

**Experiment Number:** 20209 - 03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/Wistar Han

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

**Date Report Requested:** 08/05/2014  
**Time Report Requested:** 10:18:12  
**First Dose M/F:** 08/26/08 / 08/26/08  
**Lab:** SRI

F\_Core\_RE

<b>NTP Study Number:</b>	C20209		
<b>Lock Date:</b>	08/31/2011		
<b>Cage Range:</b>	ALL		
<b>Date Range:</b>	ALL		
<b>Reasons For Removal:</b>	25021 TSAC	25020 NATD	25019 MSAC
	25018 DACC		
<b>Removal Date Range:</b>	ALL		
<b>Treatment Groups:</b>	Include ALL		
<b>Study Gender:</b>	Both		
<b>TDMSE Version:</b>	3.0.2.1_001		
<b>PWG Approval Date:</b>	NONE		

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## **HISTORICAL CONTROL STUDIES**

**From June 2013 report**

### **SAME ROUTE**

20320-03 -- Tetrabromobisphenol A (GAVAGE CORN OIL)

### **ALL ROUTES**

20203-03 -- Green tea extract (GAVAGE WATER)

20515-03 -- Metal working fluids (CIMSTAR 3800) (INHALATION AIR)

20320-03 -- Tetrabromobisphenol A (GAVAGE CORN OIL)

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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 Medulla

Brain

Islets, Pancreatic

Liver

Lung

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Testes

Thymus

Thyroid Gland

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

### MALE RATS

#### Organ

Islets, Pancreatic  
Liver

Lung  
Lymph Node, Mesenteric  
Mammary Gland

Parathyroid Gland  
Pituitary Gland: Pars Distalis or Unspecified Site  
Thyroid Gland: Follicular Cell

All Organs

#### Morphology

Carcinoma or Adenoma  
Hepatocellular Adenoma  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma or Hepatocellular Adenoma  
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma  
Hepatocholangioma  
Alveolar/Bronchiolar Adenoma  
Hemangiosarcoma  
Fibroadenoma  
Fibroma, Fibroadenoma or Adenoma  
Fibroma, Fibroadenoma, Carcinoma, or Adenoma  
Adenoma  
Adenoma  
Adenoma  
Carcinoma or Adenoma  
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type  
Benign Tumors  
Malignant and Benign Tumors

### FEMALE RATS

#### Organ

Liver

Mammary Gland  
All Organs

#### Morphology

Cholangiocarcinoma  
Hepatocellular Adenoma  
Hepatocellular Carcinoma  
Hepatocellular Carcinoma or Hepatocellular Adenoma  
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma  
Hepatocholangioma  
Carcinoma  
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type  
Benign Tumors  
Malignant Tumors  
Malignant and Benign Tumors

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

Experiment Number: 20209 - 03  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Adrenal Medulla</b>				
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/49 (2%)	1/48 (2%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/42.38	1/41.16	1/43.29	0/38.75
POLY-3 PERCENT (g)	2.4%	2.4%	2.3%	0%
TERMINAL (d)	1/36 (3%)	1/35 (3%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/49 (0%)			
HC TUMORS ALL ROUTES	5/149 (3%)			
<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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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Brain</b>				
<b>Glioma Malignant</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/49 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/42.61	0/41.85	2/43.52	0/39.30
POLY-3 PERCENT (g)	2.4%	0%	4.6%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	669	---	669	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.483N	P=0.504N	P=0.507	P=0.516N
POLY 1.5	P=0.467N	P=0.500N	P=0.511	P=0.505N
POLY 6	P=0.503N	P=0.506N	P=0.506	P=0.530N
COCH-ARM / FISHERS	P=0.456N	P=0.495N	P=0.508	P=0.495N
MAX-ISO-POLY-3	P=0.366N	P=0.164N	P=0.288	P=0.179N
HISTCONT SAME RTE	P=0.391	(e)	P=0.316	(e)
HISTCONT ALL RTES	P=0.390	P=1.000	P=0.135	P=1.000
CURR VS HC SAME RTE	P=0.415			
CURR VS HC ALL RTES	P=0.407			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Brain</b>				
<b>Granular Cell Tumor Benign</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/49 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/42.61	0/41.85	1/43.29	3/40.26
POLY-3 PERCENT (g)	2.4%	0%	2.3%	7.5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/38 (3%)	1/25 (4%)
FIRST INCIDENCE	669	---	729 (T)	558
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	3/150 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.071	P=0.504N	P=0.757N	P=0.285
POLY 1.5	P=0.075	P=0.500N	P=0.754N	P=0.300
POLY 6	P=0.065	P=0.506N	P=0.759N	P=0.267
COCH-ARM / FISHERS	P=0.079	P=0.495N	P=0.747N	P=0.316
MAX-ISO-POLY-3	P=0.086	P=0.164N	P=0.495N	P=0.147
HISTCONT SAME RTE	P=0.144	P=1.000	P=1.000	P=0.311
HISTCONT ALL RTES	P=0.098	P=1.000	P=1.000	P=0.130
CURR VS HC SAME RTE	P=0.761			
CURR VS HC ALL RTES	P=0.972			



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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Islets, Pancreatic Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	4/49 (8%)	2/49 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	4/42.73	2/41.16	2/43.29	1/39.30
POLY-3 PERCENT (g)	9.4%	4.9%	4.6%	2.5%
TERMINAL (d)	3/36 (8%)	2/35 (6%)	2/38 (5%)	1/25 (4%)
FIRST INCIDENCE	630	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.215N	P=0.354N	P=0.331N	P=0.204N
POLY 1.5	P=0.202N	P=0.347N	P=0.324N	P=0.187N
POLY 6	P=0.234N	P=0.359N	P=0.335N	P=0.228N
COCH-ARM / FISHERS	P=0.191N	P=0.339N	P=0.329N	P=0.175N
MAX-ISO-POLY-3	P=0.162N	P=0.218N	P=0.196N	P=0.109N
HISTCONT SAME RTE	P=0.345	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTEs	P=0.205	P=0.135	P=0.139	P=0.473
CURR VS HC SAME RTE	P=0.220			
CURR VS HC ALL RTEs	P=0.007**			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Islets, Pancreatic Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/49 (4%)	0/49 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.38	0/41.16	1/43.75	0/39.30
POLY-3 PERCENT (g)	4.7%	0%	2.3%	0%
TERMINAL (d)	2/36 (6%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	---	595	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.302N	P=0.243N	P=0.489N	P=0.254N
POLY 1.5	P=0.294N	P=0.241N	P=0.487N	P=0.242N
POLY 6	P=0.312N	P=0.244N	P=0.488N	P=0.269N
COCH-ARM / FISHERS	P=0.290N	P=0.247N	P=0.492N	P=0.242N
MAX-ISO-POLY-3	P=0.105N	P=0.082N	P=0.273N	P=0.093N
HISTCONT SAME RTE	P=0.394	(e)	P=1.000	(e)
HISTCONT ALL RTES	P=0.277	(e)	P=0.242	(e)
CURR VS HC SAME RTE	P=0.168			
CURR VS HC ALL RTES	P=0.013*			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Islets, Pancreatic Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	6/49 (12%)	2/49 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	6/42.73	2/41.16	3/43.75	1/39.30
POLY-3 PERCENT (g)	14%	4.9%	6.9%	2.5%
TERMINAL (d)	5/36 (14%)	2/35 (6%)	2/38 (5%)	1/25 (4%)
FIRST INCIDENCE	630	729 (T)	595	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.111N	P=0.144N	P=0.229N	P=0.069N
POLY 1.5	P=0.101N	P=0.140N	P=0.225N	P=0.060N
POLY 6	P=0.126N	P=0.147N	P=0.231N	P=0.083N
COCH-ARM / FISHERS	P=0.095N	P=0.134N	P=0.233N	P=0.053N
MAX-ISO-POLY-3	P=0.046N*	P=0.079N	P=0.139N	P=0.036N*
HISTCONT SAME RTE	P=0.374	P=1.000	P=0.328	P=1.000
HISTCONT ALL RTEs	P=0.216	P=0.135	P=0.066	P=0.473
CURR VS HC SAME RTE	P=0.057			
CURR VS HC ALL RTEs	P<0.001**			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Cholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.85	0/43.29	0/39.30
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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)			

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/49 (6%)	2/50 (4%)	4/50 (8%)	8/50 (16%)
POLY-3 RATE (b)	3/42.38	2/42.11	4/43.29	8/40.38
POLY-3 PERCENT (g)	7.1%	4.8%	9.2%	19.8%
TERMINAL (d)	3/36 (8%)	1/35 (3%)	4/38 (11%)	3/25 (12%)
FIRST INCIDENCE	729 (T)	658	729 (T)	595
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.016*	P=0.503N	P=0.512	P=0.081
POLY 1.5	P=0.019*	P=0.498N	P=0.517	P=0.094
POLY 6	P=0.013*	P=0.504N	P=0.509	P=0.070
COCH-ARM / FISHERS	P=0.022*	P=0.490N	P=0.511	P=0.106
MAX-ISO-POLY-3	P=0.026*	P=0.327N	P=0.358	P=0.047*
HISTCONT SAME RTE	P=0.083	P=0.313	P=0.229	P=0.182
HISTCONT ALL RTES	P=0.014*	P=0.078	P=0.034*	P=0.020*
CURR VS HC SAME RTE	P=0.078			
CURR VS HC ALL RTES	P=0.002**			

