

**Experiment Number:** 20209 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
Pentabromodiphenyl oxide (technical) (DE 71)  
**CAS Number:** 32534-81-9

**Date Report Requested:** 08/14/2014  
**Time Report Requested:** 07:47:55  
**First Dose M/F:** 02/25/08 / 02/25/08  
**Lab:** SRI

F1\_M3

**NTP Study Number:** C20209  
**Lock Date:** 08/31/2011  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.1\_001  
**PWG Approval Date:** NONE

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## **HISTORICAL CONTROL STUDIES**

**From June 2013 report**

### **SAME ROUTE**

- 99031-04 -- Ginkgo biloba extract (GAVAGE CORN OIL)
- 20006-04 -- Indole-3-carbinol (GAVAGE CORN OIL)
- 20007-06 -- Kava kava extract (GAVAGE CORN OIL)
- 20107-04 -- N,N-Dimethyl-p-toluidine (GAVAGE CORN OIL)
- 20320-04 -- Tetrabromobisphenol A (GAVAGE CORN OIL)

### **ALL ROUTES**

- 99037-06 -- alpha/beta Thujone mixture (GAVAGE METHYLCELLULOSE)
- 20011-06 -- 1-Bromopropane (INHALATION AIR)
- 60311-06 -- Cobalt (INHALATION AIR)
- 99017-06 -- Diethylamine (INHALATION AIR)
- 99031-04 -- Ginkgo biloba extract (GAVAGE CORN OIL)
- 20005-06 -- Ginseng (GAVAGE WATER)
- 20203-04 -- Green tea extract (GAVAGE WATER)
- 20006-04 -- Indole-3-carbinol (GAVAGE CORN OIL)
- 20007-06 -- Kava kava extract (GAVAGE CORN OIL)
- 20515-04 -- Metal working fluids (CIMSTAR 3800) (INHALATION AIR)
- 95003-06 -- Methyl trans-styryl ketone (SKIN ETHANOL)
- 20107-04 -- N,N-Dimethyl-p-toluidine (GAVAGE CORN OIL)
- 20009-04 -- beta-Picoline (ORAL WATER)
- 99032-04 -- Pyrogallol (SKIN ETHANOL)
- 20320-04 -- Tetrabromobisphenol A (GAVAGE CORN OIL)
- 93025-06 -- Tetralin (INHALATION AIR)
- 88133-08 -- Trimethylolpropane triacrylate (SKIN ACETONE)
- 20303-06 -- Vinylidene chloride (INHALATION AIR)
- 96014-06 -- Water disinfection byproducts (Bromodichloroacetic acid) (ORAL WATER)

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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

Islets, Pancreatic

Kidney

Liver

Lung

Ovary

Pituitary Gland

Testes

Thyroid Gland

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## SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF PENTABROMODIPHENYL OXIDE (TECHNICAL) (DE 71)

### MALE MICE

#### Organ

Harderian Gland

Intestine Small: Site Unspecified

Liver

Lung

All Organs

#### Morphology

Adenoma

Carcinoma or Adenoma

Carcinoma or Adenoma

Hepatoblastoma

Hepatocellular Adenoma

Hepatocellular Carcinoma

Hepatocellular Carcinoma or Hepatoblastoma

Hepatocellular Carcinoma or Hepatocellular Adenoma

Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Carcinoma

Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type

Benign Tumors

Malignant Tumors

Malignant and Benign Tumors

### FEMALE MICE

#### Organ

Harderian Gland

Liver

Lung

Pituitary Gland: Pars Distalis or Unspecified Site

Skin

Stomach, Forestomach

Uterus

All Organs

#### Morphology

Adenoma

Carcinoma or Adenoma

Hepatocellular Adenoma

Hepatocellular Carcinoma

Hepatocellular Carcinoma or Hepatoblastoma

Hepatocellular Carcinoma or Hepatocellular Adenoma

Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma

Adenoma

Mast Cell Tumor Benign

Squamous Cell Papilloma

Polyp Stromal

Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type

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**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF PENTABROMODIPHENYL OXIDE (TECHNICAL) (DE 71)**

Benign Tumors

Malignant Tumors

Malignant and Benign Tumors

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Adrenal Cortex</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/49 (2%)	0/48 (0%)
POLY-3 RATE (b)	0/40.02	1/43.38	1/43.04	0/17.62
POLY-3 PERCENT (g)	0%	2.3%	2.3%	0%
TERMINAL (d)	0/29 (0%)	1/33 (3%)	1/31 (3%)	0/0 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	5/250 (2%)			
HC TUMORS ALL ROUTES	57/945 (6%)			
<b>STATISTICAL TESTS</b>				
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)			

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	5/50 (10%)	6/50 (12%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	5/40.20	6/43.38	3/44.65	0/18.16
POLY-3 PERCENT (g)	12.4%	13.8%	6.7%	0%
TERMINAL (d)	4/29 (14%)	6/33 (18%)	1/31 (3%)	0/0 (0%)
FIRST INCIDENCE	684	729 (T)	618	---
HC TUMORS SAME ROUTE	33/250 (13%)			
HC TUMORS ALL ROUTES	119/950 (13%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.078N	P=0.554	P=0.300N	P=0.175N
POLY 1.5	P=0.041N*	P=0.539	P=0.319N	P=0.081N
POLY 6	P=0.132N	P=0.571	P=0.275N	P=0.402N
COCH-ARM / FISHERS	P=0.013N*	P=0.500	P=0.357N	P=0.028N*
MAX-ISO-POLY-3	P=0.128N	P=0.426	P=0.197N	P=0.142N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.657			
CURR VS HC ALL RTEs	P=0.755			

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	6/50 (12%)	6/50 (12%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	6/40.20	6/43.38	3/44.65	0/18.16
POLY-3 PERCENT (g)	14.9%	13.8%	6.7%	0%
TERMINAL (d)	5/29 (17%)	6/33 (18%)	1/31 (3%)	0/0 (0%)
FIRST INCIDENCE	684	729 (T)	618	---
HC TUMORS SAME ROUTE	38/250 (15%)			
HC TUMORS ALL ROUTES	153/950 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.057N	P=0.567N	P=0.192N	P=0.131N
POLY 1.5	P=0.030N*	P=0.582N	P=0.209N	P=0.051N
POLY 6	P=0.093N	P=0.550N	P=0.170N	P=0.363N
COCH-ARM / FISHERS	P=0.009N**	P=0.620N	P=0.243N	P=0.013N*
MAX-ISO-POLY-3	P=0.093N	P=0.444N	P=0.122N	P=0.117N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.700			
CURR VS HC ALL RTES	P=0.607			



