

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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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HISTORICAL CONTROL STUDIES
From April 2019 report

SAME ROUTE

ALL ROUTES

10260-02 -- 2-Hydroxy-4-methoxybenzophenone (ORAL FEED)

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex
Adrenal Medulla
Bone Marrow
Islets, Pancreatic
Kidney
Liver
Lung
Ovary
Pituitary Gland
Spleen
Thyroid Gland

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.18	2/42.81	1/46.59	1/43.56
POLY-3 PERCENT (g)	2.4%	4.7%	2.2%	2.3%
TERMINAL (d)	1/26 (4%)	2/31 (7%)	1/35 (3%)	1/35 (3%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/48 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.516N	P=0.505	P=0.738N	P=0.754N
POLY 1.5	P=0.524N	P=0.501	P=0.748N	P=0.758N
POLY 6	P=0.500N	P=0.515	P=0.723N	P=0.742N
COCH-ARM / FISHERS	P=0.531N	P=0.500	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.571N	P=0.286	P=0.472N	P=0.490N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.545	P=0.494	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.828			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.59	2/42.81	0/44.71	0/43.56
POLY-3 PERCENT (g)	0%	4.7%	0%	0%
TERMINAL (d)	0/26 (0%)	2/31 (7%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/48 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.391N	P=0.243	(e)	(e)
POLY 1.5	P=0.398N	P=0.242	(e)	(e)
POLY 6	P=0.379N	P=0.249	(e)	(e)
COCH-ARM / FISHERS	P=0.403N	P=0.253	(e)	(e)
MAX-ISO-POLY-3	P=0.256N	P=0.081	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=1.000	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.354			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Adrenal Medulla				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/48 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.59	2/42.81	0/44.71	1/43.68
POLY-3 PERCENT (g)	0%	4.7%	0%	2.3%
TERMINAL (d)	0/26 (0%)	2/31 (7%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	730 (T)	---	701
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/48 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.555	P=0.243	(e)	P=0.510
POLY 1.5	P=0.546	P=0.242	(e)	P=0.506
POLY 6	P=0.574	P=0.249	(e)	P=0.520
COCH-ARM / FISHERS	P=0.542	P=0.253	(e)	P=0.505
MAX-ISO-POLY-3	P=0.349	P=0.081	(e)	P=0.169
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=1.000	(e)	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.354			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Bone Marrow Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.44	2/43.60	1/46.59	0/43.56
POLY-3 PERCENT (g)	4.7%	4.6%	2.2%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	680	571	730 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/47 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.120N	P=0.685N	P=0.468N	P=0.231N
POLY 1.5	P=0.124N	P=0.690N	P=0.482N	P=0.236N
POLY 6	P=0.114N	P=0.672N	P=0.448N	P=0.221N
COCH-ARM / FISHERS	P=0.125N	P=0.691N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.159N	P=0.488N	P=0.263N	P=0.076N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.381	P=0.310	P=1.000	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.121			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	2/42.18	1/42.81	1/46.59	6/43.68
POLY-3 PERCENT (g)	4.7%	2.3%	2.2%	13.7%
TERMINAL (d)	2/26 (8%)	1/31 (3%)	1/35 (3%)	5/35 (14%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	701
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	6/49 (12%)			
STATISTICAL TESTS				
POLY 3	P=0.032*	P=0.495N	P=0.465N	P=0.143
POLY 1.5	P=0.031*	P=0.499N	P=0.481N	P=0.136
POLY 6	P=0.035*	P=0.485N	P=0.444N	P=0.161
COCH-ARM / FISHERS	P=0.031*	P=0.500N	P=0.500N	P=0.134
MAX-ISO-POLY-3	P=0.027*	P=0.277N	P=0.262N	P=0.078
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.332	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.155			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	4/50 (8%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.18	4/42.81	2/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	9.3%	4.3%	0%
TERMINAL (d)	1/26 (4%)	4/31 (13%)	2/35 (6%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/49 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.183N	P=0.182	P=0.535	P=0.494N
POLY 1.5	P=0.192N	P=0.180	P=0.519	P=0.498N
POLY 6	P=0.164N	P=0.191	P=0.556	P=0.483N
COCH-ARM / FISHERS	P=0.199N	P=0.181	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.137N	P=0.087	P=0.318	P=0.158N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.545	P=0.251	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.777			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	5/50 (10%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	3/42.18	5/42.81	3/46.59	6/43.68
POLY-3 PERCENT (g)	7.1%	11.7%	6.4%	13.7%
TERMINAL (d)	3/26 (12%)	5/31 (16%)	3/35 (9%)	5/35 (14%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	701
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	7/49 (14%)			
STATISTICAL TESTS				
POLY 3	P=0.254	P=0.364	P=0.616N	P=0.258
POLY 1.5	P=0.242	P=0.358	P=0.636N	P=0.247
POLY 6	P=0.280	P=0.379	P=0.586N	P=0.286
COCH-ARM / FISHERS	P=0.233	P=0.357	P=0.661N	P=0.243
MAX-ISO-POLY-3	P=0.253	P=0.238	P=0.451N	P=0.163
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.215			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Small: Jejunum Carcinoma				
TUMOR 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)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.384	(e)	P=0.315	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Intestine Small: Site Unspecified Carcinoma				
TUMOR 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)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.384	(e)	P=0.315	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	1/47 (2%)	0/50 (0%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/39.83	0/42.81	3/46.42	1/43.56
POLY-3 PERCENT (g)	2.5%	0%	6.5%	2.3%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	1/35 (3%)	1/35 (3%)
FIRST INCIDENCE	730 (T)	---	615	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/47 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.496	P=0.486N	P=0.362	P=0.741N
POLY 1.5	P=0.487	P=0.487N	P=0.344	P=0.745N
POLY 6	P=0.515	P=0.481N	P=0.388	P=0.731N
COCH-ARM / FISHERS	P=0.485	P=0.485N	P=0.324	P=0.737N
MAX-ISO-POLY-3	P=0.322	P=0.154N	P=0.209	P=0.474N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.328	P=1.000	P=0.328	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.744			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	1/47 (2%)	0/50 (0%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/39.83	0/42.81	3/46.42	1/43.56
POLY-3 PERCENT (g)	2.5%	0%	6.5%	2.3%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	1/35 (3%)	1/35 (3%)
FIRST INCIDENCE	730 (T)	---	615	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/47 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.496	P=0.486N	P=0.362	P=0.741N
POLY 1.5	P=0.487	P=0.487N	P=0.344	P=0.745N
POLY 6	P=0.515	P=0.481N	P=0.388	P=0.731N
COCH-ARM / FISHERS	P=0.485	P=0.485N	P=0.324	P=0.737N
MAX-ISO-POLY-3	P=0.322	P=0.154N	P=0.209	P=0.474N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.328	P=1.000	P=0.328	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.744			