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.38	0/41.85	0/43.29	2/39.75
POLY-3 PERCENT (g)	0%	0%	0%	5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	1/25 (4%)
FIRST INCIDENCE	---	---	---	595
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.037*	(e)	(e)	P=0.223
POLY 1.5	P=0.039*	(e)	(e)	P=0.233
POLY 6	P=0.035*	(e)	(e)	P=0.211
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	P=0.076
HISTCONT SAME RTE	P=0.136	(e)	(e)	P=0.308
HISTCONT ALL RTES	P=0.044*	(e)	(e)	P=0.079
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

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 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/49 (6%)	2/50 (4%)	4/50 (8%)	9/50 (18%)
POLY-3 RATE (b)	3/42.38	2/42.11	4/43.29	9/40.38
POLY-3 PERCENT (g)	7.1%	4.8%	9.2%	22.3%
TERMINAL (d)	3/36 (8%)	1/35 (3%)	4/38 (11%)	4/25 (16%)
FIRST INCIDENCE	729 (T)	658	729 (T)	595
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006**	P=0.503N	P=0.512	P=0.047*
POLY 1.5	P=0.007**	P=0.498N	P=0.517	P=0.056
POLY 6	P=0.004**	P=0.504N	P=0.509	P=0.039*
COCH-ARM / FISHERS	P=0.009**	P=0.490N	P=0.511	P=0.065
MAX-ISO-POLY-3	P=0.009**	P=0.327N	P=0.358	P=0.026*
HISTCONT SAME RTE	P=0.083	P=0.313	P=0.229	P=0.176
HISTCONT ALL RTES	P=0.013*	P=0.078	P=0.034*	P=0.019*
CURR VS HC SAME RTE	P=0.078			
CURR VS HC ALL RTES	P=0.002**			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/49 (6%)	2/50 (4%)	4/50 (8%)	9/50 (18%)
POLY-3 RATE (b)	3/42.38	2/42.11	4/43.29	9/40.38
POLY-3 PERCENT (g)	7.1%	4.8%	9.2%	22.3%
TERMINAL (d)	3/36 (8%)	1/35 (3%)	4/38 (11%)	4/25 (16%)
FIRST INCIDENCE	729 (T)	658	729 (T)	595
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006**	P=0.503N	P=0.512	P=0.047*
POLY 1.5	P=0.007**	P=0.498N	P=0.517	P=0.056
POLY 6	P=0.004**	P=0.504N	P=0.509	P=0.039*
COCH-ARM / FISHERS	P=0.009**	P=0.490N	P=0.511	P=0.065
MAX-ISO-POLY-3	P=0.009**	P=0.327N	P=0.358	P=0.026*
HISTCONT SAME RTE	P=0.083	P=0.313	P=0.229	P=0.176
HISTCONT ALL RTES	P=0.013*	P=0.078	P=0.034*	P=0.019*
CURR VS HC SAME RTE	P=0.078			
CURR VS HC ALL RTES	P=0.002**			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocholangioma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.38	0/41.85	0/43.29	2/39.41
POLY-3 PERCENT (g)	0%	0%	0%	5.1%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	1/25 (4%)
FIRST INCIDENCE	---	---	---	701
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.037*	(e)	(e)	P=0.221
POLY 1.5	P=0.039*	(e)	(e)	P=0.232
POLY 6	P=0.035*	(e)	(e)	P=0.208
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	P=0.076
HISTCONT SAME RTE	P=0.136	(e)	(e)	P=0.307
HISTCONT ALL RTES	P=0.044*	(e)	(e)	P=0.079
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	3/41.85	0/43.29	0/39.30
POLY-3 PERCENT (g)	0%	7.2%	0%	0%
TERMINAL (d)	0/36 (0%)	3/35 (9%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.249N	P=0.116	(e)	(e)
POLY 1.5	P=0.241N	P=0.119	(e)	(e)
POLY 6	P=0.258N	P=0.114	(e)	(e)
COCH-ARM / FISHERS	P=0.234N	P=0.125	(e)	(e)
MAX-ISO-POLY-3	P=0.199N	P=0.038*	(e)	(e)
HISTCONT SAME RTE	P=0.512	P=0.256	(e)	(e)
HISTCONT ALL RTES	P=0.541	P=0.065	(e)	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.402			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node, Mesenteric Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/49 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.38	0/41.85	2/44.01	1/39.30
POLY-3 PERCENT (g)	2.4%	0%	4.5%	2.5%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	1/38 (3%)	1/25 (4%)
FIRST INCIDENCE	729 (T)	---	476	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.524	P=0.503N	P=0.513	P=0.744
POLY 1.5	P=0.544	P=0.500N	P=0.515	P=0.755
POLY 6	P=0.497	P=0.504N	P=0.514	P=0.729
COCH-ARM / FISHERS	P=0.559	P=0.495N	P=0.508	P=0.747N
MAX-ISO-POLY-3	P=0.405	P=0.163N	P=0.294	P=0.478
HISTCONT SAME RTE	P=0.327	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.193	P=1.000	P=0.139	P=0.471
CURR VS HC SAME RTE	P=0.790			
CURR VS HC ALL RTES	P=0.425			

Experiment Number: 20209 - 03  
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 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node, Mesenteric Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	7/49 (14%)	2/50 (4%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	7/43.41	2/41.85	3/43.29	4/39.41
POLY-3 PERCENT (g)	16.1%	4.8%	6.9%	10.2%
TERMINAL (d)	5/36 (14%)	2/35 (6%)	3/38 (8%)	3/25 (12%)
FIRST INCIDENCE	515	729 (T)	729 (T)	701
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	4/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.516N	P=0.087N	P=0.157N	P=0.318N
POLY 1.5	P=0.492N	P=0.081N	P=0.150N	P=0.281N
POLY 6	P=0.546N	P=0.091N	P=0.163N	P=0.365N
COCH-ARM / FISHERS	P=0.475N	P=0.075N	P=0.151N	P=0.251N
MAX-ISO-POLY-3	P=0.157N	P=0.046N*	P=0.091N	P=0.225N
HISTCONT SAME RTE	P=0.087	P=1.000	P=0.326	P=0.253
HISTCONT ALL RTEs	P=0.086	P=0.487	P=0.238	P=0.109
CURR VS HC SAME RTE	P=0.031*			
CURR VS HC ALL RTEs	P=0.007**			

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.85	0/43.29	0/39.30
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland Fibroadenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.85	3/43.29	0/39.30
POLY-3 PERCENT (g)	0%	0%	6.9%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	3/38 (8%)	0/25 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.667N	(e)	P=0.122	(e)
POLY 1.5	P=0.646N	(e)	P=0.124	(e)
POLY 6	P=0.688	(e)	P=0.121	(e)
COCH-ARM / FISHERS	P=0.629N	(e)	P=0.125	(e)
MAX-ISO-POLY-3	P=0.191	(e)	P=0.040*	(e)
HISTCONT SAME RTE	P=0.494	(e)	P=0.326	(e)
HISTCONT ALL RTEs	P=0.340	(e)	P=0.066	(e)
CURR VS HC SAME RTE	P=0.178			
CURR VS HC ALL RTEs	P=0.444			

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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland</b>				
<b>Fibroma, Fibroadenoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	1/42.31	3/43.29	0/39.30
POLY-3 PERCENT (g)	0%	2.4%	6.9%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	3/38 (8%)	0/25 (0%)
FIRST INCIDENCE	---	592	729 (T)	---
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.515N	P=0.500	P=0.122	(e)
POLY 1.5	P=0.490N	P=0.501	P=0.124	(e)
POLY 6	P=0.545N	P=0.499	P=0.121	(e)
COCH-ARM / FISHERS	P=0.471N	P=0.505	P=0.125	(e)
MAX-ISO-POLY-3	P=0.250	P=0.160	P=0.040*	(e)
HISTCONT SAME RTE	P=0.608	P=1.000	P=0.326	(e)
HISTCONT ALL RTES	P=0.353	P=1.000	P=0.066	(e)
CURR VS HC SAME RTE	P=0.178			
CURR VS HC ALL RTES	P=0.444			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland</b>				
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	1/42.31	3/43.29	0/39.30
POLY-3 PERCENT (g)	0%	2.4%	6.9%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	3/38 (8%)	0/25 (0%)
FIRST INCIDENCE	---	592	729 (T)	---
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.515N	P=0.500	P=0.122	(e)
POLY 1.5	P=0.490N	P=0.501	P=0.124	(e)
POLY 6	P=0.545N	P=0.499	P=0.121	(e)
COCH-ARM / FISHERS	P=0.471N	P=0.505	P=0.125	(e)
MAX-ISO-POLY-3	P=0.250	P=0.160	P=0.040*	(e)
HISTCONT SAME RTE	P=0.608	P=1.000	P=0.326	(e)
HISTCONT ALL RTES	P=0.353	P=1.000	P=0.066	(e)
CURR VS HC SAME RTE	P=0.178			
CURR VS HC ALL RTES	P=0.444			