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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Intestine Small: Site Unspecified Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/40.02	0/43.38	0/43.98	2/19.70
POLY-3 PERCENT (g)	0%	0%	0%	10.2%
TERMINAL (d)	0/29 (0%)	0/33 (0%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	442
HC TUMORS SAME ROUTE	9/250 (4%)			
HC TUMORS ALL ROUTES	31/950 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.025*	(e)	(e)	P=0.123
POLY 1.5	P=0.027*	(e)	(e)	P=0.168
POLY 6	P=0.118	(e)	(e)	P=0.081
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	P=0.072
HISTCONT SAME RTE	P=0.344	(e)	(e)	P=0.279
HISTCONT ALL RTES	P=0.294	(e)	(e)	P=0.203
CURR VS HC SAME RTE	P=0.204			
CURR VS HC ALL RTES	P=0.262			

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Islets, Pancreatic Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/40.02	0/43.38	0/43.98	0/18.16
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	1/29 (3%)	0/33 (0%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	21/945 (2%)			
<b>STATISTICAL TESTS</b>				
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)			

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Kidney: Renal Tubule Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/40.02	2/43.94	1/43.21	0/18.16
POLY-3 PERCENT (g)	0%	4.6%	2.3%	0%
TERMINAL (d)	0/29 (0%)	1/33 (3%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	---	557	684	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	11/944 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.496N	P=0.258	P=0.515	(e)
POLY 1.5	P=0.420N	P=0.252	P=0.509	(e)
POLY 6	P=0.684N	P=0.267	P=0.524	(e)
COCH-ARM / FISHERS	P=0.339N	P=0.247	P=0.495	(e)
MAX-ISO-POLY-3	P=0.533	P=0.096	P=0.178	(e)
HISTCONT SAME RTE	P=0.546	P=0.075	P=1.000	(e)
HISTCONT ALL RTES	P=0.639	P=0.103	P=1.000	(e)
CURR VS HC SAME RTE	P=0.541			
CURR VS HC ALL RTES	P=0.569			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	16/50 (32%)	5/50 (10%)
POLY-3 RATE (b)	1/40.02	1/43.38	16/45.77	5/21.33
POLY-3 PERCENT (g)	2.5%	2.3%	35%	23.4%
TERMINAL (d)	1/29 (3%)	1/33 (3%)	9/31 (29%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	453	477
HC TUMORS SAME ROUTE	9/250 (4%)			
HC TUMORS ALL ROUTES	40/949 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.743N	P<0.001**	P=0.020*
POLY 1.5	P=0.009**	P=0.748N	P<0.001**	P=0.044*
POLY 6	P<0.001**	P=0.736N	P<0.001**	P=0.006**
COCH-ARM / FISHERS	P=0.157	P=0.753N	P<0.001**	P=0.102
MAX-ISO-POLY-3	P<0.001**	P=0.477N	P<0.001**	P=0.023*
HISTCONT SAME RTE	P=0.020*	P=1.000	P=0.002**	P=0.042*
HISTCONT ALL RTEs	P<0.001**	P=1.000	P<0.001**	P=0.014*
CURR VS HC SAME RTE	P=0.626			
CURR VS HC ALL RTEs	P=0.517			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	23/50 (46%)	35/50 (70%)	49/50 (98%)	40/50 (80%)
POLY-3 RATE (b)	23/43.26	35/48.01	49/49.59	40/42.77
POLY-3 PERCENT (g)	53.2%	72.9%	98.8%	93.5%
TERMINAL (d)	15/29 (52%)	25/33 (76%)	31/31 (100%)	0/0 (0%)
FIRST INCIDENCE	491	428	431	451
HC TUMORS SAME ROUTE	145/250 (58%)			
HC TUMORS ALL ROUTES	594/949 (63%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.034*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.025*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.049*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.005**	P=0.013*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.026*	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.012*	P=0.039*	P<0.001**	P=0.003**
HISTCONT ALL RTES	P=0.002**	P=0.282	P<0.001**	P=0.002**
CURR VS HC SAME RTE	P=0.119			
CURR VS HC ALL RTES	P=0.042*			

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DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	18/50 (36%)	15/50 (30%)	30/50 (60%)	45/50 (90%)
POLY-3 RATE (b)	18/44.25	15/45.53	30/46.03	45/46.05
POLY-3 PERCENT (g)	40.7%	33%	65.2%	97.7%
TERMINAL (d)	8/29 (28%)	9/33 (27%)	21/31 (68%)	0/0 (0%)
FIRST INCIDENCE	491	540	453	451
HC TUMORS SAME ROUTE	87/250 (35%)			
HC TUMORS ALL ROUTES	348/949 (37%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.293N	P=0.013*	P<0.001**
POLY 1.5	P<0.001**	P=0.296N	P=0.014*	P<0.001**
POLY 6	P<0.001**	P=0.293N	P=0.013*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.335N	P=0.014*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.226N	P=0.008**	P<0.001**
HISTCONT SAME RTE	P=0.002**	P=1.000	P=0.017*	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=1.000	P=0.005**	P<0.001**
CURR VS HC SAME RTE	P=0.790			
CURR VS HC ALL RTES	P=0.905			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	18/50 (36%)	15/50 (30%)	36/50 (72%)	45/50 (90%)
POLY-3 RATE (b)	18/44.25	15/45.53	36/46.87	45/46.05
POLY-3 PERCENT (g)	40.7%	33%	76.8%	97.7%
TERMINAL (d)	8/29 (28%)	9/33 (27%)	25/31 (81%)	0/0 (0%)
FIRST INCIDENCE	491	540	453	451
HC TUMORS SAME ROUTE	93/250 (37%)			
HC TUMORS ALL ROUTES	371/949 (39%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.293N	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.296N	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.293N	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.335N	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.226N	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.002**	P=1.000	P=0.006**	P=0.002**
HISTCONT ALL RTES	P<0.001**	P=1.000	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.972			
CURR VS HC ALL RTES	P=0.839			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	31/50 (62%)	40/50 (80%)	49/50 (98%)	47/50 (94%)
POLY-3 RATE (b)	31/45.54	40/49.01	49/49.59	47/47.22
POLY-3 PERCENT (g)	68.1%	81.6%	98.8%	99.5%
TERMINAL (d)	18/29 (62%)	26/33 (79%)	31/31 (100%)	0/0 (0%)
FIRST INCIDENCE	491	428	431	451
HC TUMORS SAME ROUTE	189/250 (76%)			
HC TUMORS ALL ROUTES	742/949 (78%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.092	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.074	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.117	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.038*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.064	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.008**	P=0.478	P=0.003**	P=0.003**
HISTCONT ALL RTES	P=0.004**	P=1.000	P=0.003**	P=0.003**
CURR VS HC SAME RTE	P=0.044*			
CURR VS HC ALL RTES	P=0.021*			