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 Species/Strain: MICE/B6C3F1/N

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma				
TUMOR 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	---	---	---	7/30 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/48 (0%)			
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
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.127	(e)	(e)	P=0.309
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/42.18	0/42.81	1/46.59	2/43.56
POLY-3 PERCENT (g)	0%	0%	2.2%	4.6%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	2/35 (6%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/48 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.073	(e)	P=0.520	P=0.244
POLY 1.5	P=0.071	(e)	P=0.511	P=0.239
POLY 6	P=0.078	(e)	P=0.532	P=0.256
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.086	(e)	P=0.183	P=0.082
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.111	(e)	P=1.000	P=0.309
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Cholangiocarcinoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.18	2/42.90	0/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	4.7%	0%	0%
TERMINAL (d)	1/26 (4%)	1/31 (3%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	709	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.180N	P=0.506	P=0.480N	P=0.494N
POLY 1.5	P=0.184N	P=0.502	P=0.489N	P=0.498N
POLY 6	P=0.172N	P=0.517	P=0.468N	P=0.483N
COCH-ARM / FISHERS	P=0.188N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.175N	P=0.287	P=0.158N	P=0.158N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.513	P=0.307	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.228			

Experiment Number: 03038 - 04
 Test Type: CHRONIC
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/42.60	3/43.37	3/46.59	1/44.37
POLY-3 PERCENT (g)	4.7%	6.9%	6.4%	2.3%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	2/35 (6%)	0/35 (0%)
FIRST INCIDENCE	632	650	729	424
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.323N	P=0.508	P=0.541	P=0.486N
POLY 1.5	P=0.334N	P=0.502	P=0.523	P=0.494N
POLY 6	P=0.302N	P=0.523	P=0.565	P=0.469N
COCH-ARM / FISHERS	P=0.343N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.355N	P=0.332	P=0.366	P=0.272N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.222	P=0.252	P=0.257	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.104			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	4/43.33	2/42.95	3/46.72	0/43.56
POLY-3 PERCENT (g)	9.2%	4.7%	6.4%	0%
TERMINAL (d)	1/26 (4%)	1/31 (3%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	502	694	702	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/49 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.057N	P=0.341N	P=0.459N	P=0.059N
POLY 1.5	P=0.059N	P=0.342N	P=0.477N	P=0.061N
POLY 6	P=0.052N	P=0.333N	P=0.433N	P=0.055N
COCH-ARM / FISHERS	P=0.060N	P=0.339N	P=0.500N	P=0.059N
MAX-ISO-POLY-3	P=0.040N*	P=0.204N	P=0.317N	P=0.019N*
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.563	P=0.486	P=0.321	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.182			

Experiment Number: 03038 - 04
 Test Type: CHRONIC
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	26/50 (52%)	25/50 (50%)	29/50 (58%)	22/50 (44%)
POLY-3 RATE (b)	26/44.83	25/44.97	29/47.05	22/45.67
POLY-3 PERCENT (g)	58%	55.6%	61.6%	48.2%
TERMINAL (d)	17/26 (65%)	19/31 (61%)	26/35 (74%)	17/35 (49%)
FIRST INCIDENCE	502	481	652	521
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	21/49 (43%)			
STATISTICAL TESTS				
POLY 3	P=0.210N	P=0.493N	P=0.441	P=0.229N
POLY 1.5	P=0.244N	P=0.503N	P=0.397	P=0.259N
POLY 6	P=0.152N	P=0.462N	P=0.506	P=0.174N
COCH-ARM / FISHERS	P=0.267N	P=0.500N	P=0.344	P=0.274N
MAX-ISO-POLY-3	P=0.257N	P=0.405N	P=0.359	P=0.172N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.335	P=0.231	P=0.194	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.309			

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

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	15/50 (30%)	20/50 (40%)	12/50 (24%)	14/50 (28%)
POLY-3 RATE (b)	15/44.84	20/47.02	12/46.87	14/44.81
POLY-3 PERCENT (g)	33.5%	42.5%	25.6%	31.2%
TERMINAL (d)	7/26 (27%)	9/31 (29%)	10/35 (29%)	11/35 (31%)
FIRST INCIDENCE	468	440	686	532
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	8/49 (16%)			
STATISTICAL TESTS				
POLY 3	P=0.277N	P=0.246	P=0.275N	P=0.501N
POLY 1.5	P=0.284N	P=0.224	P=0.297N	P=0.511N
POLY 6	P=0.253N	P=0.287	P=0.245N	P=0.467N
COCH-ARM / FISHERS	P=0.275N	P=0.201	P=0.326N	P=0.500N
MAX-ISO-POLY-3	P=0.265N	P=0.189	P=0.209N	P=0.409N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.245	P=0.174	P=0.239	P=0.202
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.088			