Experiment Number: 20209 - 03  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pancreas Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/46 (2%)	1/47 (2%)	3/50 (6%)	1/49 (2%)
POLY-3 RATE (b)	1/40.96	1/39.74	3/43.29	1/38.34
POLY-3 PERCENT (g)	2.4%	2.5%	6.9%	2.6%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	3/38 (8%)	1/25 (4%)
FIRST INCIDENCE	620	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.636	P=0.754	P=0.325	P=0.746
POLY 1.5	P=0.613N	P=0.759	P=0.334	P=0.760N
POLY 6	P=0.595	P=0.751	P=0.316	P=0.726
COCH-ARM / FISHERS	P=0.591N	P=0.747N	P=0.341	P=0.737N
MAX-ISO-POLY-3	P=0.470	P=0.491	P=0.169	P=0.481
HISTCONT SAME RTE	P=0.387	P=1.000	P=0.326	P=1.000
HISTCONT ALL RTES	P=0.228	P=1.000	P=0.081	P=1.000
CURR VS HC SAME RTE	P=0.841			
CURR VS HC ALL RTES	P=0.794			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pancreas</b>				
<b>Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/46 (2%)	1/47 (2%)	3/50 (6%)	1/49 (2%)
POLY-3 RATE (b)	1/40.96	1/39.74	3/43.29	1/38.34
POLY-3 PERCENT (g)	2.4%	2.5%	6.9%	2.6%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	3/38 (8%)	1/25 (4%)
FIRST INCIDENCE	620	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.636	P=0.754	P=0.325	P=0.746
POLY 1.5	P=0.613N	P=0.759	P=0.334	P=0.760N
POLY 6	P=0.595	P=0.751	P=0.316	P=0.726
COCH-ARM / FISHERS	P=0.591N	P=0.747N	P=0.341	P=0.737N
MAX-ISO-POLY-3	P=0.470	P=0.491	P=0.169	P=0.481
HISTCONT SAME RTE	P=0.387	P=1.000	P=0.326	P=1.000
HISTCONT ALL RTEs	P=0.228	P=1.000	P=0.081	P=1.000
CURR VS HC SAME RTE	P=0.841			
CURR VS HC ALL RTEs	P=0.794			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Parathyroid Gland Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/47 (4%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/41.77	0/40.85	0/43.29	0/39.30
POLY-3 PERCENT (g)	4.8%	0%	0%	0%
TERMINAL (d)	1/35 (3%)	0/34 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	619	---	---	---
HC TUMORS SAME ROUTE	0/45 (0%)			
HC TUMORS ALL ROUTES	0/135 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.262N	P=0.242N	P=0.229N	P=0.251N
POLY 1.5	P=0.263N	P=0.238N	P=0.226N	P=0.238N
POLY 6	P=0.262N	P=0.245N	P=0.231N	P=0.267N
COCH-ARM / FISHERS	P=0.270N	P=0.237N	P=0.232N	P=0.232N
MAX-ISO-POLY-3	P=0.048N*	P=0.082N	P=0.072N	P=0.092N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.207			
CURR VS HC ALL RTES	P=0.019*			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	19/49 (39%)	12/49 (24%)	22/50 (44%)	35/50 (70%)
POLY-3 RATE (b)	19/46.69	12/42.72	22/46.38	35/48.83
POLY-3 PERCENT (g)	40.7%	28.1%	47.4%	71.7%
TERMINAL (d)	10/36 (28%)	7/35 (20%)	16/38 (42%)	13/25 (52%)
FIRST INCIDENCE	508	485	436	351
HC TUMORS SAME ROUTE	21/50 (42%)			
HC TUMORS ALL ROUTES	54/149 (36%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.152N	P=0.328	P<0.001**
POLY 1.5	P<0.001**	P=0.126N	P=0.364	P=0.002**
POLY 6	P<0.001**	P=0.178N	P=0.298	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.096N	P=0.373	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.115N	P=0.259	P<0.001**
HISTCONT SAME RTE	P=0.097	P=1.000	P=1.000	P=0.175
HISTCONT ALL RTES	P=0.015*	P=1.000	P=0.158	P=0.020*
CURR VS HC SAME RTE	P=0.514			
CURR VS HC ALL RTES	P=0.926			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pituitary Gland: Pars Intermedia Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	2/49 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	2/40.96	0/43.29	0/39.30
POLY-3 PERCENT (g)	0%	4.9%	0%	0%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	5/149 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.365N	P=0.229	(e)	(e)
POLY 1.5	P=0.358N	P=0.232	(e)	(e)
POLY 6	P=0.372N	P=0.228	(e)	(e)
COCH-ARM / FISHERS	P=0.350N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.280N	P=0.076	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=1.000	(e)	(e)
CURR VS HC SAME RTE	P=0.081			
CURR VS HC ALL RTES	P=0.133			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Salivary Glands Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/46 (2%)	0/48 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/40.97	0/40.16	2/43.52	0/39.30
POLY-3 PERCENT (g)	2.4%	0%	4.6%	0%
TERMINAL (d)	1/36 (3%)	0/34 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	---	669	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.471N	P=0.504N	P=0.521	P=0.508N
POLY 1.5	P=0.455N	P=0.501N	P=0.525	P=0.497N
POLY 6	P=0.492N	P=0.506N	P=0.519	P=0.522N
COCH-ARM / FISHERS	P=0.442N	P=0.489N	P=0.532	P=0.479N
MAX-ISO-POLY-3	P=0.357N	P=0.166N	P=0.300	P=0.174N
HISTCONT SAME RTE	P=0.391	(e)	P=0.316	(e)
HISTCONT ALL RTEs	P=0.273	(e)	P=0.077	(e)
CURR VS HC SAME RTE	P=0.324			
CURR VS HC ALL RTEs	P=0.086			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/49 (6%)	2/50 (4%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	3/42.89	2/41.85	3/43.29	2/39.30
POLY-3 PERCENT (g)	7%	4.8%	6.9%	5.1%
TERMINAL (d)	2/36 (6%)	2/35 (6%)	3/38 (8%)	2/25 (8%)
FIRST INCIDENCE	574	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	7/50 (14%)			
HC TUMORS ALL ROUTES	15/150 (10%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.528N	P=0.511N	P=0.658N	P=0.540N
POLY 1.5	P=0.504N	P=0.503N	P=0.651N	P=0.514N
POLY 6	P=0.558N	P=0.518N	P=0.662	P=0.571N
COCH-ARM / FISHERS	P=0.485N	P=0.490N	P=0.651N	P=0.490N
MAX-ISO-POLY-3	P=0.577N	P=0.336N	P=0.495N	P=0.365N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.143			
CURR VS HC ALL RTEs	P=0.433			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Fibroma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/49 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.38	3/41.85	1/43.29	0/39.30
POLY-3 PERCENT (g)	2.4%	7.2%	2.3%	0%
TERMINAL (d)	1/36 (3%)	3/35 (9%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.177N	P=0.300	P=0.756N	P=0.515N
POLY 1.5	P=0.167N	P=0.305	P=0.754N	P=0.505N
POLY 6	P=0.189N	P=0.297	P=0.757N	P=0.528N
COCH-ARM / FISHERS	P=0.158N	P=0.316	P=0.747N	P=0.495N
MAX-ISO-POLY-3	P=0.189N	P=0.153	P=0.493N	P=0.178N
HISTCONT SAME RTE	P=0.417	P=0.256	P=1.000	(e)
HISTCONT ALL RTES	P=0.514	P=0.079	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.399			
CURR VS HC ALL RTES	P=0.769			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/49 (2%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/42.38	4/42.33	1/43.29	1/39.30
POLY-3 PERCENT (g)	2.4%	9.5%	2.3%	2.5%
TERMINAL (d)	1/36 (3%)	3/35 (9%)	1/38 (3%)	1/25 (4%)
FIRST INCIDENCE	729 (T)	585	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	3/150 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.345N	P=0.178	P=0.756N	P=0.744
POLY 1.5	P=0.328N	P=0.181	P=0.754N	P=0.755
POLY 6	P=0.364N	P=0.177	P=0.757N	P=0.729
COCH-ARM / FISHERS	P=0.314N	P=0.187	P=0.747N	P=0.747N
MAX-ISO-POLY-3	P=0.371N	P=0.084	P=0.493N	P=0.478
HISTCONT SAME RTE	P=0.347	P=0.228	P=1.000	P=0.496
HISTCONT ALL RTES	P=0.463	P=0.071	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.399			
CURR VS HC ALL RTES	P=0.980			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Keratoacanthoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/49 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.89	0/41.85	1/43.29	0/39.30
POLY-3 PERCENT (g)	4.7%	0%	2.3%	0%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	574	---	729 (T)	---
HC TUMORS SAME ROUTE	4/50 (8%)			
HC TUMORS ALL ROUTES	7/150 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.302N	P=0.242N	P=0.497N	P=0.257N
POLY 1.5	P=0.295N	P=0.238N	P=0.491N	P=0.244N
POLY 6	P=0.312N	P=0.246N	P=0.501N	P=0.274N
COCH-ARM / FISHERS	P=0.292N	P=0.242N	P=0.492N	P=0.242N
MAX-ISO-POLY-3	P=0.108N	P=0.082N	P=0.278N	P=0.096N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.371			
CURR VS HC ALL RTES	P=0.850			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Schwannoma Malignant</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/42.38	1/41.85	1/44.23	2/39.50
POLY-3 PERCENT (g)	0%	2.4%	2.3%	5.1%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/38 (0%)	1/25 (4%)
FIRST INCIDENCE	---	729 (T)	289	676
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	4/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.185	P=0.497	P=0.509	P=0.222
POLY 1.5	P=0.197	P=0.500	P=0.510	P=0.232
POLY 6	P=0.171	P=0.496	P=0.508	P=0.209
COCH-ARM / FISHERS	P=0.207	P=0.505	P=0.505	P=0.253
MAX-ISO-POLY-3	P=0.126	P=0.160	P=0.168	P=0.076
HISTCONT SAME RTE	P=0.331	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTEs	P=0.325	P=1.000	P=1.000	P=0.448
CURR VS HC SAME RTE	P=0.099			
CURR VS HC ALL RTEs	P=0.243			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/42.38	1/41.85	1/43.29	2/39.30
POLY-3 PERCENT (g)	0%	2.4%	2.3%	5.1%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	1/38 (3%)	2/25 (8%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.184	P=0.497	P=0.504	P=0.220
POLY 1.5	P=0.197	P=0.500	P=0.506	P=0.232
POLY 6	P=0.169	P=0.496	P=0.503	P=0.207
COCH-ARM / FISHERS	P=0.207	P=0.505	P=0.505	P=0.253
MAX-ISO-POLY-3	P=0.126	P=0.160	P=0.163	P=0.076
HISTCONT SAME RTE	P=0.142	P=1.000	P=1.000	P=0.492
HISTCONT ALL RTES	P=0.078	P=1.000	P=1.000	P=0.184
CURR VS HC SAME RTE	P=0.178			
CURR VS HC ALL RTES	P=0.299			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/49 (4%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/42.89	1/41.85	2/43.29	2/39.30
POLY-3 PERCENT (g)	4.7%	2.4%	4.6%	5.1%
TERMINAL (d)	1/36 (3%)	1/35 (3%)	2/38 (5%)	2/25 (8%)
FIRST INCIDENCE	574	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	10/150 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.492	P=0.509N	P=0.691N	P=0.662
POLY 1.5	P=0.514	P=0.502N	P=0.685N	P=0.683
POLY 6	P=0.463	P=0.514N	P=0.694	P=0.636
COCH-ARM / FISHERS	P=0.532	P=0.492N	P=0.684N	P=0.684N
MAX-ISO-POLY-3	P=0.583	P=0.291N	P=0.495N	P=0.465
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.211			
CURR VS HC ALL RTEs	P=0.525			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/49 (4%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/42.89	1/41.85	2/43.29	2/39.30
POLY-3 PERCENT (g)	4.7%	2.4%	4.6%	5.1%
TERMINAL (d)	1/36 (3%)	1/35 (3%)	2/38 (5%)	2/25 (8%)
FIRST INCIDENCE	574	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	9/150 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.492	P=0.509N	P=0.691N	P=0.662
POLY 1.5	P=0.514	P=0.502N	P=0.685N	P=0.683
POLY 6	P=0.463	P=0.514N	P=0.694	P=0.636
COCH-ARM / FISHERS	P=0.532	P=0.492N	P=0.684N	P=0.684N
MAX-ISO-POLY-3	P=0.583	P=0.291N	P=0.495N	P=0.465
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.211			
CURR VS HC ALL RTES	P=0.620			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Testes</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/49 (4%)	4/49 (8%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/42.76	4/41.64	2/43.29	4/39.89
POLY-3 PERCENT (g)	4.7%	9.6%	4.6%	10%
TERMINAL (d)	1/36 (3%)	3/35 (9%)	2/38 (5%)	2/25 (8%)
FIRST INCIDENCE	620	585	729 (T)	610
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	4/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.346	P=0.324	P=0.690N	P=0.305
POLY 1.5	P=0.370	P=0.329	P=0.684N	P=0.327
POLY 6	P=0.319	P=0.323	P=0.694N	P=0.280
COCH-ARM / FISHERS	P=0.390	P=0.339	P=0.684N	P=0.349
MAX-ISO-POLY-3	P=0.302	P=0.193	P=0.494N	P=0.185
HISTCONT SAME RTE	P=0.118	P=0.227	P=0.316	P=0.225
HISTCONT ALL RTES	P=0.122	P=0.091	P=1.000	P=0.090
CURR VS HC SAME RTE	P=0.178			
CURR VS HC ALL RTES	P=0.651			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thymus</b>				
<b>Thymoma: Benign, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/45 (0%)	0/49 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/40.57	0/40.85	2/43.96	0/39.30
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/36 (0%)	0/34 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	480	---
HC TUMORS SAME ROUTE	1/49 (2%)			
HC TUMORS ALL ROUTES	4/138 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.705N	(e)	P=0.255	(e)
POLY 1.5	P=0.688N	(e)	P=0.256	(e)
POLY 6	P=0.722	(e)	P=0.255	(e)
COCH-ARM / FISHERS	P=0.671N	(e)	P=0.269	(e)
MAX-ISO-POLY-3	P=0.285	(e)	P=0.089	(e)
HISTCONT SAME RTE	P=0.570	(e)	P=1.000	(e)
HISTCONT ALL RTES	P=1.000	(e)	P=1.000	(e)
CURR VS HC SAME RTE	P=0.273			
CURR VS HC ALL RTES	P=0.144			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: C-Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	11/45 (24%)	12/45 (27%)	11/48 (23%)	6/46 (13%)
POLY-3 RATE (b)	11/40.57	12/40.67	11/43.58	6/36.85
POLY-3 PERCENT (g)	27.1%	29.5%	25.2%	16.3%
TERMINAL (d)	11/36 (31%)	9/35 (26%)	9/38 (24%)	5/25 (20%)
FIRST INCIDENCE	729 (T)	485	592	698
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	16/150 (11%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.116N	P=0.503	P=0.521N	P=0.190N
POLY 1.5	P=0.091N	P=0.500	P=0.520N	P=0.161N
POLY 6	P=0.153N	P=0.519	P=0.515N	P=0.229N
COCH-ARM / FISHERS	P=0.065N	P=0.500	P=0.528N	P=0.130N
MAX-ISO-POLY-3	P=0.189N	P=0.404	P=0.422N	P=0.136N
HISTCONT SAME RTE	P=0.274	P=0.193	P=0.207	P=0.361
HISTCONT ALL RTES	P=0.226	P=0.031*	P=0.040*	P=0.275
CURR VS HC SAME RTE	P=0.100			
CURR VS HC ALL RTES	P=0.018*			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: C-Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	11/45 (24%)	12/45 (27%)	11/48 (23%)	7/46 (15%)
POLY-3 RATE (b)	11/40.57	12/40.67	11/43.58	7/36.85
POLY-3 PERCENT (g)	27.1%	29.5%	25.2%	19%
TERMINAL (d)	11/36 (31%)	9/35 (26%)	9/38 (24%)	6/25 (24%)
FIRST INCIDENCE	729 (T)	485	592	698
HC TUMORS SAME ROUTE	5/50 (10%)			
HC TUMORS ALL ROUTES	16/150 (11%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.190N	P=0.503	P=0.521N	P=0.282N
POLY 1.5	P=0.154N	P=0.500	P=0.520N	P=0.243N
POLY 6	P=0.242N	P=0.519	P=0.515N	P=0.332N
COCH-ARM / FISHERS	P=0.114N	P=0.500	P=0.528N	P=0.200N
MAX-ISO-POLY-3	P=0.310N	P=0.404	P=0.422N	P=0.211N
HISTCONT SAME RTE	P=0.226	P=0.193	P=0.207	P=0.270
HISTCONT ALL RTES	P=0.197	P=0.031*	P=0.040*	P=0.133
CURR VS HC SAME RTE	P=0.100			
CURR VS HC ALL RTES	P=0.018*			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: Follicular Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/45 (2%)	3/45 (7%)	2/48 (4%)	6/46 (13%)
POLY-3 RATE (b)	1/40.57	3/39.70	2/42.73	6/37.19
POLY-3 PERCENT (g)	2.5%	7.6%	4.7%	16.1%
TERMINAL (d)	1/36 (3%)	2/35 (6%)	2/38 (5%)	4/25 (16%)
FIRST INCIDENCE	729 (T)	647	729 (T)	609
HC TUMORS SAME ROUTE	3/50 (6%)			
HC TUMORS ALL ROUTES	4/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.028*	P=0.297	P=0.518	P=0.042*
POLY 1.5	P=0.033*	P=0.300	P=0.521	P=0.049*
POLY 6	P=0.023*	P=0.298	P=0.516	P=0.035*
COCH-ARM / FISHERS	P=0.040*	P=0.308	P=0.524	P=0.059
MAX-ISO-POLY-3	P=0.024*	P=0.150	P=0.297	P=0.021*
HISTCONT SAME RTE	P=0.156	P=1.000	P=1.000	P=0.243
HISTCONT ALL RTES	P=0.048*	P=0.221	P=1.000	P=0.049*
CURR VS HC SAME RTE	P=0.328			
CURR VS HC ALL RTES	P=0.834			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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 CAS Number: 32534-81-9