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	31/50 (62%)	40/50 (80%)	49/50 (98%)	47/50 (94%)
POLY-3 RATE (b)	31/45.54	40/49.01	49/49.59	47/47.22
POLY-3 PERCENT (g)	68.1%	81.6%	98.8%	99.5%
TERMINAL (d)	18/29 (62%)	26/33 (79%)	31/31 (100%)	0/0 (0%)
FIRST INCIDENCE	491	428	431	451
HC TUMORS SAME ROUTE	190/250 (76%)			
HC TUMORS ALL ROUTES	746/949 (79%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.092	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.074	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.117	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.038*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.064	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.008**	P=1.000	P=0.003**	P=0.003**
HISTCONT ALL RTES	P=0.005**	P=1.000	P=0.003**	P=0.004**
CURR VS HC SAME RTE	P=0.035*			
CURR VS HC ALL RTES	P=0.017*			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	5/50 (10%)	6/50 (12%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	5/40.35	6/43.94	3/43.98	1/18.74
POLY-3 PERCENT (g)	12.4%	13.7%	6.8%	5.3%
TERMINAL (d)	4/29 (14%)	5/33 (15%)	3/31 (10%)	0/0 (0%)
FIRST INCIDENCE	639	557	729 (T)	543
HC TUMORS SAME ROUTE	38/250 (15%)			
HC TUMORS ALL ROUTES	145/950 (15%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.177N	P=0.560	P=0.309N	P=0.371N
POLY 1.5	P=0.113N	P=0.542	P=0.324N	P=0.216N
POLY 6	P=0.238N	P=0.580	P=0.291N	P=0.627N
COCH-ARM / FISHERS	P=0.044N*	P=0.500	P=0.357N	P=0.102N
MAX-ISO-POLY-3	P=0.292N	P=0.433	P=0.203N	P=0.283N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.429			
CURR VS HC ALL RTES	P=0.429			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	5/50 (10%)	6/50 (12%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	5/40.55	6/43.38	1/43.98	0/18.16
POLY-3 PERCENT (g)	12.3%	13.8%	2.3%	0%
TERMINAL (d)	4/29 (14%)	6/33 (18%)	1/31 (3%)	0/0 (0%)
FIRST INCIDENCE	568	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	23/250 (9%)			
HC TUMORS ALL ROUTES	132/950 (14%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.029N*	P=0.548	P=0.083N	P=0.177N
POLY 1.5	P=0.021N*	P=0.535	P=0.089N	P=0.082N
POLY 6	P=0.028N*	P=0.562	P=0.076N	P=0.405N
COCH-ARM / FISHERS	P=0.010N**	P=0.500	P=0.102N	P=0.028N*
MAX-ISO-POLY-3	P=0.047N*	P=0.420	P=0.040N*	P=0.144N
HISTCONT SAME RTE	P=1.000	P=0.386	P=1.000	P=1.000
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.787			
CURR VS HC ALL RTEs	P=0.575			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	10/50 (20%)	12/50 (24%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	10/40.88	12/43.94	4/43.98	1/18.74
POLY-3 PERCENT (g)	24.5%	27.3%	9.1%	5.3%
TERMINAL (d)	8/29 (28%)	11/33 (33%)	4/31 (13%)	0/0 (0%)
FIRST INCIDENCE	568	557	729 (T)	543
HC TUMORS SAME ROUTE	59/250 (24%)			
HC TUMORS ALL ROUTES	263/950 (28%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.013N*	P=0.480	P=0.051N	P=0.103N
POLY 1.5	P=0.005N**	P=0.460	P=0.057N	P=0.025N*
POLY 6	P=0.017N*	P=0.501	P=0.044N*	P=0.402N
COCH-ARM / FISHERS	P<0.001N**	P=0.405	P=0.074N	P=0.004N**
MAX-ISO-POLY-3	P=0.021N*	P=0.384	P=0.031N*	P=0.107N
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.742			
CURR VS HC ALL RTES	P=0.384			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/47 (0%)	1/43 (2%)	0/43 (0%)	0/44 (0%)
POLY-3 RATE (b)	0/37.99	1/37.41	0/38.02	0/15.95
POLY-3 PERCENT (g)	0%	2.7%	0%	0%
TERMINAL (d)	0/28 (0%)	1/29 (3%)	0/27 (0%)	0/0 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	0/248 (0%)			
HC TUMORS ALL ROUTES	3/933 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Pituitary Gland: Pars Intermedia Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/47 (0%)	0/43 (0%)	0/43 (0%)	0/44 (0%)
POLY-3 RATE (b)	0/37.99	0/37.41	0/38.02	0/15.95
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/28 (0%)	0/29 (0%)	0/27 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/248 (0%)			
HC TUMORS ALL ROUTES	2/933 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skeletal Muscle</b>				
<b>Rhabdomyosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.02	0/43.38	0/43.98	0/18.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/33 (0%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	1/950 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.02	0/43.38	0/43.98	0/18.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/33 (0%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	11/950 (1%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.02	0/43.38	0/43.98	0/18.16
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/29 (0%)	0/33 (0%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	11/950 (1%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
<b>Lipoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.96	0/43.38	0/43.98	0/18.16
POLY-3 PERCENT (g)	4.9%	0%	0%	0%
TERMINAL (d)	1/29 (3%)	0/33 (0%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	298	---	---	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	2/950 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.276N	P=0.224N	P=0.221N	P=0.439N
POLY 1.5	P=0.296N	P=0.228N	P=0.227N	P=0.337N
POLY 6	P=0.305N	P=0.219N	P=0.213N	P=0.585N
COCH-ARM / FISHERS	P=0.289N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.303N	P=0.075N	P=0.075N	P=0.262N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.045*			
CURR VS HC ALL RTEs	P<0.001**			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
<b>Mast Cell Tumor Benign</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/40.02	0/43.38	1/44.16	0/18.16
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/29 (0%)	0/33 (0%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	684	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/950 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	2/40.02	1/43.53	2/43.98	3/20.05
POLY-3 PERCENT (g)	5%	2.3%	4.6%	15%
TERMINAL (d)	2/29 (7%)	0/33 (0%)	2/31 (7%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	692	729 (T)	492
HC TUMORS SAME ROUTE	15/250 (6%)			
HC TUMORS ALL ROUTES	24/950 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.109	P=0.471N	P=0.660N	P=0.229
POLY 1.5	P=0.162	P=0.479N	P=0.671N	P=0.345
POLY 6	P=0.140	P=0.460N	P=0.645N	P=0.113
COCH-ARM / FISHERS	P=0.289	P=0.500N	P=0.691N	P=0.500
MAX-ISO-POLY-3	P=0.179	P=0.264N	P=0.462N	P=0.174
HISTCONT SAME RTE	P=0.464	P=1.000	P=1.000	P=0.322
HISTCONT ALL RTES	P=0.161	P=1.000	P=0.448	P=0.109
CURR VS HC SAME RTE	P=0.706			
CURR VS HC ALL RTES	P=0.484			

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 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