Experiment Number: 03038 - 04
 Test Type: CHRONIC
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	17/50 (34%)	20/50 (40%)	15/50 (30%)	14/50 (28%)
POLY-3 RATE (b)	17/45.52	20/47.02	15/47.01	14/44.81
POLY-3 PERCENT (g)	37.4%	42.5%	31.9%	31.2%
TERMINAL (d)	8/26 (31%)	9/31 (29%)	11/35 (31%)	11/35 (31%)
FIRST INCIDENCE	468	440	686	532
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	8/49 (16%)			
STATISTICAL TESTS				
POLY 3	P=0.209N	P=0.382	P=0.370N	P=0.348N
POLY 1.5	P=0.210N	P=0.360	P=0.391N	P=0.352N
POLY 6	P=0.191N	P=0.426	P=0.337N	P=0.320N
COCH-ARM / FISHERS	P=0.194N	P=0.339	P=0.415N	P=0.333N
MAX-ISO-POLY-3	P=0.316N	P=0.307	P=0.294N	P=0.271N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.182	P=0.174	P=0.198	P=0.202
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.038*			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	33/50 (66%)	38/50 (76%)	32/50 (64%)	32/50 (64%)
POLY-3 RATE (b)	33/45.91	38/48.34	32/47.33	32/46.92
POLY-3 PERCENT (g)	71.9%	78.6%	67.6%	68.2%
TERMINAL (d)	21/26 (81%)	24/31 (77%)	27/35 (77%)	24/35 (69%)
FIRST INCIDENCE	468	440	652	521
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	26/49 (53%)			
STATISTICAL TESTS				
POLY 3	P=0.251N	P=0.294	P=0.408N	P=0.434N
POLY 1.5	P=0.288N	P=0.239	P=0.451N	P=0.485N
POLY 6	P=0.177N	P=0.399	P=0.340N	P=0.326N
COCH-ARM / FISHERS	P=0.296N	P=0.189	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.340N	P=0.220	P=0.322N	P=0.345N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.199	P=0.174	P=0.211	P=0.209
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.144			

Experiment Number: 03038 - 04
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 Species/Strain: MICE/B6C3F1/N

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	34/50 (68%)	38/50 (76%)	34/50 (68%)	32/50 (64%)
POLY-3 RATE (b)	34/45.91	38/48.34	34/47.47	32/46.92
POLY-3 PERCENT (g)	74.1%	78.6%	71.6%	68.2%
TERMINAL (d)	22/26 (85%)	24/31 (77%)	27/35 (77%)	24/35 (69%)
FIRST INCIDENCE	468	440	652	521
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	26/49 (53%)			
STATISTICAL TESTS				
POLY 3	P=0.203N	P=0.386	P=0.487N	P=0.341N
POLY 1.5	P=0.241N	P=0.317	P=0.535N	P=0.395N
POLY 6	P=0.135N	P=0.510	P=0.405N	P=0.237N
COCH-ARM / FISHERS	P=0.251N	P=0.252	P=0.585N	P=0.417N
MAX-ISO-POLY-3	P=0.294N	P=0.297	P=0.391N	P=0.261N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.171	P=0.174	P=0.192	P=0.209
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.090			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	5/50 (10%)	8/50 (16%)	9/50 (18%)	10/50 (20%)
POLY-3 RATE (b)	5/42.87	8/44.25	9/47.11	10/45.72
POLY-3 PERCENT (g)	11.7%	18.1%	19.1%	21.9%
TERMINAL (d)	2/26 (8%)	4/31 (13%)	5/35 (14%)	4/35 (11%)
FIRST INCIDENCE	613	496	686	521
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	7/49 (14%)			
STATISTICAL TESTS				
POLY 3	P=0.153	P=0.295	P=0.248	P=0.158
POLY 1.5	P=0.135	P=0.285	P=0.223	P=0.142
POLY 6	P=0.190	P=0.316	P=0.287	P=0.192
COCH-ARM / FISHERS	P=0.120	P=0.277	P=0.194	P=0.131
MAX-ISO-POLY-3	P=0.181	P=0.205	P=0.177	P=0.106
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.075	P=1.000	P=0.374	P=0.266
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.569			

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

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

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	6/50 (12%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	2/42.80	6/43.53	3/46.73	4/43.56
POLY-3 PERCENT (g)	4.7%	13.8%	6.4%	9.2%
TERMINAL (d)	0/26 (0%)	5/31 (16%)	2/35 (6%)	4/35 (11%)
FIRST INCIDENCE	596	481	694	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/49 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.463	P=0.137	P=0.540	P=0.345
POLY 1.5	P=0.450	P=0.135	P=0.523	P=0.338
POLY 6	P=0.491	P=0.144	P=0.564	P=0.363
COCH-ARM / FISHERS	P=0.446	P=0.134	P=0.500	P=0.339
MAX-ISO-POLY-3	P=0.332	P=0.073	P=0.365	P=0.208
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=0.481	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.251			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 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 PRIMARY TUMORS 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/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	7/50 (14%)	14/50 (28%)	12/50 (24%)	14/50 (28%)
POLY-3 RATE (b)	7/43.49	14/44.96	12/47.25	14/45.72
POLY-3 PERCENT (g)	16.1%	31.1%	25.4%	30.6%
TERMINAL (d)	2/26 (8%)	9/31 (29%)	7/35 (20%)	8/35 (23%)
FIRST INCIDENCE	596	481	686	521
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	11/49 (22%)			
STATISTICAL TESTS				
POLY 3	P=0.141	P=0.076	P=0.203	P=0.083
POLY 1.5	P=0.124	P=0.072	P=0.181	P=0.074
POLY 6	P=0.179	P=0.084	P=0.238	P=0.105
COCH-ARM / FISHERS	P=0.113	P=0.070	P=0.154	P=0.070
MAX-ISO-POLY-3	P=0.099	P=0.048*	P=0.147	P=0.055
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.175	P=0.257	P=1.000	P=0.265
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.318			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lung				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	2/43.37	0/46.59	0/43.56
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	---	650	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.389N	P=0.243	(e)	(e)
POLY 1.5	P=0.398N	P=0.239	(e)	(e)
POLY 6	P=0.373N	P=0.252	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.256N	P=0.082	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.512	P=0.308	(e)	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Sodium Tungstate Dihydrate
 CAS Number: 10213-10-2

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/40.53	0/42.81	0/45.59	1/43.56
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/25 (0%)	0/31 (0%)	0/34 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	---	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/45 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Sodium Tungstate Dihydrate
 CAS Number: 10213-10-2