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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: Follicular Cell Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/45 (0%)	2/45 (4%)	1/48 (2%)	0/46 (0%)
POLY-3 RATE (b)	0/40.57	2/39.40	1/42.73	0/36.73
POLY-3 PERCENT (g)	0%	5.1%	2.3%	0%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.384N	P=0.230	P=0.510	(e)
POLY 1.5	P=0.370N	P=0.233	P=0.512	(e)
POLY 6	P=0.400N	P=0.229	P=0.509	(e)
COCH-ARM / FISHERS	P=0.352N	P=0.247	P=0.516	(e)
MAX-ISO-POLY-3	P=0.363	P=0.075	P=0.168	(e)
HISTCONT SAME RTE	P=0.392	P=0.307	P=1.000	(e)
HISTCONT ALL RTES	P=0.300	P=0.074	P=0.238	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/45 (2%)	5/45 (11%)	3/48 (6%)	6/46 (13%)
POLY-3 RATE (b)	1/40.57	5/39.70	3/42.73	6/37.19
POLY-3 PERCENT (g)	2.5%	12.6%	7%	16.1%
TERMINAL (d)	1/36 (3%)	4/35 (11%)	3/38 (8%)	4/25 (16%)
FIRST INCIDENCE	729 (T)	647	729 (T)	609
HC TUMORS SAME ROUTE	3/50 (6%)			
HC TUMORS ALL ROUTES	4/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.089	P=0.095	P=0.324	P=0.042*
POLY 1.5	P=0.102	P=0.097	P=0.327	P=0.049*
POLY 6	P=0.075	P=0.095	P=0.321	P=0.035*
COCH-ARM / FISHERS	P=0.123	P=0.101	P=0.333	P=0.059
MAX-ISO-POLY-3	P=0.041*	P=0.042*	P=0.169	P=0.021*
HISTCONT SAME RTE	P=0.150	P=0.305	P=1.000	P=0.243
HISTCONT ALL RTES	P=0.082	P=0.069	P=0.247	P=0.049*
CURR VS HC SAME RTE	P=0.328			
CURR VS HC ALL RTES	P=0.834			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/49 (2%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.38	1/41.85	2/44.01	1/39.30
POLY-3 PERCENT (g)	2.4%	2.4%	4.5%	2.5%
TERMINAL (d)	1/36 (3%)	1/35 (3%)	1/38 (3%)	1/25 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	476	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.639	P=0.758	P=0.513	P=0.744
POLY 1.5	P=0.647N	P=0.760N	P=0.515	P=0.755
POLY 6	P=0.612	P=0.756	P=0.514	P=0.729
COCH-ARM / FISHERS	P=0.634N	P=0.747N	P=0.508	P=0.747N
MAX-ISO-POLY-3	P=0.594	P=0.496	P=0.294	P=0.478
HISTCONT SAME RTE	P=0.377	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.189	P=0.492	P=0.139	P=0.471
CURR VS HC SAME RTE	P=0.790			
CURR VS HC ALL RTES	P=0.425			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
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 CAS Number: 32534-81-9