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 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/14/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Testes</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	2/40.02	0/43.38	1/43.98	0/17.92
POLY-3 PERCENT (g)	5%	0%	2.3%	0%
TERMINAL (d)	2/29 (7%)	0/33 (0%)	1/31 (3%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	8/950 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.457N	P=0.219N	P=0.467N	P=0.437N
POLY 1.5	P=0.395N	P=0.225N	P=0.478N	P=0.337N
POLY 6	P=0.627N	P=0.213N	P=0.453N	P=0.583N
COCH-ARM / FISHERS	P=0.312N	P=0.247N	P=0.500N	P=0.253N
MAX-ISO-POLY-3	P=0.374N	P=0.075N	P=0.262N	P=0.259N
HISTCONT SAME RTE	P=0.639	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.666	P=1.000	P=0.451	P=1.000
CURR VS HC SAME RTE	P=0.051			
CURR VS HC ALL RTES	P=0.025*			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Thyroid Gland: Follicular Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	1/40.02	1/42.85	2/43.98	0/18.16
POLY-3 PERCENT (g)	2.5%	2.3%	4.6%	0%
TERMINAL (d)	1/29 (3%)	1/33 (3%)	2/31 (7%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	1/249 (0%)			
HC TUMORS ALL ROUTES	7/944 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.597N	P=0.745N	P=0.533	P=0.638N
POLY 1.5	P=0.467N	P=0.751N	P=0.522	P=0.575N
POLY 6	P=0.512	P=0.738N	P=0.547	P=0.714N
COCH-ARM / FISHERS	P=0.333N	P=0.747	P=0.500	P=0.505N
MAX-ISO-POLY-3	P=0.541N	P=0.480N	P=0.316	P=0.323N
HISTCONT SAME RTE	P=0.396	P=0.324	P=0.045*	P=1.000
HISTCONT ALL RTES	P=0.245	P=0.388	P=0.008**	P=1.000
CURR VS HC SAME RTE	P=0.095			
CURR VS HC ALL RTES	P=0.312			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	1/40.02	1/42.85	2/43.98	0/18.16
POLY-3 PERCENT (g)	2.5%	2.3%	4.6%	0%
TERMINAL (d)	1/29 (3%)	1/33 (3%)	2/31 (7%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	1/249 (0%)			
HC TUMORS ALL ROUTES	8/944 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.597N	P=0.745N	P=0.533	P=0.638N
POLY 1.5	P=0.467N	P=0.751N	P=0.522	P=0.575N
POLY 6	P=0.512	P=0.738N	P=0.547	P=0.714N
COCH-ARM / FISHERS	P=0.333N	P=0.747	P=0.500	P=0.505N
MAX-ISO-POLY-3	P=0.541N	P=0.480N	P=0.316	P=0.323N
HISTCONT SAME RTE	P=0.396	P=0.324	P=0.045*	P=1.000
HISTCONT ALL RTES	P=0.331	P=0.450	P=0.022*	P=1.000
CURR VS HC SAME RTE	P=0.095			
CURR VS HC ALL RTES	P=0.377			

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 Species/Strain: MICE/B6C3F1

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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/40.45	1/43.38	0/43.98	0/18.16
POLY-3 PERCENT (g)	2.5%	2.3%	0%	0%
TERMINAL (d)	0/29 (0%)	1/33 (3%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	606	729 (T)	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	11/950 (1%)			
<b>STATISTICAL TESTS</b>				
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)			



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 Route: GAVAGE  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	5/50 (10%)	7/50 (14%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	5/40.21	7/43.38	1/44.78	0/18.16
POLY-3 PERCENT (g)	12.4%	16.1%	2.2%	0%
TERMINAL (d)	4/29 (14%)	7/33 (21%)	0/31 (0%)	0/0 (0%)
FIRST INCIDENCE	680	729 (T)	431	---
HC TUMORS SAME ROUTE	13/250 (5%)			
HC TUMORS ALL ROUTES	48/950 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.020N*	P=0.433	P=0.078N	P=0.175N
POLY 1.5	P=0.015N*	P=0.418	P=0.085N	P=0.081N
POLY 6	P=0.017N*	P=0.449	P=0.070N	P=0.403N
COCH-ARM / FISHERS	P=0.007N**	P=0.380	P=0.102N	P=0.028N*
MAX-ISO-POLY-3	P=0.033N*	P=0.321	P=0.039N*	P=0.142N
HISTCONT SAME RTE	P=0.721	P=0.015*	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.692	P<0.001**	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.148			
CURR VS HC ALL RTES	P=0.094			

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	30/50 (60%)	39/50 (78%)	49/50 (98%)	41/50 (82%)
POLY-3 RATE (b)	30/44.19	39/48.01	49/49.59	41/43.55
POLY-3 PERCENT (g)	67.9%	81.2%	98.8%	94.1%
TERMINAL (d)	21/29 (72%)	29/33 (88%)	31/31 (100%)	0/0 (0%)
FIRST INCIDENCE	298	428	431	442
HC TUMORS SAME ROUTE	179/250 (72%)			
HC TUMORS ALL ROUTES	715/950 (75%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.094	P<0.001**	P<0.001**
POLY 1.5	P=0.003**	P=0.073	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.131	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.056	P=0.041*	P<0.001**	P=0.013*
MAX-ISO-POLY-3	P<0.001**	P=0.065	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.017*	P=0.242	P=0.002**	P=0.005**
HISTCONT ALL RTES	P=0.008**	P=0.496	P<0.001**	P=0.010**
CURR VS HC SAME RTE	P=0.090			
CURR VS HC ALL RTES	P=0.042*			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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 Lab: SRI

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	27/50 (54%)	25/50 (50%)	37/50 (74%)	45/50 (90%)
POLY-3 RATE (b)	27/45.39	25/45.70	37/47.66	45/46.05
POLY-3 PERCENT (g)	59.5%	54.7%	77.6%	97.7%
TERMINAL (d)	14/29 (48%)	18/33 (55%)	25/31 (81%)	0/0 (0%)
FIRST INCIDENCE	491	540	431	451
HC TUMORS SAME ROUTE	144/250 (58%)			
HC TUMORS ALL ROUTES	593/950 (62%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.400N	P=0.041*	P<0.001**
POLY 1.5	P<0.001**	P=0.384N	P=0.042*	P<0.001**
POLY 6	P<0.001**	P=0.431N	P=0.039*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.421N	P=0.030*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.320N	P=0.027*	P<0.001**
HISTCONT SAME RTE	P=0.007**	P=1.000	P=0.051	P=0.006**
HISTCONT ALL RTES	P<0.001**	P=1.000	P=0.054	P<0.001**
CURR VS HC SAME RTE	P=0.873			
CURR VS HC ALL RTES	P=0.456			