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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 or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/40.53	0/42.81	0/45.59	1/43.56
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/25 (0%)	0/31 (0%)	0/34 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	---	7/30 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/45 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTEs	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTEs	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR 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	1/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR 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	1/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin				
Schwannoma Malignant				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	4/49 (8%)	2/50 (4%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	4/42.54	2/43.60	2/45.76	1/43.56
POLY-3 PERCENT (g)	9.4%	4.6%	4.4%	2.3%
TERMINAL (d)	1/26 (4%)	0/31 (0%)	2/35 (6%)	1/35 (3%)
FIRST INCIDENCE	468	571	730 (T)	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/48 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.131N	P=0.325N	P=0.304N	P=0.171N
POLY 1.5	P=0.133N	P=0.329N	P=0.319N	P=0.174N
POLY 6	P=0.125N	P=0.314N	P=0.283N	P=0.160N
COCH-ARM / FISHERS	P=0.134N	P=0.329N	P=0.339N	P=0.175N
MAX-ISO-POLY-3	P=0.111N	P=0.192N	P=0.184N	P=0.080N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.344	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.178			

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

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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: Follicular Cell Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.18	0/42.27	2/46.59	0/43.56
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/26 (0%)	0/31 (0%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	---	---	729	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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=0.627	(e)	P=0.275	(e)
COCH-ARM / FISHERS	P=0.596	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.278	(e)	P=0.098	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.385	(e)	P=0.315	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 CAS Number: 10213-10-2

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth				
Odontoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.18	2/42.81	1/46.59	0/43.56
POLY-3 PERCENT (g)	2.4%	4.7%	2.2%	0%
TERMINAL (d)	1/26 (4%)	2/31 (7%)	1/35 (3%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.237N	P=0.505	P=0.738N	P=0.494N
POLY 1.5	P=0.244N	P=0.501	P=0.748N	P=0.498N
POLY 6	P=0.224N	P=0.515	P=0.723N	P=0.483N
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.232N	P=0.286	P=0.472N	P=0.158N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.382	P=0.306	P=1.000	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.228			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.18	2/42.81	0/46.59	1/43.68
POLY-3 PERCENT (g)	2.4%	4.7%	0%	2.3%
TERMINAL (d)	1/26 (4%)	2/31 (7%)	0/35 (0%)	0/35 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	701
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/49 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.487N	P=0.505	P=0.480N	P=0.753N
POLY 1.5	P=0.494N	P=0.501	P=0.489N	P=0.758N
POLY 6	P=0.476N	P=0.515	P=0.468N	P=0.741N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.377N	P=0.286	P=0.158N	P=0.489N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.743	P=0.490	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.802			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Sodium Tungstate Dihydrate
 CAS Number: 10213-10-2