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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	8/49 (16%)	3/50 (6%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	8/43.41	3/41.85	3/43.29	5/39.86
POLY-3 PERCENT (g)	18.4%	7.2%	6.9%	12.5%
TERMINAL (d)	6/36 (17%)	3/35 (9%)	3/38 (8%)	3/25 (12%)
FIRST INCIDENCE	515	729 (T)	729 (T)	595
HC TUMORS SAME ROUTE	3/50 (6%)			
HC TUMORS ALL ROUTES	6/150 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.524N	P=0.109N	P=0.098N	P=0.332N
POLY 1.5	P=0.502N	P=0.102N	P=0.092N	P=0.294N
POLY 6	P=0.553N	P=0.115N	P=0.102N	P=0.378N
COCH-ARM / FISHERS	P=0.485N	P=0.094N	P=0.094N	P=0.264N
MAX-ISO-POLY-3	P=0.152N	P=0.063N	P=0.053N	P=0.241N
HISTCONT SAME RTE	P=0.141	P=1.000	P=1.000	P=0.309
HISTCONT ALL RTES	P=0.097	P=0.394	P=0.414	P=0.107
CURR VS HC SAME RTE	P=0.144			
CURR VS HC ALL RTES	P=0.009**			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

**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 RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	9/49 (18%)	4/50 (8%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	9/43.41	4/41.85	5/44.01	6/39.86
POLY-3 PERCENT (g)	20.7%	9.6%	11.4%	15.1%
TERMINAL (d)	7/36 (19%)	4/35 (11%)	4/38 (11%)	4/25 (16%)
FIRST INCIDENCE	515	729 (T)	476	595
HC TUMORS SAME ROUTE	4/50 (8%)			
HC TUMORS ALL ROUTES	7/150 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.528N	P=0.127N	P=0.183N	P=0.349N
POLY 1.5	P=0.499N	P=0.119N	P=0.176N	P=0.308N
POLY 6	P=0.565N	P=0.135N	P=0.188N	P=0.401N
COCH-ARM / FISHERS	P=0.476N	P=0.109N	P=0.183N	P=0.274N
MAX-ISO-POLY-3	P=0.225N	P=0.079N	P=0.116N	P=0.260N
HISTCONT SAME RTE	P=0.120	P=1.000	P=1.000	P=0.302
HISTCONT ALL RTEs	P=0.093	P=0.279	P=0.174	P=0.095
CURR VS HC SAME RTE	P=0.172			
CURR VS HC ALL RTEs	P=0.009**			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	2/42.43	1/43.29	0/39.30
POLY-3 PERCENT (g)	0%	4.7%	2.3%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	---	588	729 (T)	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380N	P=0.237	P=0.504	(e)
POLY 1.5	P=0.367N	P=0.239	P=0.506	(e)
POLY 6	P=0.396N	P=0.237	P=0.503	(e)
COCH-ARM / FISHERS	P=0.354N	P=0.253	P=0.505	(e)
MAX-ISO-POLY-3	P=0.358	P=0.077	P=0.163	(e)
HISTCONT SAME RTE	P=0.383	P=0.314	P=1.000	(e)
HISTCONT ALL RTES	P=0.292	P=0.078	P=0.241	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Leukemia: Granulocytic</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.85	0/43.29	0/39.30
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/49 (0%)	4/50 (8%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	4/42.60	1/43.29	0/39.30
POLY-3 PERCENT (g)	0%	9.4%	2.3%	0%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	---	549	729 (T)	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.195N	P=0.060	P=0.504	(e)
POLY 1.5	P=0.183N	P=0.061	P=0.506	(e)
POLY 6	P=0.209N	P=0.061	P=0.503	(e)
COCH-ARM / FISHERS	P=0.175N	P=0.061	P=0.505	(e)
MAX-ISO-POLY-3	P=0.188N	P=0.020*	P=0.163	(e)
HISTCONT SAME RTE	P=0.435	P=0.228	P=1.000	(e)
HISTCONT ALL RTES	P=0.341	P=0.035*	P=0.241	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	33/49 (67%)	34/50 (68%)	40/50 (80%)	45/50 (90%)
POLY-3 RATE (b)	33/46.92	34/45.49	40/47.66	45/49.08
POLY-3 PERCENT (g)	70.3%	74.8%	83.9%	91.7%
TERMINAL (d)	23/36 (64%)	26/35 (74%)	32/38 (84%)	21/25 (84%)
FIRST INCIDENCE	508	301	436	351
HC TUMORS SAME ROUTE	30/50 (60%)			
HC TUMORS ALL ROUTES	88/150 (59%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004**	P=0.404	P=0.088	P=0.006**
POLY 1.5	P=0.004**	P=0.477	P=0.114	P=0.007**
POLY 6	P=0.005**	P=0.337	P=0.068	P=0.006**
COCH-ARM / FISHERS	P=0.002**	P=0.558	P=0.115	P=0.005**
MAX-ISO-POLY-3	P=0.006**	P=0.319	P=0.055	P=0.003**
HISTCONT SAME RTE	P=0.083	P=0.227	P=0.183	P=0.166
HISTCONT ALL RTES	P=0.021*	P=0.078	P=0.030*	P=0.020*
CURR VS HC SAME RTE	P=0.668			
CURR VS HC ALL RTES	P=0.384			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	13/49 (27%)	14/50 (28%)	11/50 (22%)	12/50 (24%)
POLY-3 RATE (b)	13/43.64	14/44.41	11/46.19	12/41.52
POLY-3 PERCENT (g)	29.8%	31.5%	23.8%	28.9%
TERMINAL (d)	10/36 (28%)	8/35 (23%)	6/38 (16%)	6/25 (24%)
FIRST INCIDENCE	515	465	289	310
HC TUMORS SAME ROUTE	8/50 (16%)			
HC TUMORS ALL ROUTES	33/150 (22%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.491N	P=0.522	P=0.344N	P=0.559N
POLY 1.5	P=0.439N	P=0.523	P=0.346N	P=0.509N
POLY 6	P=0.555N	P=0.530	P=0.340N	P=0.573
COCH-ARM / FISHERS	P=0.403N	P=0.525	P=0.385N	P=0.477N
MAX-ISO-POLY-3	P=0.527N	P=0.429	P=0.267N	P=0.464N
HISTCONT SAME RTE	P=0.186	P=0.206	P=0.288	P=0.222
HISTCONT ALL RTES	P=0.356	P=0.127	P=1.000	P=0.246
CURR VS HC SAME RTE	P=0.232			
CURR VS HC ALL RTES	P=0.446			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	36/49 (73%)	39/50 (78%)	44/50 (88%)	47/50 (94%)
POLY-3 RATE (b)	36/46.92	39/47.38	44/50.00	47/50.00
POLY-3 PERCENT (g)	76.7%	82.3%	88%	94%
TERMINAL (d)	26/36 (72%)	27/35 (77%)	32/38 (84%)	22/25 (88%)
FIRST INCIDENCE	508	301	289	310
HC TUMORS SAME ROUTE	34/50 (68%)			
HC TUMORS ALL ROUTES	107/150 (71%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.015*	P=0.339	P=0.116	P=0.015*
POLY 1.5	P=0.013*	P=0.366	P=0.114	P=0.014*
POLY 6	P=0.016*	P=0.324	P=0.119	P=0.015*
COCH-ARM / FISHERS	P=0.004**	P=0.385	P=0.056	P=0.005**
MAX-ISO-POLY-3	P=0.014*	P=0.251	P=0.077	P=0.008**
HISTCONT SAME RTE	P=0.079	P=0.207	P=0.187	P=0.172
HISTCONT ALL RTES	P=0.025*	P=0.047*	P=0.028*	P=0.022*
CURR VS HC SAME RTE	P=0.504			
CURR VS HC ALL RTES	P=0.555			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/Wistar Han

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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 CAS Number: 32534-81-9