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

DOSE	Males			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	40/50 (80%)	46/50 (92%)	49/50 (98%)	48/50 (96%)
POLY-3 RATE (b)	40/47.62	46/49.01	49/49.59	48/48.00
POLY-3 PERCENT (g)	84%	93.9%	98.8%	100%
TERMINAL (d)	23/29 (79%)	32/33 (97%)	31/31 (100%)	0/0 (0%)
FIRST INCIDENCE	298	428	431	442
HC TUMORS SAME ROUTE	231/250 (92%)			
HC TUMORS ALL ROUTES	891/950 (94%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.005**	P=0.096	P=0.007**	P=0.003**
POLY 1.5	P=0.004**	P=0.101	P=0.007**	P=0.002**
POLY 6	P=0.008**	P=0.091	P=0.008**	P=0.005**
COCH-ARM / FISHERS	P=0.035*	P=0.074	P=0.004**	P=0.014*
MAX-ISO-POLY-3	P<0.001**	P=0.052	P=0.002**	P<0.001**
HISTCONT SAME RTE	P=0.068	P=1.000	P=0.138	P=0.085
HISTCONT ALL RTES	P=0.053	P=1.000	P=0.125	P=0.056
CURR VS HC SAME RTE	P=0.009**			
CURR VS HC ALL RTES	P<0.001**			

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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Adrenal Cortex</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/49 (4%)	0/47 (0%)
POLY-3 RATE (b)	0/43.26	0/44.47	2/44.67	0/18.79
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	2/36 (6%)	0/0 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	2/249 (1%)			
HC TUMORS ALL ROUTES	6/945 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.332	(e)	P=0.244	(e)
POLY 1.5	P=0.569	(e)	P=0.240	(e)
POLY 6	P=0.137	(e)	P=0.249	(e)
COCH-ARM / FISHERS	P=0.707N	(e)	P=0.242	(e)
MAX-ISO-POLY-3	P=0.438	(e)	P=0.084	(e)
HISTCONT SAME RTE	P=0.509	(e)	P=0.124	(e)
HISTCONT ALL RTES	P=0.257	(e)	P=0.011*	(e)
CURR VS HC SAME RTE	P=0.577			
CURR VS HC ALL RTES	P=0.613			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	9/50 (18%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	9/43.53	1/44.47	4/45.87	2/20.78
POLY-3 PERCENT (g)	20.7%	2.3%	8.7%	9.6%
TERMINAL (d)	8/33 (24%)	1/35 (3%)	3/37 (8%)	0/0 (0%)
FIRST INCIDENCE	656	729 (T)	677	542
HC TUMORS SAME ROUTE	16/250 (6%)			
HC TUMORS ALL ROUTES	60/950 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.379N	P=0.007N**	P=0.095N	P=0.251N
POLY 1.5	P=0.266N	P=0.007N**	P=0.102N	P=0.093N
POLY 6	P=0.474N	P=0.007N**	P=0.086N	P=0.599N
COCH-ARM / FISHERS	P=0.130N	P=0.008N**	P=0.117N	P=0.026N*
MAX-ISO-POLY-3	P=0.210N	P=0.003N**	P=0.058N	P=0.220N
HISTCONT SAME RTE	P=0.506	P=1.000	P=0.451	P=1.000
HISTCONT ALL RTES	P=0.557	P=1.000	P=0.427	P=0.494
CURR VS HC SAME RTE	P=0.006**			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	10/50 (20%)	2/50 (4%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	10/43.53	2/44.64	5/45.87	2/20.78
POLY-3 PERCENT (g)	23%	4.5%	10.9%	9.6%
TERMINAL (d)	9/33 (27%)	1/35 (3%)	4/37 (11%)	0/0 (0%)
FIRST INCIDENCE	656	684	677	542
HC TUMORS SAME ROUTE	18/250 (7%)			
HC TUMORS ALL ROUTES	79/950 (8%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.315N	P=0.011N*	P=0.105N	P=0.197N
POLY 1.5	P=0.192N	P=0.012N*	P=0.114N	P=0.061N
POLY 6	P=0.444N	P=0.011N*	P=0.095N	P=0.554N
COCH-ARM / FISHERS	P=0.075N	P=0.014N*	P=0.131N	P=0.014N*
MAX-ISO-POLY-3	P=0.226N	P=0.005N**	P=0.067N	P=0.182N
HISTCONT SAME RTE	P=0.497	P=1.000	P=0.325	P=1.000
HISTCONT ALL RTES	P=0.701	P=1.000	P=0.432	P=1.000
CURR VS HC SAME RTE	P=0.005**			
CURR VS HC ALL RTES	P=0.003**			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Intestine Small: Site Unspecified Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.26	0/44.47	1/45.67	0/19.60
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	1/37 (3%)	0/0 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	10/950 (1%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Islets, Pancreatic Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	0/48 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.26	0/43.31	2/46.03	0/19.60
POLY-3 PERCENT (g)	2.3%	0%	4.4%	0%
TERMINAL (d)	1/33 (3%)	0/35 (0%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	---	677	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	9/944 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.537	P=0.500N	P=0.522	P=0.638N
POLY 1.5	P=0.605N	P=0.501N	P=0.513	P=0.573N
POLY 6	P=0.355	P=0.497N	P=0.532	P=0.713N
COCH-ARM / FISHERS	P=0.467N	P=0.510N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.561N	P=0.161N	P=0.304	P=0.324N
HISTCONT SAME RTE	P=0.327	P=1.000	P=0.045*	P=1.000
HISTCONT ALL RTEs	P=0.395	P=1.000	P=0.026*	P=1.000
CURR VS HC SAME RTE	P=0.096			
CURR VS HC ALL RTEs	P=0.462			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Kidney: Renal Tubule Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/43.26	0/44.47	0/45.28	0/19.10
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/947 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.26	0/43.68	0/45.67	0/19.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	4/948 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	5/50 (10%)	7/49 (14%)	32/50 (64%)	46/49 (94%)
POLY-3 RATE (b)	5/43.26	7/43.68	32/47.07	46/46.98
POLY-3 PERCENT (g)	11.6%	16%	68%	97.9%
TERMINAL (d)	5/33 (15%)	7/35 (20%)	26/37 (70%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	563	432
HC TUMORS SAME ROUTE	62/250 (25%)			
HC TUMORS ALL ROUTES	378/948 (40%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.385	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.383	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.391	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.365	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.276	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=1.000	P=0.004**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=1.000	P=0.039*	P<0.001**
CURR VS HC SAME RTE	P=0.054			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	4/50 (8%)	2/49 (4%)	6/50 (12%)	27/49 (55%)
POLY-3 RATE (b)	4/43.39	2/43.75	6/46.28	27/35.78
POLY-3 PERCENT (g)	9.2%	4.6%	13%	75.5%
TERMINAL (d)	3/33 (9%)	1/35 (3%)	4/37 (11%)	0/0 (0%)
FIRST INCIDENCE	696	712	598	432
HC TUMORS SAME ROUTE	26/250 (10%)			
HC TUMORS ALL ROUTES	152/948 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.333N	P=0.411	P<0.001**
POLY 1.5	P<0.001**	P=0.335N	P=0.395	P<0.001**
POLY 6	P<0.001**	P=0.329N	P=0.430	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.349N	P=0.370	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.199N	P=0.294	P<0.001**
HISTCONT SAME RTE	P=0.004**	P=1.000	P=0.480	P=0.002**
HISTCONT ALL RTES	P<0.001**	P=1.000	P=1.000	P<0.001**
CURR VS HC SAME RTE	P=0.694			
CURR VS HC ALL RTES	P=0.167			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	4/50 (8%)	2/49 (4%)	6/50 (12%)	27/49 (55%)
POLY-3 RATE (b)	4/43.39	2/43.75	6/46.28	27/35.78
POLY-3 PERCENT (g)	9.2%	4.6%	13%	75.5%
TERMINAL (d)	3/33 (9%)	1/35 (3%)	4/37 (11%)	0/0 (0%)
FIRST INCIDENCE	696	712	598	432
HC TUMORS SAME ROUTE	27/250 (11%)			
HC TUMORS ALL ROUTES	155/948 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.333N	P=0.411	P<0.001**
POLY 1.5	P<0.001**	P=0.335N	P=0.395	P<0.001**
POLY 6	P<0.001**	P=0.329N	P=0.430	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.349N	P=0.370	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.199N	P=0.294	P<0.001**
HISTCONT SAME RTE	P=0.005**	P=1.000	P=1.000	P=0.002**
HISTCONT ALL RTES	P=0.002**	P=1.000	P=1.000	P<0.001**
CURR VS HC SAME RTE	P=0.655			
CURR VS HC ALL RTES	P=0.153			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	8/49 (16%)	33/50 (66%)	47/49 (96%)
POLY-3 RATE (b)	8/43.39	8/43.75	33/47.52	47/47.57
POLY-3 PERCENT (g)	18.4%	18.3%	69.5%	98.8%
TERMINAL (d)	7/33 (21%)	7/35 (20%)	26/37 (70%)	0/0 (0%)
FIRST INCIDENCE	696	712	563	432
HC TUMORS SAME ROUTE	77/250 (31%)			
HC TUMORS ALL ROUTES	448/948 (47%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.602N	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.603N	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.596N	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.590	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.492N	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=1.000	P=0.006**	P<0.001**
HISTCONT ALL RTES	P=0.003**	P=1.000	P=0.099	P<0.001**
CURR VS HC SAME RTE	P=0.077			
CURR VS HC ALL RTES	P<0.001**			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	8/49 (16%)	33/50 (66%)	47/49 (96%)
POLY-3 RATE (b)	8/43.39	8/43.75	33/47.52	47/47.57
POLY-3 PERCENT (g)	18.4%	18.3%	69.5%	98.8%
TERMINAL (d)	7/33 (21%)	7/35 (20%)	26/37 (70%)	0/0 (0%)
FIRST INCIDENCE	696	712	563	432
HC TUMORS SAME ROUTE	77/250 (31%)			
HC TUMORS ALL ROUTES	448/948 (47%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.602N	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.603N	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.596N	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.590	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.492N	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=1.000	P=0.006**	P<0.001**
HISTCONT ALL RTES	P=0.003**	P=1.000	P=0.099	P<0.001**
CURR VS HC SAME RTE	P=0.077			
CURR VS HC ALL RTES	P<0.001**			