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	4/50 (8%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	5/43.53	4/43.89	4/46.59	2/44.37
POLY-3 PERCENT (g)	11.5%	9.1%	8.6%	4.5%
TERMINAL (d)	1/26 (4%)	1/31 (3%)	3/35 (9%)	1/35 (3%)
FIRST INCIDENCE	468	571	729	424
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/49 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.161N	P=0.495N	P=0.457N	P=0.208N
POLY 1.5	P=0.167N	P=0.501N	P=0.476N	P=0.215N
POLY 6	P=0.150N	P=0.478N	P=0.431N	P=0.193N
COCH-ARM / FISHERS	P=0.170N	P=0.500N	P=0.500N	P=0.218N
MAX-ISO-POLY-3	P=0.199N	P=0.358N	P=0.329N	P=0.115N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.220	P=0.254	P=0.259	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.097			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/50 (12%)	6/50 (12%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	6/43.53	6/43.89	4/46.59	3/44.48
POLY-3 PERCENT (g)	13.8%	13.7%	8.6%	6.7%
TERMINAL (d)	2/26 (8%)	3/31 (10%)	3/35 (9%)	1/35 (3%)
FIRST INCIDENCE	468	571	729	424
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/49 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.142N	P=0.616N	P=0.327N	P=0.230N
POLY 1.5	P=0.150N	P=0.620	P=0.346N	P=0.239N
POLY 6	P=0.129N	P=0.597N	P=0.301N	P=0.211N
COCH-ARM / FISHERS	P=0.154N	P=0.620N	P=0.370N	P=0.243N
MAX-ISO-POLY-3	P=0.229N	P=0.493N	P=0.225N	P=0.140N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.289	P=0.227	P=0.326	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.131			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.34	1/42.81	0/46.59	1/43.56
POLY-3 PERCENT (g)	2.4%	2.3%	0%	2.3%
TERMINAL (d)	0/26 (0%)	1/31 (3%)	0/35 (0%)	1/35 (3%)
FIRST INCIDENCE	689	730 (T)	---	730 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	1/50 (2%)	9/50 (18%)	0/50 (0%)
POLY-3 RATE (b)	5/42.87	1/42.81	9/47.53	0/43.56
POLY-3 PERCENT (g)	11.7%	2.3%	18.9%	0%
TERMINAL (d)	2/26 (8%)	1/31 (3%)	5/35 (14%)	0/35 (0%)
FIRST INCIDENCE	613	730 (T)	575	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/49 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.114N	P=0.101N	P=0.254	P=0.029N*
POLY 1.5	P=0.120N	P=0.102N	P=0.227	P=0.030N*
POLY 6	P=0.100N	P=0.096N	P=0.295	P=0.026N*
COCH-ARM / FISHERS	P=0.128N	P=0.102N	P=0.194	P=0.028N*
MAX-ISO-POLY-3	P=0.038N*	P=0.044N*	P=0.182	P=0.009N**
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.524	P=1.000	P=0.206	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.465			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	31/50 (62%)	32/50 (64%)	36/50 (72%)	34/50 (68%)
POLY-3 RATE (b)	31/45.52	32/46.26	36/47.97	34/46.66
POLY-3 PERCENT (g)	68.1%	69.2%	75%	72.9%
TERMINAL (d)	19/26 (73%)	23/31 (74%)	28/35 (80%)	25/35 (71%)
FIRST INCIDENCE	502	481	615	521
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	28/49 (57%)			
STATISTICAL TESTS				
POLY 3	P=0.310	P=0.547	P=0.296	P=0.388
POLY 1.5	P=0.271	P=0.522	P=0.248	P=0.347
POLY 6	P=0.405	P=0.593	P=0.377	P=0.486
COCH-ARM / FISHERS	P=0.263	P=0.500	P=0.198	P=0.338
MAX-ISO-POLY-3	P=0.423	P=0.453	P=0.225	P=0.303
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.107	P=0.242	P=0.196	P=0.208
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.546			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	30/50 (60%)	31/50 (62%)	29/50 (58%)	23/50 (46%)
POLY-3 RATE (b)	30/47.54	31/48.10	29/48.09	23/46.05
POLY-3 PERCENT (g)	63.1%	64.5%	60.3%	50%
TERMINAL (d)	12/26 (46%)	17/31 (55%)	20/35 (57%)	17/35 (49%)
FIRST INCIDENCE	468	440	575	424
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	19/49 (39%)			
STATISTICAL TESTS				
POLY 3	P=0.084N	P=0.531	P=0.471N	P=0.137N
POLY 1.5	P=0.079N	P=0.517	P=0.483N	P=0.131N
POLY 6	P=0.084N	P=0.549	P=0.458N	P=0.136N
COCH-ARM / FISHERS	P=0.064N	P=0.500	P=0.500N	P=0.115N
MAX-ISO-POLY-3	P=0.133N	P=0.444	P=0.387N	P=0.099N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.199	P=0.175	P=0.183	P=0.225
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.030*			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	42/50 (84%)	47/50 (94%)	44/50 (88%)	44/50 (88%)
POLY-3 RATE (b)	42/47.67	47/49.40	44/48.95	44/48.22
POLY-3 PERCENT (g)	88.1%	95.1%	89.9%	91.2%
TERMINAL (d)	23/26 (89%)	30/31 (97%)	32/35 (91%)	32/35 (91%)
FIRST INCIDENCE	468	440	575	424
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	37/49 (76%)			
STATISTICAL TESTS				
POLY 3	P=0.504	P=0.164	P=0.519	P=0.429
POLY 1.5	P=0.463	P=0.130	P=0.455	P=0.381
POLY 6	P=0.541N	P=0.225	P=0.616	P=0.543
COCH-ARM / FISHERS	P=0.485	P=0.100	P=0.387	P=0.387
MAX-ISO-POLY-3	P=0.380	P=0.087	P=0.382	P=0.297
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.130	P=0.178	P=0.201	P=0.195
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.193			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	1/47.32	0/45.99	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)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/46.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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				
Pheochromocytoma: Benign, Complex, Malignant, NOS				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	0/45.99	0/46.19
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Sodium Tungstate Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 06/26/2019
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS 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				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	1/50 (2%)	1/49 (2%)	0/48 (0%)
POLY-3 RATE (b)	0/43.50	1/47.43	1/44.99	0/45.41
POLY-3 PERCENT (g)	0%	2.1%	2.2%	0%
TERMINAL (d)	0/36 (0%)	0/41 (0%)	1/37 (3%)	0/39 (0%)
FIRST INCIDENCE	---	703	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	5/50 (10%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	5/47.32	1/45.99	2/47.18
POLY-3 PERCENT (g)	2.2%	10.6%	2.2%	4.2%
TERMINAL (d)	1/38 (3%)	5/41 (12%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.505N	P=0.111	P=0.758N	P=0.513
POLY 1.5	P=0.515N	P=0.108	P=0.759N	P=0.505
POLY 6	P=0.495N	P=0.113	P=0.758N	P=0.520
COCH-ARM / FISHERS	P=0.523N	P=0.102	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.357	P=0.053	P=0.496N	P=0.294
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.417	P=0.226	P=1.000	P=0.486
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.713			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	5/50 (10%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	5/47.32	1/45.99	2/47.18
POLY-3 PERCENT (g)	2.2%	10.6%	2.2%	4.2%
TERMINAL (d)	1/38 (3%)	5/41 (12%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.505N	P=0.111	P=0.758N	P=0.513
POLY 1.5	P=0.515N	P=0.108	P=0.759N	P=0.505
POLY 6	P=0.495N	P=0.113	P=0.758N	P=0.520
COCH-ARM / FISHERS	P=0.523N	P=0.102	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.357	P=0.053	P=0.496N	P=0.294
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.597	P=0.252	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.660			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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: Site Unspecified Carcinoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Adenoma				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	1/50 (2%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.61	1/47.58	1/45.51	0/47.18
POLY-3 PERCENT (g)	0%	2.1%	2.2%	0%
TERMINAL (d)	0/37 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	661	711	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	2/50 (4%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.61	2/47.58	1/45.51	0/47.18
POLY-3 PERCENT (g)	0%	4.2%	2.2%	0%
TERMINAL (d)	0/37 (0%)	1/41 (2%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	661	711	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.438N	P=0.257	P=0.509	(e)
POLY 1.5	P=0.446N	P=0.253	P=0.506	(e)
POLY 6	P=0.429N	P=0.260	P=0.510	(e)
COCH-ARM / FISHERS	P=0.453N	P=0.258	P=0.505	(e)
MAX-ISO-POLY-3	P=0.344N	P=0.093	P=0.168	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.368	P=0.308	P=0.490	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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 Carcinoma or Adenoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Cholangiocarcinoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	1/47.32	0/45.99	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)	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatoblastoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	11/50 (22%)	19/50 (38%)	11/50 (22%)	10/50 (20%)
POLY-3 RATE (b)	11/45.50	19/47.48	11/46.43	10/47.36
POLY-3 PERCENT (g)	24.2%	40%	23.7%	21.1%
TERMINAL (d)	11/38 (29%)	18/41 (44%)	10/38 (26%)	9/40 (23%)
FIRST INCIDENCE	729 (T)	688	598	683
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	3/50 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.177N	P=0.077	P=0.575N	P=0.459N
POLY 1.5	P=0.198N	P=0.071	P=0.584N	P=0.483N
POLY 6	P=0.155N	P=0.081	P=0.568N	P=0.432N
COCH-ARM / FISHERS	P=0.213N	P=0.063	P=0.595N	P=0.500N
MAX-ISO-POLY-3	P=0.186N	P=0.052	P=0.477N	P=0.365N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.196	P=0.155	P=0.185	P=0.192
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.013*			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	8/50 (16%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	2/45.51	8/48.02	4/46.22	3/47.18
POLY-3 PERCENT (g)	4.4%	16.7%	8.7%	6.4%
TERMINAL (d)	1/38 (3%)	6/41 (15%)	3/38 (8%)	3/40 (8%)
FIRST INCIDENCE	727	629	666	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.423N	P=0.055	P=0.344	P=0.516
POLY 1.5	P=0.438N	P=0.051	P=0.341	P=0.507