Date Report Requested: 08/05/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Adrenal Medulla</b>				
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	0/47 (0%)
POLY-3 RATE (b)	2/43.21	1/46.30	3/44.19	0/36.88
POLY-3 PERCENT (g)	4.6%	2.2%	6.8%	0%
TERMINAL (d)	2/37 (5%)	1/39 (3%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	614	---
HC TUMORS SAME ROUTE	2/49 (4%)			
HC TUMORS ALL ROUTES	5/148 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.291N	P=0.476N	P=0.510	P=0.274N
POLY 1.5	P=0.277N	P=0.482N	P=0.511	P=0.267N
POLY 6	P=0.309N	P=0.471N	P=0.507	P=0.282N
COCH-ARM / FISHERS	P=0.239N	P=0.500N	P=0.500	P=0.263N
MAX-ISO-POLY-3	P=0.250N	P=0.267N	P=0.334	P=0.107N
HISTCONT SAME RTE	P=0.718	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.736	P=1.000	P=0.212	P=1.000
CURR VS HC SAME RTE	P=0.903			
CURR VS HC ALL RTES	P=0.845			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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 CAS Number: 32534-81-9

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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Brain</b>				
<b>Glioma Malignant</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	1/44.21	0/38.47
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	553	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Brain</b>				
<b>Granular Cell Tumor Benign</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	2/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Islets, Pancreatic Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/49 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	1/45.55	0/42.71	0/37.08
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	1/149 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Islets, Pancreatic Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/42.71	0/37.08
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/149 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Islets, Pancreatic Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/49 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	1/45.55	0/42.71	0/37.08
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	1/149 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
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 CAS Number: 32534-81-9

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Cholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	2/47 (4%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/43.65	2/36.88
POLY-3 PERCENT (g)	0%	0%	0%	5.4%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.030*	(e)	(e)	P=0.203
POLY 1.5	P=0.032*	(e)	(e)	P=0.209
POLY 6	P=0.029*	(e)	(e)	P=0.196
COCH-ARM / FISHERS	P=0.037*	(e)	(e)	P=0.232
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.072
HISTCONT SAME RTE	P=0.151	(e)	(e)	P=0.296
HISTCONT ALL RTES	P=0.049*	(e)	(e)	P=0.079
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/50 (6%)	2/49 (4%)	8/50 (16%)	16/47 (34%)
POLY-3 RATE (b)	3/43.21	2/45.55	8/44.09	16/38.66
POLY-3 PERCENT (g)	6.9%	4.4%	18.2%	41.4%
TERMINAL (d)	3/37 (8%)	2/39 (5%)	6/33 (18%)	11/28 (39%)
FIRST INCIDENCE	729 (T)	729 (T)	656	490
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.476N	P=0.103	P<0.001**
POLY 1.5	P<0.001**	P=0.485N	P=0.105	P<0.001**
POLY 6	P<0.001**	P=0.468N	P=0.100	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.510N	P=0.100	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.308N	P=0.058	P<0.001**
HISTCONT SAME RTE	P=0.066	P=1.000	P=0.192	P=0.149
HISTCONT ALL RTES	P=0.008**	P=0.210	P=0.023*	P=0.011*
CURR VS HC SAME RTE	P=0.346			
CURR VS HC ALL RTES	P=0.051			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	6/47 (13%)
POLY-3 RATE (b)	0/43.21	0/45.55	1/43.82	6/37.08
POLY-3 PERCENT (g)	0%	0%	2.3%	16.2%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	5/28 (18%)
FIRST INCIDENCE	---	---	686	677
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.503	P=0.008**
POLY 1.5	P<0.001**	(e)	P=0.504	P=0.009**
POLY 6	P<0.001**	(e)	P=0.500	P=0.007**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.011*
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.162	P=0.004**
HISTCONT SAME RTE	P=0.095	(e)	P=1.000	P=0.193
HISTCONT ALL RTES	P=0.016*	(e)	P=0.241	P=0.026*
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/50 (6%)	2/49 (4%)	8/50 (16%)	17/47 (36%)
POLY-3 RATE (b)	3/43.21	2/45.55	8/44.09	17/38.66
POLY-3 PERCENT (g)	6.9%	4.4%	18.2%	44%
TERMINAL (d)	3/37 (8%)	2/39 (5%)	6/33 (18%)	12/28 (43%)
FIRST INCIDENCE	729 (T)	729 (T)	656	490
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.476N	P=0.103	P<0.001**
POLY 1.5	P<0.001**	P=0.485N	P=0.105	P<0.001**
POLY 6	P<0.001**	P=0.468N	P=0.100	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.510N	P=0.100	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.308N	P=0.058	P<0.001**
HISTCONT SAME RTE	P=0.062	P=1.000	P=0.192	P=0.145
HISTCONT ALL RTEs	P=0.007**	P=0.210	P=0.023*	P=0.010**
CURR VS HC SAME RTE	P=0.346			
CURR VS HC ALL RTEs	P=0.051			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/50 (6%)	2/49 (4%)	8/50 (16%)	17/47 (36%)
POLY-3 RATE (b)	3/43.21	2/45.55	8/44.09	17/38.66
POLY-3 PERCENT (g)	6.9%	4.4%	18.2%	44%
TERMINAL (d)	3/37 (8%)	2/39 (5%)	6/33 (18%)	12/28 (43%)
FIRST INCIDENCE	729 (T)	729 (T)	656	490
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.476N	P=0.103	P<0.001**
POLY 1.5	P<0.001**	P=0.485N	P=0.105	P<0.001**
POLY 6	P<0.001**	P=0.468N	P=0.100	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.510N	P=0.100	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.308N	P=0.058	P<0.001**
HISTCONT SAME RTE	P=0.062	P=1.000	P=0.192	P=0.145
HISTCONT ALL RTEs	P=0.007**	P=0.210	P=0.023*	P=0.010**
CURR VS HC SAME RTE	P=0.346			
CURR VS HC ALL RTEs	P=0.051			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Liver</b>				
<b>Hepatocholangioma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	8/47 (17%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/43.65	8/37.27
POLY-3 PERCENT (g)	0%	0%	0%	21.5%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	7/28 (25%)
FIRST INCIDENCE	---	---	---	619
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.002**
POLY 6	P<0.001**	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.002**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**
HISTCONT SAME RTE	P=0.090	(e)	(e)	P=0.178
HISTCONT ALL RTES	P=0.015*	(e)	(e)	P=0.020*
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
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 Species/Strain: RATS/Wistar Han

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 RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node, Mesenteric Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node, Mesenteric Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	2/37 (5%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	3/150 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.297N	P=0.222N	P=0.235N	P=0.264N
POLY 1.5	P=0.293N	P=0.226N	P=0.233N	P=0.257N
POLY 6	P=0.301N	P=0.219N	P=0.238N	P=0.273N
COCH-ARM / FISHERS	P=0.281N	P=0.247N	P=0.247N	P=0.253N
MAX-ISO-POLY-3	P=0.057N	P=0.076N	P=0.076N	P=0.100N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.599			
CURR VS HC ALL RTEs	P=0.405			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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 RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	4/49 (8%)
POLY-3 RATE (b)	1/43.21	1/46.56	2/43.99	4/39.03
POLY-3 PERCENT (g)	2.3%	2.2%	4.6%	10.3%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	658	676	597
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	11/150 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.052	P=0.744N	P=0.506	P=0.148
POLY 1.5	P=0.056	P=0.748N	P=0.507	P=0.155
POLY 6	P=0.047*	P=0.739N	P=0.503	P=0.140
COCH-ARM / FISHERS	P=0.070	P=0.753N	P=0.500	P=0.175
MAX-ISO-POLY-3	P=0.084	P=0.478N	P=0.287	P=0.074
HISTCONT SAME RTE	P=0.129	P=1.000	P=1.000	P=0.246
HISTCONT ALL RTES	P=0.456	P=1.000	P=1.000	P=0.491
CURR VS HC SAME RTE	P=0.845			
CURR VS HC ALL RTES	P=0.218			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