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	5/50 (10%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/43.26	5/44.69	3/45.87	0/19.60
POLY-3 PERCENT (g)	2.3%	11.2%	6.5%	0%
TERMINAL (d)	1/33 (3%)	3/35 (9%)	2/37 (5%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	687	677	---
HC TUMORS SAME ROUTE	10/250 (4%)			
HC TUMORS ALL ROUTES	54/949 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.309N	P=0.108	P=0.327	P=0.638N
POLY 1.5	P=0.185N	P=0.108	P=0.319	P=0.573N
POLY 6	P=0.556N	P=0.110	P=0.337	P=0.713N
COCH-ARM / FISHERS	P=0.089N	P=0.102	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.417N	P=0.051	P=0.176	P=0.324N
HISTCONT SAME RTE	P=0.636	P=0.075	P=0.391	P=1.000
HISTCONT ALL RTES	P=0.742	P=0.114	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.565			
CURR VS HC ALL RTES	P=0.290			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/43.26	1/44.47	1/45.67	0/19.60
POLY-3 PERCENT (g)	0%	2.3%	2.2%	0%
TERMINAL (d)	0/33 (0%)	1/35 (3%)	1/37 (3%)	0/0 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	6/250 (2%)			
HC TUMORS ALL ROUTES	38/949 (4%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	6/50 (12%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	1/43.26	6/44.69	4/45.87	0/19.60
POLY-3 PERCENT (g)	2.3%	13.4%	8.7%	0%
TERMINAL (d)	1/33 (3%)	4/35 (11%)	3/37 (8%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	687	677	---
HC TUMORS SAME ROUTE	16/250 (6%)			
HC TUMORS ALL ROUTES	90/949 (10%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.322N	P=0.061	P=0.197	P=0.638N
POLY 1.5	P=0.170N	P=0.060	P=0.190	P=0.573N
POLY 6	P=0.620N	P=0.062	P=0.206	P=0.713N
COCH-ARM / FISHERS	P=0.069N	P=0.056	P=0.181	P=0.500N
MAX-ISO-POLY-3	P=0.385N	P=0.028*	P=0.101	P=0.324N
HISTCONT SAME RTE	P=0.683	P=0.089	P=0.446	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.329	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.262			
CURR VS HC ALL RTES	P=0.081			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Ovary</b>				
<b>Cystadenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/48 (4%)	1/49 (2%)	3/50 (6%)	0/48 (0%)
POLY-3 RATE (b)	2/41.26	1/43.47	3/45.67	0/19.10
POLY-3 PERCENT (g)	4.9%	2.3%	6.6%	0%
TERMINAL (d)	2/31 (7%)	1/34 (3%)	3/37 (8%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	11/249 (4%)			
HC TUMORS ALL ROUTES	43/939 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.540N	P=0.482N	P=0.546	P=0.429N
POLY 1.5	P=0.382N	P=0.483N	P=0.536	P=0.326N
POLY 6	P=0.459	P=0.479N	P=0.558	P=0.579N
COCH-ARM / FISHERS	P=0.233N	P=0.492N	P=0.520	P=0.247N
MAX-ISO-POLY-3	P=0.470N	P=0.269N	P=0.370	P=0.254N
HISTCONT SAME RTE	P=0.769	P=1.000	P=0.445	P=1.000
HISTCONT ALL RTES	P=1.000	P=1.000	P=0.452	P=1.000
CURR VS HC SAME RTE	P=0.994			
CURR VS HC ALL RTES	P=0.938			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	5/50 (10%)	5/47 (11%)	8/46 (17%)	0/45 (0%)
POLY-3 RATE (b)	5/43.26	5/43.13	8/43.42	0/17.90
POLY-3 PERCENT (g)	11.6%	11.6%	18.4%	0%
TERMINAL (d)	5/33 (15%)	5/35 (14%)	7/36 (19%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	563	---
HC TUMORS SAME ROUTE	10/247 (4%)			
HC TUMORS ALL ROUTES	72/933 (8%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.408N	P=0.629	P=0.277	P=0.196N
POLY 1.5	P=0.161N	P=0.619	P=0.255	P=0.095N
POLY 6	P=0.342	P=0.621N	P=0.304	P=0.419N
COCH-ARM / FISHERS	P=0.037N*	P=0.590	P=0.224	P=0.037N*
MAX-ISO-POLY-3	P=0.299N	P=0.497	P=0.191	P=0.158N
HISTCONT SAME RTE	P=0.351	P=0.065	P=0.011*	P=1.000
HISTCONT ALL RTES	P=0.576	P=0.347	P=0.031*	P=1.000
CURR VS HC SAME RTE	P=0.079			
CURR VS HC ALL RTES	P=0.524			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Pituitary Gland: Pars Intermedia Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	2/47 (4%)	0/46 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/43.26	2/43.19	0/42.88	0/17.90
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/33 (0%)	1/35 (3%)	0/36 (0%)	0/0 (0%)
FIRST INCIDENCE	---	715	---	---
HC TUMORS SAME ROUTE	3/247 (1%)			
HC TUMORS ALL ROUTES	7/933 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.333N	P=0.237	(e)	(e)
POLY 1.5	P=0.346N	P=0.233	(e)	(e)
POLY 6	P=0.393N	P=0.241	(e)	(e)
COCH-ARM / FISHERS	P=0.341N	P=0.232	(e)	(e)
MAX-ISO-POLY-3	P=0.529N	P=0.079	(e)	(e)
HISTCONT SAME RTE	P=0.713	P=0.102	(e)	(e)
HISTCONT ALL RTES	P=0.639	P=0.014*	(e)	(e)
CURR VS HC SAME RTE	P=0.408			
CURR VS HC ALL RTES	P=0.608			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skeletal Muscle</b>				
<b>Rhabdomyosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.60	2/44.92	2/46.49	0/19.60
POLY-3 PERCENT (g)	2.3%	4.5%	4.3%	0%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	632	618	563	---
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	6/950 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.472N	P=0.510	P=0.522	P=0.639N
POLY 1.5	P=0.351N	P=0.509	P=0.514	P=0.574N
POLY 6	P=0.627	P=0.513	P=0.532	P=0.713N
COCH-ARM / FISHERS	P=0.232N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.513N	P=0.292	P=0.305	P=0.326N
HISTCONT SAME RTE	P=0.607	P=0.235	P=0.243	P=1.000
HISTCONT ALL RTES	P=0.372	P=0.037*	P=0.039*	P=1.000
CURR VS HC SAME RTE	P=0.819			
CURR VS HC ALL RTES	P=0.265			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.73	2/44.47	0/45.67	0/19.60
POLY-3 PERCENT (g)	2.3%	4.5%	0%	0%
TERMINAL (d)	0/33 (0%)	2/35 (6%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	589	729 (T)	---	---
HC TUMORS SAME ROUTE	7/250 (3%)			
HC TUMORS ALL ROUTES	43/950 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.213N	P=0.506	P=0.491N	P=0.639N
POLY 1.5	P=0.220N	P=0.507	P=0.494N	P=0.574N
POLY 6	P=0.235N	P=0.505	P=0.488N	P=0.714N
COCH-ARM / FISHERS	P=0.198N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.350N	P=0.287	P=0.158N	P=0.326N
HISTCONT SAME RTE	P=1.000	P=0.484	P=1.000	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.786			
CURR VS HC ALL RTES	P=0.429			