POLY 6	P=0.407N	P=0.058	P=0.346	P=0.527
COCH-ARM / FISHERS	P=0.449N	P=0.046*	P=0.339	P=0.500
MAX-ISO-POLY-3	P=0.247	P=0.029*	P=0.208	P=0.341
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.264	P=0.191	P=0.250	P=0.304
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.507			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	8/50 (16%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	2/45.51	8/48.02	4/46.22	3/47.18
POLY-3 PERCENT (g)	4.4%	16.7%	8.7%	6.4%
TERMINAL (d)	1/38 (3%)	6/41 (15%)	3/38 (8%)	3/40 (8%)
FIRST INCIDENCE	727	629	666	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.423N	P=0.055	P=0.344	P=0.516
POLY 1.5	P=0.438N	P=0.051	P=0.341	P=0.507
POLY 6	P=0.407N	P=0.058	P=0.346	P=0.527
COCH-ARM / FISHERS	P=0.449N	P=0.046*	P=0.339	P=0.500
MAX-ISO-POLY-3	P=0.247	P=0.029*	P=0.208	P=0.341
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.264	P=0.191	P=0.250	P=0.304
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.507			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	13/50 (26%)	24/50 (48%)	14/50 (28%)	13/50 (26%)
POLY-3 RATE (b)	13/45.51	24/48.18	14/46.67	13/47.36
POLY-3 PERCENT (g)	28.6%	49.8%	30%	27.5%
TERMINAL (d)	12/38 (32%)	21/41 (51%)	12/38 (32%)	12/40 (30%)
FIRST INCIDENCE	727	629	598	683
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	4/50 (8%)			
STATISTICAL TESTS				
POLY 3	P=0.193N	P=0.027*	P=0.531	P=0.544N
POLY 1.5	P=0.217N	P=0.023*	P=0.516	P=0.571N
POLY 6	P=0.168N	P=0.031*	P=0.545	P=0.514N
COCH-ARM / FISHERS	P=0.237N	P=0.019*	P=0.500	P=0.590N
MAX-ISO-POLY-3	P=0.179N	P=0.018*	P=0.439	P=0.452N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.187	P=0.145	P=0.176	P=0.182
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.009**			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	13/50 (26%)	24/50 (48%)	14/50 (28%)	13/50 (26%)
POLY-3 RATE (b)	13/45.51	24/48.18	14/46.67	13/47.36
POLY-3 PERCENT (g)	28.6%	49.8%	30%	27.5%
TERMINAL (d)	12/38 (32%)	21/41 (51%)	12/38 (32%)	12/40 (30%)
FIRST INCIDENCE	727	629	598	683
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	4/50 (8%)			
STATISTICAL TESTS				
POLY 3	P=0.193N	P=0.027*	P=0.531	P=0.544N
POLY 1.5	P=0.217N	P=0.023*	P=0.516	P=0.571N
POLY 6	P=0.168N	P=0.031*	P=0.545	P=0.514N
COCH-ARM / FISHERS	P=0.237N	P=0.019*	P=0.500	P=0.590N
MAX-ISO-POLY-3	P=0.179N	P=0.018*	P=0.439	P=0.452N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.187	P=0.145	P=0.176	P=0.182
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.009**			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.50	2/47.32	0/45.99	1/47.18
POLY-3 PERCENT (g)	4.4%	4.2%	0%	2.1%
TERMINAL (d)	2/38 (5%)	2/41 (5%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/50 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.293N	P=0.680N	P=0.235N	P=0.487N
POLY 1.5	P=0.296N	P=0.684N	P=0.236N	P=0.495N
POLY 6	P=0.290N	P=0.676N	P=0.235N	P=0.480N
COCH-ARM / FISHERS	P=0.296N	P=0.691N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.270N	P=0.484N	P=0.076N	P=0.273N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.278			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	2/45.61	3/47.77	5/45.99	5/47.62
POLY-3 PERCENT (g)	4.4%	6.3%	10.9%	10.5%
TERMINAL (d)	1/38 (3%)	2/41 (5%)	5/38 (13%)	2/40 (5%)
FIRST INCIDENCE	702	599	729 (T)	667
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.161	P=0.521	P=0.219	P=0.234
POLY 1.5	P=0.153	P=0.514	P=0.218	P=0.224
POLY 6	P=0.172	P=0.527	P=0.218	P=0.246
COCH-ARM / FISHERS	P=0.148	P=0.500	P=0.218	P=0.218
MAX-ISO-POLY-3	P=0.221	P=0.346	P=0.123	P=0.137
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.105	P=0.252	P=0.207	P=0.208
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.068			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	4/50 (8%)	5/50 (10%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	4/45.61	5/47.77	5/45.99	6/47.62
POLY-3 PERCENT (g)	8.8%	10.5%	10.9%	12.6%
TERMINAL (d)	3/38 (8%)	4/41 (10%)	5/38 (13%)	3/40 (8%)
FIRST INCIDENCE	702	599	729 (T)	667
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/50 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.337	P=0.529	P=0.505	P=0.397
POLY 1.5	P=0.324	P=0.519	P=0.503	P=0.382
POLY 6	P=0.354	P=0.537	P=0.504	P=0.415
COCH-ARM / FISHERS	P=0.316	P=0.500	P=0.500	P=0.370
MAX-ISO-POLY-3	P=0.451	P=0.392	P=0.368	P=0.281
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.104	P=1.000	P=1.000	P=0.470
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.834			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Lung				
Hemangiosarcoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Ovary				
Cystadenoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	1/49 (2%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	3/44.50	1/46.32	5/45.99	4/47.18
POLY-3 PERCENT (g)	6.7%	2.2%	10.9%	8.5%
TERMINAL (d)	3/37 (8%)	1/40 (3%)	5/38 (13%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	4/48 (8%)			
STATISTICAL TESTS				
POLY 3	P=0.286	P=0.291N	P=0.374	P=0.532
POLY 1.5	P=0.277	P=0.296N	P=0.371	P=0.520
POLY 6	P=0.296	P=0.287N	P=0.375	P=0.545
COCH-ARM / FISHERS	P=0.275	P=0.309N	P=0.369	P=0.511
MAX-ISO-POLY-3	P=0.274	P=0.149N	P=0.248	P=0.379
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	P=0.335	P=1.000	P=0.473	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTEs	P=0.793			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	5/47 (11%)	1/50 (2%)
POLY-3 RATE (b)	2/45.61	0/47.32	5/44.38	1/47.18
POLY-3 PERCENT (g)	4.4%	0%	11.3%	2.1%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	5/37 (14%)	1/40 (3%)
FIRST INCIDENCE	702	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/47 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.591N	P=0.229N	P=0.205	P=0.488N
POLY 1.5	P=0.595	P=0.232N	P=0.201	P=0.495N
POLY 6	P=0.581N	P=0.227N	P=0.206	P=0.481N
COCH-ARM / FISHERS	P=0.593	P=0.247N	P=0.193	P=0.500N
MAX-ISO-POLY-3	P=0.244	P=0.076N	P=0.112	P=0.274N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.302	(e)	P=0.208	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.132			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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: Pars Distalis or Unspecified Site Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	5/47 (11%)	1/50 (2%)
POLY-3 RATE (b)	2/45.61	1/47.69	5/44.38	1/47.18
POLY-3 PERCENT (g)	4.4%	2.1%	11.3%	2.1%
TERMINAL (d)	1/38 (3%)	0/41 (0%)	5/37 (14%)	1/40 (3%)
FIRST INCIDENCE	702	627	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/47 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.516N	P=0.484N	P=0.205	P=0.488N
POLY 1.5	P=0.525N	P=0.490N	P=0.201	P=0.495N
POLY 6	P=0.506N	P=0.480N	P=0.206	P=0.481N
COCH-ARM / FISHERS	P=0.526N	P=0.500N	P=0.193	P=0.500N
MAX-ISO-POLY-3	P=0.337N	P=0.272N	P=0.112	P=0.274N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.279	P=1.000	P=0.208	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.132			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.05	3/47.48	1/46.42	1/47.18
POLY-3 PERCENT (g)	2.2%	6.3%	2.2%	2.1%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	560	688	604	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.436N	P=0.316	P=0.759N	P=0.755N
POLY 1.5	P=0.442N	P=0.313	P=0.760N	P=0.759N
POLY 6	P=0.430N	P=0.319	P=0.759N	P=0.751N
COCH-ARM / FISHERS	P=0.444N	P=0.309	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.451N	P=0.166	P=0.497N	P=0.492N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.281	P=0.252	P=0.490	P=0.493
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.151			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.05	3/47.48	1/46.42	1/47.18
POLY-3 PERCENT (g)	2.2%	6.3%	2.2%	2.1%
TERMINAL (d)	0/38 (0%)	2/41 (5%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	560	688	604	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.436N	P=0.316	P=0.759N	P=0.755N
POLY 1.5	P=0.442N	P=0.313	P=0.760N	P=0.759N
POLY 6	P=0.430N	P=0.319	P=0.759N	P=0.751N
COCH-ARM / FISHERS	P=0.444N	P=0.309	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.451N	P=0.166	P=0.497N	P=0.492N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.281	P=0.252	P=0.490	P=0.493
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.151			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Sodium Tungstate Dihydrate
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Skin				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	0/47.32	2/45.99	0/47.18
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	2/38 (5%)	0/40 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.610	(e)	P=0.240	(e)
POLY 1.5	P=0.600	(e)	P=0.238	(e)
POLY 6	P=0.621	(e)	P=0.240	(e)
COCH-ARM / FISHERS	P=0.595	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.261	(e)	P=0.078	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.385	(e)	P=0.304	(e)
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=1.000			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/48 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.50	1/46.23	0/45.43	0/47.18
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	0/40 (0%)
FIRST INCIDENCE	---	703	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/49 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS 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: Follicular Cell Adenoma				
TUMOR RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.50	0/47.32	0/45.02	1/47.18
POLY-3 PERCENT (g)	2.3%	0%	0%	2.1%
TERMINAL (d)	1/37 (3%)	0/41 (0%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/48 (2%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 Sodium Tungstate Dihydrate
 CAS Number: 10213-10-2

