501	P=0.505
POLY 6	P=0.537	P=0.248	P=0.502	P=0.516
COCH-ARM / FISHERS	P=0.500	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.290	P=0.085	P=0.161	P=0.172

Experiment Number: 03038 - 04
Test Type: CHRONIC
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: 06/26/2019
Time Report Requested: 10:11:56
First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Uterus Inflammation Acute				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/45.50	2/47.32	0/45.99	2/47.18
POLY-3 PERCENT (g)	4.4%	4.2%	0%	4.2%
TERMINAL (d)	2/38 (5%)	2/41 (5%)	0/38 (0%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.552N	P=0.680N	P=0.235N	P=0.681N
POLY 1.5	P=0.555N	P=0.684N	P=0.236N	P=0.688N
POLY 6	P=0.549N	P=0.676N	P=0.235N	P=0.673N
COCH-ARM / FISHERS	P=0.556N	P=0.691N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.442N	P=0.484N	P=0.076N	P=0.485N

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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Date Report Requested: 06/26/2019
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Uterus Polyarteritis Nodosa				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	0/47.32	0/45.99	2/47.18
POLY-3 PERCENT (g)	2.2%	0%	0%	4.2%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	0/38 (0%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.245	P=0.492N	P=0.498N	P=0.513
POLY 1.5	P=0.244	P=0.495N	P=0.499N	P=0.505
POLY 6	P=0.247	P=0.490N	P=0.498N	P=0.520
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.148	P=0.159N	P=0.159N	P=0.294

Experiment Number: 03038 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 First Dose M/F: 01/17/12 / 01/16/12
 Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N) TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	41/50 (82%)	36/50 (72%)	37/50 (74%)	42/50 (84%)
POLY-3 RATE (b)	41/47.81	36/48.39	37/47.34	42/48.59
POLY-3 PERCENT (g)	85.8%	74.4%	78.2%	86.4%
TERMINAL (d)	35/38 (92%)	32/41 (78%)	33/38 (87%)	35/40 (88%)
FIRST INCIDENCE	432	627	598	430
STATISTICAL TESTS				
POLY 3	P=0.344	P=0.118N	P=0.233N	P=0.581
POLY 1.5	P=0.306	P=0.135N	P=0.239N	P=0.515
POLY 6	P=0.389	P=0.105N	P=0.234N	P=0.600N
COCH-ARM / FISHERS	P=0.322	P=0.171N	P=0.235N	P=0.500
MAX-ISO-POLY-3	P=0.293	P=0.075N	P=0.158N	P=0.459

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Vagina Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	2/47.43	0/45.99	0/47.18
POLY-3 PERCENT (g)	0%	4.2%	0%	0%
TERMINAL (d)	0/38 (0%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	703	---	---
STATISTICAL TESTS				
POLY 3	P=0.393N	P=0.247	(e)	(e)
POLY 1.5	P=0.398N	P=0.243	(e)	(e)
POLY 6	P=0.387N	P=0.249	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.260N	P=0.085	(e)	(e)

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

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

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First Dose M/F: 01/17/12 / 01/16/12
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1/N)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Vagina Inflammation Acute				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/45.50	0/47.32	2/45.99	0/47.18
POLY-3 PERCENT (g)	2.2%	0%	4.4%	0%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	2/38 (5%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.456N	P=0.492N	P=0.504	P=0.493N
POLY 1.5	P=0.461N	P=0.495N	P=0.502	P=0.497N
POLY 6	P=0.451N	P=0.490N	P=0.504	P=0.488N
COCH-ARM / FISHERS	P=0.461N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.332N	P=0.159N	P=0.285	P=0.159N

Experiment Number: 03038 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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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 ***