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.73	2/44.47	0/45.67	0/19.60
POLY-3 PERCENT (g)	2.3%	4.5%	0%	0%
TERMINAL (d)	0/33 (0%)	2/35 (6%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	589	729 (T)	---	---
HC TUMORS SAME ROUTE	7/250 (3%)			
HC TUMORS ALL ROUTES	43/950 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.213N	P=0.506	P=0.491N	P=0.639N
POLY 1.5	P=0.220N	P=0.507	P=0.494N	P=0.574N
POLY 6	P=0.235N	P=0.505	P=0.488N	P=0.714N
COCH-ARM / FISHERS	P=0.198N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.350N	P=0.287	P=0.158N	P=0.326N
HISTCONT SAME RTE	P=1.000	P=0.484	P=1.000	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.786			
CURR VS HC ALL RTES	P=0.429			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
<b>Lipoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.26	0/44.47	0/45.67	0/19.60
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	0/950 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Skin</b>				
<b>Mast Cell Tumor Benign</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.26	0/44.47	0/45.67	2/20.78
POLY-3 PERCENT (g)	0%	0%	0%	9.6%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	0/37 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	542
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	2/950 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.025*	(e)	(e)	P=0.121
POLY 1.5	P=0.027*	(e)	(e)	P=0.169
POLY 6	P=0.117	(e)	(e)	P=0.080
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	P=0.072
HISTCONT SAME RTE	P=0.086	(e)	(e)	P=0.061
HISTCONT ALL RTES	P=0.013*	(e)	(e)	P=0.002**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.547			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/43.26	3/44.62	1/45.67	2/20.78
POLY-3 PERCENT (g)	0%	6.7%	2.2%	9.6%
TERMINAL (d)	0/33 (0%)	2/35 (6%)	1/37 (3%)	0/0 (0%)
FIRST INCIDENCE	---	690	729 (T)	542
HC TUMORS SAME ROUTE	7/250 (3%)			
HC TUMORS ALL ROUTES	15/950 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.279	P=0.124	P=0.511	P=0.121
POLY 1.5	P=0.354	P=0.124	P=0.507	P=0.169
POLY 6	P=0.372	P=0.125	P=0.516	P=0.080
COCH-ARM / FISHERS	P=0.482	P=0.121	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.195	P=0.042*	P=0.172	P=0.072
HISTCONT SAME RTE	P=0.298	P=0.169	P=1.000	P=0.217
HISTCONT ALL RTES	P=0.123	P=0.010**	P=1.000	P=0.059
CURR VS HC SAME RTE	P=0.249			
CURR VS HC ALL RTES	P=0.399			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Thyroid Gland: Follicular Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/48 (0%)	0/47 (0%)
POLY-3 RATE (b)	1/43.26	0/43.47	0/44.18	0/18.79
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/33 (3%)	0/34 (0%)	0/36 (0%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	1/249 (0%)			
HC TUMORS ALL ROUTES	2/942 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	0/48 (0%)	0/47 (0%)
POLY-3 RATE (b)	1/43.26	1/43.47	0/44.18	0/18.79
POLY-3 PERCENT (g)	2.3%	2.3%	0%	0%
TERMINAL (d)	1/33 (3%)	1/34 (3%)	0/36 (0%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
HC TUMORS SAME ROUTE	1/249 (0%)			
HC TUMORS ALL ROUTES	4/942 (0%)			
<b>STATISTICAL TESTS</b>				
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: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>Uterus</b>				
<b>Polyp Stromal</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	0/43.26	2/44.47	4/45.69	0/19.60
POLY-3 PERCENT (g)	0%	4.5%	8.8%	0%
TERMINAL (d)	0/33 (0%)	2/35 (6%)	3/37 (8%)	0/0 (0%)
FIRST INCIDENCE	---	729 (T)	726	---
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	22/950 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.409	P=0.243	P=0.067	(e)
POLY 1.5	P=0.561N	P=0.243	P=0.065	(e)
POLY 6	P=0.134	P=0.244	P=0.071	(e)
COCH-ARM / FISHERS	P=0.346N	P=0.247	P=0.059	(e)
MAX-ISO-POLY-3	P=0.389	P=0.082	P=0.025*	(e)
HISTCONT SAME RTE	P=0.333	P=0.170	P=0.019*	(e)
HISTCONT ALL RTES	P=0.342	P=0.357	P=0.010**	(e)
CURR VS HC SAME RTE	P=0.499			
CURR VS HC ALL RTES	P=0.305			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
 Time Report Requested: 07:47:55  
 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.26	3/45.93	1/45.67	1/20.35
POLY-3 PERCENT (g)	2.3%	6.5%	2.2%	4.9%
TERMINAL (d)	1/33 (3%)	0/35 (0%)	1/37 (3%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	522	729 (T)	459
HC TUMORS SAME ROUTE	6/250 (2%)			
HC TUMORS ALL ROUTES	23/950 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.537N	P=0.327	P=0.748N	P=0.575
POLY 1.5	P=0.491N	P=0.321	P=0.753N	P=0.673
POLY 6	P=0.581N	P=0.335	P=0.743N	P=0.431
COCH-ARM / FISHERS	P=0.396N	P=0.309	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.594	P=0.177	P=0.484N	P=0.351
HISTCONT SAME RTE	P=0.576	P=0.127	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.537	P=0.037*	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.917			
CURR VS HC ALL RTES	P=0.877			



Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/14/2014  
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 First Dose M/F: 02/25/08 / 02/25/08  
 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	7/50 (14%)	6/50 (12%)	6/50 (12%)	1/50 (2%)
POLY-3 RATE (b)	7/44.29	6/45.28	6/45.67	1/20.29
POLY-3 PERCENT (g)	15.8%	13.3%	13.1%	4.9%
TERMINAL (d)	3/33 (9%)	5/35 (14%)	6/37 (16%)	0/0 (0%)
FIRST INCIDENCE	593	421	729 (T)	496
HC TUMORS SAME ROUTE	47/250 (19%)			
HC TUMORS ALL ROUTES	225/950 (24%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.232N	P=0.483N	P=0.476N	P=0.234N
POLY 1.5	P=0.103N	P=0.481N	P=0.483N	P=0.095N
POLY 6	P=0.460N	P=0.489N	P=0.472N	P=0.533N
COCH-ARM / FISHERS	P=0.026N*	P=0.500N	P=0.500N	P=0.030N*
MAX-ISO-POLY-3	P=0.372N	P=0.367N	P=0.361N	P=0.200N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.502			
CURR VS HC ALL RTES	P=0.135			

Experiment Number: 20209 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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 Lab: SRI

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	24/50 (48%)	20/50 (40%)	38/50 (76%)	46/50 (92%)
POLY-3 RATE (b)	24/43.97	20/44.84	38/47.28	46/47.10
POLY-3 PERCENT (g)	54.6%	44.6%	80.4%	97.7%
TERMINAL (d)	22/33 (67%)	17/35 (49%)	30/37 (81%)	0/0 (0%)
FIRST INCIDENCE	601	687	563	432
HC TUMORS SAME ROUTE	114/250 (46%)			
HC TUMORS ALL ROUTES	531/950 (56%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.228N	P=0.005**	P<0.001**
POLY 1.5	P<0.001**	P=0.233N	P=0.004**	P<0.001**
POLY 6	P<0.001**	P=0.218N	P=0.008**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.273N	P=0.004**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.171N	P=0.003**	P<0.001**
HISTCONT SAME RTE	P=0.003**	P=1.000	P=0.007**	P=0.002**
HISTCONT ALL RTES	P=0.002**	P=1.000	P=0.030*	P<0.001**
CURR VS HC SAME RTE	P=0.518			
CURR VS HC ALL RTES	P=0.443			

Experiment Number: 20209 - 04  
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 Species/Strain: MICE/B6C3F1

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	16/50 (32%)	15/50 (30%)	15/50 (30%)	31/50 (62%)
POLY-3 RATE (b)	16/45.24	15/47.43	15/47.09	31/38.52
POLY-3 PERCENT (g)	35.4%	31.6%	31.9%	80.5%
TERMINAL (d)	9/33 (27%)	7/35 (20%)	11/37 (30%)	0/0 (0%)
FIRST INCIDENCE	589	421	563	432
HC TUMORS SAME ROUTE	105/250 (42%)			
HC TUMORS ALL ROUTES	508/950 (54%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.436N	P=0.446N	P<0.001**
POLY 1.5	P<0.001**	P=0.447N	P=0.463N	P<0.001**
POLY 6	P<0.001**	P=0.427N	P=0.431N	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.500N	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.354N	P=0.362N	P<0.001**
HISTCONT SAME RTE	P=0.051	P=1.000	P=1.000	P=0.015*
HISTCONT ALL RTES	P=0.201	P=1.000	P=1.000	P=0.051
CURR VS HC SAME RTE	P=0.303			
CURR VS HC ALL RTES	P=0.007**			

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 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

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

DOSE	Females			
	0 MG/KG	3 MG/KG	30 MG/KG	100 MG/KG
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	34/50 (68%)	30/50 (60%)	41/50 (82%)	49/50 (98%)
POLY-3 RATE (b)	34/45.68	30/47.74	41/47.73	49/49.13
POLY-3 PERCENT (g)	74.4%	62.8%	85.9%	99.7%
TERMINAL (d)	26/33 (79%)	20/35 (57%)	32/37 (87%)	0/0 (0%)
FIRST INCIDENCE	589	421	563	432
HC TUMORS SAME ROUTE	171/250 (68%)			
HC TUMORS ALL ROUTES	751/950 (79%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.156N	P=0.118	P<0.001**
POLY 1.5	P<0.001**	P=0.176N	P=0.100	P<0.001**
POLY 6	P<0.001**	P=0.138N	P=0.143	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.266N	P=0.083	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.112N	P=0.077	P<0.001**
HISTCONT SAME RTE	P=0.009**	P=1.000	P=0.046*	P=0.007**
HISTCONT ALL RTES	P=0.047*	P=1.000	P=0.373	P=0.018*
CURR VS HC SAME RTE	P=0.652			
CURR VS HC ALL RTES	P=0.191			

Experiment Number: 20209 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

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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 \*\*\*