**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 RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland Fibroadenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	9/50 (18%)	10/50 (20%)	12/50 (24%)	9/49 (18%)
POLY-3 RATE (b)	9/43.87	10/46.78	12/44.27	9/40.12
POLY-3 PERCENT (g)	20.5%	21.4%	27.1%	22.4%
TERMINAL (d)	8/37 (22%)	9/39 (23%)	10/33 (30%)	4/28 (14%)
FIRST INCIDENCE	508	585	610	537
HC TUMORS SAME ROUTE	8/50 (16%)			
HC TUMORS ALL ROUTES	28/150 (19%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.491	P=0.562	P=0.317	P=0.521
POLY 1.5	P=0.518	P=0.547	P=0.325	P=0.535
POLY 6	P=0.462	P=0.576	P=0.303	P=0.505
COCH-ARM / FISHERS	P=0.515N	P=0.500	P=0.312	P=0.584
MAX-ISO-POLY-3	P=0.520	P=0.460	P=0.235	P=0.417
HISTCONT SAME RTE	P=0.203	P=0.430	P=0.234	P=0.358
HISTCONT ALL RTES	P=0.367	P=1.000	P=0.153	P=1.000
CURR VS HC SAME RTE	P=0.826			
CURR VS HC ALL RTES	P=0.892			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland Fibroma, Fibroadenoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	9/50 (18%)	10/50 (20%)	12/50 (24%)	9/49 (18%)
POLY-3 RATE (b)	9/43.87	10/46.78	12/44.27	9/40.12
POLY-3 PERCENT (g)	20.5%	21.4%	27.1%	22.4%
TERMINAL (d)	8/37 (22%)	9/39 (23%)	10/33 (30%)	4/28 (14%)
FIRST INCIDENCE	508	585	610	537
HC TUMORS SAME ROUTE	12/50 (24%)			
HC TUMORS ALL ROUTES	34/150 (23%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.491	P=0.562	P=0.317	P=0.521
POLY 1.5	P=0.518	P=0.547	P=0.325	P=0.535
POLY 6	P=0.462	P=0.576	P=0.303	P=0.505
COCH-ARM / FISHERS	P=0.515N	P=0.500	P=0.312	P=0.584
MAX-ISO-POLY-3	P=0.520	P=0.460	P=0.235	P=0.417
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	P=0.756	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.414			
CURR VS HC ALL RTES	P=0.424			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland</b>				
<b>Fibroma, Fibroadenoma, Carcinoma, or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	10/50 (20%)	11/50 (22%)	14/50 (28%)	13/49 (27%)
POLY-3 RATE (b)	10/43.87	11/47.04	14/44.61	13/40.67
POLY-3 PERCENT (g)	22.8%	23.4%	31.4%	32%
TERMINAL (d)	9/37 (24%)	9/39 (23%)	10/33 (30%)	6/28 (21%)
FIRST INCIDENCE	508	585	610	537
HC TUMORS SAME ROUTE	12/50 (24%)			
HC TUMORS ALL ROUTES	40/150 (27%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.189	P=0.572	P=0.251	P=0.241
POLY 1.5	P=0.208	P=0.553	P=0.256	P=0.251
POLY 6	P=0.172	P=0.591	P=0.244	P=0.232
COCH-ARM / FISHERS	P=0.286	P=0.500	P=0.241	P=0.298
MAX-ISO-POLY-3	P=0.300	P=0.473	P=0.183	P=0.179
HISTCONT SAME RTE	P=0.238	P=1.000	P=0.371	P=0.344
HISTCONT ALL RTES	P=0.446	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.570			
CURR VS HC ALL RTES	P=0.293			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Ovary</b>				
<b>Cystadenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/49 (2%)	1/50 (2%)	2/46 (4%)
POLY-3 RATE (b)	0/43.21	1/45.55	1/43.65	2/36.58
POLY-3 PERCENT (g)	0%	2.2%	2.3%	5.5%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.159	P=0.510	P=0.502	P=0.201
POLY 1.5	P=0.165	P=0.507	P=0.504	P=0.206
POLY 6	P=0.151	P=0.514	P=0.499	P=0.195
COCH-ARM / FISHERS	P=0.183	P=0.495	P=0.500	P=0.227
MAX-ISO-POLY-3	P=0.116	P=0.173	P=0.161	P=0.071
HISTCONT SAME RTE	P=0.092	P=1.000	P=1.000	P=0.295
HISTCONT ALL RTES	P=0.047*	P=0.243	P=0.241	P=0.078
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Ovary</b>				
<b>Granulosa Cell Tumor Benign</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	3/49 (6%)	1/50 (2%)	2/46 (4%)
POLY-3 RATE (b)	1/43.21	3/45.84	1/43.85	2/36.58
POLY-3 PERCENT (g)	2.3%	6.6%	2.3%	5.5%
TERMINAL (d)	1/37 (3%)	2/39 (5%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	651	676	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.524	P=0.327	P=0.757N	P=0.442
POLY 1.5	P=0.535	P=0.319	P=0.756N	P=0.450
POLY 6	P=0.510	P=0.335	P=0.760N	P=0.431
COCH-ARM / FISHERS	P=0.565	P=0.301	P=0.753N	P=0.468
MAX-ISO-POLY-3	P=0.420	P=0.177	P=0.495N	P=0.246
HISTCONT SAME RTE	P=0.209	P=0.257	P=1.000	P=0.295
HISTCONT ALL RTES	P=0.176	P=0.063	P=1.000	P=0.120
CURR VS HC SAME RTE	P=0.317			
CURR VS HC ALL RTES	P=0.399			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Ovary</b>				
<b>Granulosa Cell Tumor: Benign, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	3/49 (6%)	1/50 (2%)	2/46 (4%)
POLY-3 RATE (b)	2/43.21	3/45.84	1/43.85	2/36.58
POLY-3 PERCENT (g)	4.6%	6.6%	2.3%	5.5%
TERMINAL (d)	2/37 (5%)	2/39 (5%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	651	676	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	2/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.612N	P=0.527	P=0.495N	P=0.633
POLY 1.5	P=0.602N	P=0.517	P=0.493N	P=0.641
POLY 6	P=0.618	P=0.537	P=0.499N	P=0.621
COCH-ARM / FISHERS	P=0.576N	P=0.490	P=0.500N	P=0.659
MAX-ISO-POLY-3	P=0.566N	P=0.352	P=0.277N	P=0.435
HISTCONT SAME RTE	P=0.306	P=0.319	P=1.000	P=0.419
HISTCONT ALL RTES	P=0.198	P=0.079	P=1.000	P=0.162
CURR VS HC SAME RTE	P=0.584			
CURR VS HC ALL RTES	P=0.200			

Experiment Number: 20209 - 03  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
Time Report Requested: 10:18:12  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pancreas Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/42.71	0/37.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/149 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pancreas</b>				
<b>Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	1/47 (2%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/42.71	1/37.77
POLY-3 PERCENT (g)	0%	0%	0%	2.7%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	647
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/149 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Parathyroid Gland Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/49 (2%)	1/47 (2%)	0/49 (0%)	0/46 (0%)
POLY-3 RATE (b)	1/42.21	1/43.30	0/42.65	0/35.67
POLY-3 PERCENT (g)	2.4%	2.3%	0%	0%
TERMINAL (d)	1/36 (3%)	1/36 (3%)	0/32 (0%)	0/26 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
HC TUMORS SAME ROUTE	0/48 (0%)			
HC TUMORS ALL ROUTES	0/142 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	23/50 (46%)	20/49 (41%)	23/50 (46%)	21/47 (45%)
POLY-3 RATE (b)	23/45.15	20/47.83	23/47.66	21/41.62
POLY-3 PERCENT (g)	50.9%	41.8%	48.3%	50.5%
TERMINAL (d)	18/37 (49%)	14/38 (37%)	13/33 (39%)	9/28 (32%)
FIRST INCIDENCE	445	358	368	396
HC TUMORS SAME ROUTE	21/50 (42%)			
HC TUMORS ALL ROUTES	88/150 (59%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.389	P=0.250N	P=0.480N	P=0.568N
POLY 1.5	P=0.397	P=0.280N	P=0.499N	P=0.579N
POLY 6	P=0.397	P=0.225N	P=0.467N	P=0.544N
COCH-ARM / FISHERS	P=0.511	P=0.376N	P=0.579N	P=0.529N
MAX-ISO-POLY-3	P=0.556N	P=0.196N	P=0.398N	P=0.482N
HISTCONT SAME RTE	P=0.174	P=1.000	P=0.320	P=0.265
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.518			
CURR VS HC ALL RTES	P=0.337			



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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pituitary Gland: Pars Intermedia Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/50 (4%)	1/47 (2%)
POLY-3 RATE (b)	1/43.85	1/45.30	2/43.65	1/36.98
POLY-3 PERCENT (g)	2.3%	2.2%	4.6%	2.7%
TERMINAL (d)	0/37 (0%)	1/38 (3%)	2/33 (6%)	1/28 (4%)
FIRST INCIDENCE	522	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	4/50 (8%)			
HC TUMORS ALL ROUTES	7/150 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.596	P=0.753N	P=0.498	P=0.722
POLY 1.5	P=0.613	P=0.756N	P=0.503	P=0.729
POLY 6	P=0.577	P=0.752N	P=0.490	P=0.712
COCH-ARM / FISHERS	P=0.656	P=0.747	P=0.500	P=0.737
MAX-ISO-POLY-3	P=0.569	P=0.490N	P=0.279	P=0.454
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.173			
CURR VS HC ALL RTES	P=0.416			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Salivary Glands Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/45 (2%)
POLY-3 RATE (b)	1/43.21	0/46.30	0/42.71	1/35.44
POLY-3 PERCENT (g)	2.3%	0%	0%	2.8%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/149 (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)			