Date Report Requested: 06/26/2019
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Tooth				
Odontoma				
TUMOR 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	---	---	---	---
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
Uterus				
Polyp Stromal				
TUMOR 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	2/46.34	1/47.19
POLY-3 PERCENT (g)	0%	0%	4.3%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	1/38 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	629	727
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.255	(e)	P=0.241	P=0.507
POLY 1.5	P=0.248	(e)	P=0.239	P=0.503
POLY 6	P=0.263	(e)	P=0.243	P=0.512
COCH-ARM / FISHERS	P=0.246	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.182	(e)	P=0.080	P=0.168
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.313	(e)	P=0.477	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.463			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Hemangioma				
TUMOR 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	1/47.18
POLY-3 PERCENT (g)	0%	0%	0%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	0/38 (0%)	1/40 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
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)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/45.50	2/47.43	2/46.39	1/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	4.3%	2.1%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	1/38 (3%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	703	613	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	0/50 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.543N	P=0.514	P=0.507	P=0.752N
POLY 1.5	P=0.551N	P=0.509	P=0.504	P=0.757N
POLY 6	P=0.535N	P=0.519	P=0.509	P=0.747N
COCH-ARM / FISHERS	P=0.556N	P=0.500	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.551N	P=0.297	P=0.288	P=0.489N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.179	P=0.306	P=0.304	P=0.493
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.138			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	2/47.43	2/46.39	2/47.18
POLY-3 PERCENT (g)	2.2%	4.2%	4.3%	4.2%
TERMINAL (d)	1/38 (3%)	1/41 (2%)	1/38 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	703	613	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	2/50 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.437	P=0.514	P=0.507	P=0.513
POLY 1.5	P=0.428	P=0.509	P=0.504	P=0.505
POLY 6	P=0.447	P=0.519	P=0.509	P=0.520
COCH-ARM / FISHERS	P=0.423	P=0.500	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.487	P=0.297	P=0.288	P=0.294
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.159	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.664			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/45.84	1/47.33	3/46.12	1/47.18
POLY-3 PERCENT (g)	4.4%	2.1%	6.5%	2.1%
TERMINAL (d)	0/38 (0%)	0/41 (0%)	1/38 (3%)	1/40 (3%)
FIRST INCIDENCE	669	727	711	729 (T)
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	1/50 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.467N	P=0.489N	P=0.503	P=0.490N
POLY 1.5	P=0.474N	P=0.492N	P=0.501	P=0.496N
POLY 6	P=0.461N	P=0.488N	P=0.502	P=0.484N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.463N	P=0.274N	P=0.327	P=0.275N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.384	P=1.000	P=0.302	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.520			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	13/50 (26%)	8/50 (16%)	9/50 (18%)
POLY-3 RATE (b)	4/45.63	13/47.58	8/46.59	9/47.54
POLY-3 PERCENT (g)	8.8%	27.3%	17.2%	18.9%
TERMINAL (d)	3/38 (8%)	12/41 (29%)	5/38 (13%)	5/40 (13%)
FIRST INCIDENCE	697	661	598	668
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	5/50 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.317	P=0.018*	P=0.187	P=0.132
POLY 1.5	P=0.295	P=0.017*	P=0.183	P=0.122
POLY 6	P=0.343	P=0.019*	P=0.190	P=0.143
COCH-ARM / FISHERS	P=0.283	P=0.016*	P=0.178	P=0.117
MAX-ISO-POLY-3	P=0.099	P=0.010**	P=0.117	P=0.082
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.219	P=0.187	P=0.246	P=0.225
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.840			

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

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	20/50 (40%)	24/50 (48%)	23/50 (46%)	16/50 (32%)
POLY-3 RATE (b)	20/46.40	24/47.74	23/46.86	16/47.36
POLY-3 PERCENT (g)	43.1%	50.3%	49.1%	33.8%
TERMINAL (d)	18/38 (47%)	22/41 (54%)	20/38 (53%)	14/40 (35%)
FIRST INCIDENCE	432	661	598	683
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	17/50 (34%)			
STATISTICAL TESTS				
POLY 3	P=0.137N	P=0.311	P=0.354	P=0.237N
POLY 1.5	P=0.156N	P=0.297	P=0.345	P=0.258N
POLY 6	P=0.116N	P=0.325	P=0.364	P=0.212N
COCH-ARM / FISHERS	P=0.160N	P=0.273	P=0.343	P=0.266N
MAX-ISO-POLY-3	P=0.144N	P=0.245	P=0.282	P=0.179N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.361	P=0.192	P=0.196	P=1.000
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.414			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	15/50 (30%)	27/50 (54%)	23/50 (46%)	20/50 (40%)
POLY-3 RATE (b)	15/47.16	27/49.36	23/47.80	20/47.98
POLY-3 PERCENT (g)	31.8%	54.7%	48.1%	41.7%
TERMINAL (d)	8/38 (21%)	19/41 (46%)	15/38 (40%)	13/40 (33%)
FIRST INCIDENCE	560	599	598	667
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	11/50 (22%)			
STATISTICAL TESTS				
POLY 3	P=0.390	P=0.018*	P=0.077	P=0.216
POLY 1.5	P=0.370	P=0.015*	P=0.074	P=0.203
POLY 6	P=0.411	P=0.021*	P=0.079	P=0.231
COCH-ARM / FISHERS	P=0.377	P=0.013*	P=0.074	P=0.201
MAX-ISO-POLY-3	P=0.084	P=0.012*	P=0.052	P=0.162
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.150	P=0.162	P=0.172	P=0.183
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.292			

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

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 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 PRIMARY TUMORS IN MICE(B6C3F1/N)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/L	500 mg/L	1000 mg/L	2000 mg/L
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	32/50 (64%)	36/50 (72%)	40/50 (80%)	28/50 (56%)
POLY-3 RATE (b)	32/47.95	36/49.36	40/48.60	28/47.98
POLY-3 PERCENT (g)	66.7%	72.9%	82.3%	58.4%
TERMINAL (d)	24/38 (63%)	28/41 (68%)	30/38 (79%)	21/40 (53%)
FIRST INCIDENCE	432	599	598	667
HC TUMORS SAME ROUTE	0/0 (0%)			
HC TUMORS ALL ROUTES	25/50 (50%)			
STATISTICAL TESTS				
POLY 3	P=0.181N	P=0.327	P=0.060	P=0.261N
POLY 1.5	P=0.197N	P=0.300	P=0.054	P=0.280N
POLY 6	P=0.163N	P=0.361	P=0.070	P=0.239N
COCH-ARM / FISHERS	P=0.178N	P=0.260	P=0.059	P=0.270N
MAX-ISO-POLY-3	P=0.069N	P=0.255	P=0.037*	P=0.197N
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	P=0.239	P=0.176	P=0.161	P=0.228
CURR VS HC SAME RTE	(e)			
CURR VS HC ALL RTES	P=0.096			

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

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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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.
- (h) Historical Controls statistic is not calculated when the HC Poly-3 rate is higher than the Poly-3 rates for all dose groups.
- (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 ***