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**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
Basal or Sq. Cell Carcinoma, Carcinoma, Basosq. Tumor (M or B), Basal Cell Adenoma, Adenoma, Papilloma, Sq Papilloma, Keratoacanthoma, Trichoepithelioma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	1/43.21	0/46.30	1/43.65	2/38.47
POLY-3 PERCENT (g)	2.3%	0%	2.3%	5.2%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.185	P=0.486N	P=0.759N	P=0.459
POLY 1.5	P=0.195	P=0.490N	P=0.757N	P=0.470
POLY 6	P=0.173	P=0.483N	P=0.759	P=0.445
COCH-ARM / FISHERS	P=0.220	P=0.500N	P=0.753N	P=0.492
MAX-ISO-POLY-3	P=0.212	P=0.158N	P=0.496N	P=0.258
HISTCONT SAME RTE	P=0.136	(e)	P=1.000	P=0.299
HISTCONT ALL RTES	P=0.041*	(e)	P=0.241	P=0.080
CURR VS HC SAME RTE	P=0.321			
CURR VS HC ALL RTES	P=0.062			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Fibroma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 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%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Keratoacanthoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Schwannoma Malignant</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	1/46.78	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	2.1%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	585	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	2/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/43.21	0/46.30	1/43.65	2/38.47
POLY-3 PERCENT (g)	0%	0%	2.3%	5.2%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.066	(e)	P=0.502	P=0.212
POLY 1.5	P=0.071	(e)	P=0.504	P=0.218
POLY 6	P=0.061	(e)	P=0.499	P=0.203
COCH-ARM / FISHERS	P=0.083	(e)	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.079	(e)	P=0.161	P=0.074
HISTCONT SAME RTE	P=0.136	(e)	P=1.000	P=0.299
HISTCONT ALL RTES	P=0.041*	(e)	P=0.241	P=0.080
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Squamous Cell Papilloma, Papilloma, Squamous Cell Carcinoma or Keratoacanthoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/43.21	0/46.30	1/43.65	2/38.47
POLY-3 PERCENT (g)	0%	0%	2.3%	5.2%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.066	(e)	P=0.502	P=0.212
POLY 1.5	P=0.071	(e)	P=0.504	P=0.218
POLY 6	P=0.061	(e)	P=0.499	P=0.203
COCH-ARM / FISHERS	P=0.083	(e)	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.079	(e)	P=0.161	P=0.074
HISTCONT SAME RTE	P=0.136	(e)	P=1.000	P=0.299
HISTCONT ALL RTES	P=0.041*	(e)	P=0.241	P=0.080
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin</b>				
<b>Squamous Cell Papilloma, Papilloma, or Keratoacanthoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/43.21	0/46.30	1/43.65	2/38.47
POLY-3 PERCENT (g)	0%	0%	2.3%	5.2%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.066	(e)	P=0.502	P=0.212
POLY 1.5	P=0.071	(e)	P=0.504	P=0.218
POLY 6	P=0.061	(e)	P=0.499	P=0.203
COCH-ARM / FISHERS	P=0.083	(e)	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.079	(e)	P=0.161	P=0.074
HISTCONT SAME RTE	P=0.136	(e)	P=1.000	P=0.299
HISTCONT ALL RTES	P=0.041*	(e)	P=0.241	P=0.080
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thymus</b>				
<b>Thymoma: Benign, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/48 (0%)	1/46 (2%)
POLY-3 RATE (b)	0/43.21	0/45.92	0/42.11	1/36.47
POLY-3 PERCENT (g)	0%	0%	0%	2.7%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	---	---	---	729 (T)
HC TUMORS SAME ROUTE	1/50 (2%)			
HC TUMORS ALL ROUTES	9/147 (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)			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: C-Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	7/45 (16%)	6/49 (12%)	10/47 (21%)	4/42 (10%)
POLY-3 RATE (b)	7/41.28	6/45.68	10/41.38	4/34.12
POLY-3 PERCENT (g)	17%	13.1%	24.2%	11.7%
TERMINAL (d)	6/36 (17%)	5/39 (13%)	10/33 (30%)	4/28 (14%)
FIRST INCIDENCE	592	694	729 (T)	729 (T)
HC TUMORS SAME ROUTE	7/50 (14%)			
HC TUMORS ALL ROUTES	13/150 (9%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.411N	P=0.422N	P=0.295	P=0.378N
POLY 1.5	P=0.387N	P=0.427N	P=0.310	P=0.364N
POLY 6	P=0.438N	P=0.418N	P=0.274	P=0.396N
COCH-ARM / FISHERS	P=0.295N	P=0.433N	P=0.332	P=0.302N
MAX-ISO-POLY-3	P=0.414N	P=0.315N	P=0.211	P=0.278N
HISTCONT SAME RTE	P=0.524	P=1.000	P=0.244	P=1.000
HISTCONT ALL RTES	P=0.291	P=0.352	P=0.053	P=1.000
CURR VS HC SAME RTE	P=0.949			
CURR VS HC ALL RTES	P=0.250			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: C-Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	7/45 (16%)	6/49 (12%)	10/47 (21%)	4/42 (10%)
POLY-3 RATE (b)	7/41.28	6/45.68	10/41.38	4/34.12
POLY-3 PERCENT (g)	17%	13.1%	24.2%	11.7%
TERMINAL (d)	6/36 (17%)	5/39 (13%)	10/33 (30%)	4/28 (14%)
FIRST INCIDENCE	592	694	729 (T)	729 (T)
HC TUMORS SAME ROUTE	7/50 (14%)			
HC TUMORS ALL ROUTES	14/150 (9%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.411N	P=0.422N	P=0.295	P=0.378N
POLY 1.5	P=0.387N	P=0.427N	P=0.310	P=0.364N
POLY 6	P=0.438N	P=0.418N	P=0.274	P=0.396N
COCH-ARM / FISHERS	P=0.295N	P=0.433N	P=0.332	P=0.302N
MAX-ISO-POLY-3	P=0.414N	P=0.315N	P=0.211	P=0.278N
HISTCONT SAME RTE	P=0.524	P=1.000	P=0.244	P=1.000
HISTCONT ALL RTES	P=0.307	P=0.413	P=0.054	P=1.000
CURR VS HC SAME RTE	P=0.949			
CURR VS HC ALL RTES	P=0.308			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: Follicular Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/45 (2%)	3/49 (6%)	3/47 (6%)	1/42 (2%)
POLY-3 RATE (b)	1/40.82	3/45.55	3/41.38	1/34.68
POLY-3 PERCENT (g)	2.5%	6.6%	7.3%	2.9%
TERMINAL (d)	1/36 (3%)	3/39 (8%)	3/33 (9%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	553
HC TUMORS SAME ROUTE	3/50 (6%)			
HC TUMORS ALL ROUTES	5/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.494N	P=0.345	P=0.310	P=0.724
POLY 1.5	P=0.487N	P=0.342	P=0.314	P=0.726
POLY 6	P=0.501N	P=0.348	P=0.303	P=0.721
COCH-ARM / FISHERS	P=0.444N	P=0.341	P=0.325	P=0.735
MAX-ISO-POLY-3	P=0.437	P=0.190	P=0.158	P=0.456
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.477	P=0.300	P=0.249	P=1.000
CURR VS HC SAME RTE	P=0.380			
CURR VS HC ALL RTES	P=0.670			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: Follicular Cell Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/45 (0%)	0/49 (0%)	0/47 (0%)	0/42 (0%)
POLY-3 RATE (b)	0/40.82	0/45.55	0/41.38	0/34.12
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	1/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Thyroid Gland: Follicular Cell Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/45 (2%)	3/49 (6%)	3/47 (6%)	1/42 (2%)
POLY-3 RATE (b)	1/40.82	3/45.55	3/41.38	1/34.68
POLY-3 PERCENT (g)	2.5%	6.6%	7.3%	2.9%
TERMINAL (d)	1/36 (3%)	3/39 (8%)	3/33 (9%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	553
HC TUMORS SAME ROUTE	3/50 (6%)			
HC TUMORS ALL ROUTES	6/150 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.494N	P=0.345	P=0.310	P=0.724
POLY 1.5	P=0.487N	P=0.342	P=0.314	P=0.726
POLY 6	P=0.501N	P=0.348	P=0.303	P=0.721
COCH-ARM / FISHERS	P=0.444N	P=0.341	P=0.325	P=0.735
MAX-ISO-POLY-3	P=0.437	P=0.190	P=0.158	P=0.456
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.572	P=0.404	P=0.318	P=1.000
CURR VS HC SAME RTE	P=0.380			
CURR VS HC ALL RTES	P=0.527			



Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Uterus Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	1/43.68	1/46.30	3/43.93	2/38.47
POLY-3 PERCENT (g)	2.3%	2.2%	6.8%	5.2%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	592	729 (T)	686	729 (T)
HC TUMORS SAME ROUTE	3/50 (6%)			
HC TUMORS ALL ROUTES	7/150 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.332	P=0.748N	P=0.307	P=0.456
POLY 1.5	P=0.353	P=0.750N	P=0.311	P=0.468
POLY 6	P=0.307	P=0.746N	P=0.301	P=0.439
COCH-ARM / FISHERS	P=0.403	P=0.753N	P=0.309	P=0.492
MAX-ISO-POLY-3	P=0.342	P=0.483N	P=0.156	P=0.256
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	P=0.529	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.304			
CURR VS HC ALL RTEs	P=0.386			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Uterus</b>				
<b>Polyp Stromal</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	6/50 (12%)	7/50 (14%)	5/49 (10%)
POLY-3 RATE (b)	3/43.68	6/46.78	7/43.93	5/39.03
POLY-3 PERCENT (g)	6.9%	12.8%	15.9%	12.8%
TERMINAL (d)	2/37 (5%)	5/39 (13%)	6/33 (18%)	4/28 (14%)
FIRST INCIDENCE	592	585	655	553
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	10/150 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.388	P=0.277	P=0.158	P=0.296
POLY 1.5	P=0.417	P=0.268	P=0.163	P=0.310
POLY 6	P=0.351	P=0.284	P=0.150	P=0.275
COCH-ARM / FISHERS	P=0.491	P=0.243	P=0.159	P=0.346
MAX-ISO-POLY-3	P=0.267	P=0.181	P=0.091	P=0.194
HISTCONT SAME RTE	P=0.157	P=0.235	P=0.213	P=0.243
HISTCONT ALL RTES	P=0.185	P=0.140	P=0.072	P=0.173
CURR VS HC SAME RTE	P=0.707			
CURR VS HC ALL RTES	P=0.848			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Uterus</b>				
<b>Sarcoma Stromal or Polyp Stromal</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	6/50 (12%)	8/50 (16%)	5/49 (10%)
POLY-3 RATE (b)	3/43.68	6/46.78	8/43.93	5/39.03
POLY-3 PERCENT (g)	6.9%	12.8%	18.2%	12.8%
TERMINAL (d)	2/37 (5%)	5/39 (13%)	7/33 (21%)	4/28 (14%)
FIRST INCIDENCE	592	585	655	553
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	12/150 (8%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.390	P=0.277	P=0.099	P=0.296
POLY 1.5	P=0.421	P=0.268	P=0.103	P=0.310
POLY 6	P=0.350	P=0.284	P=0.092	P=0.275
COCH-ARM / FISHERS	P=0.499	P=0.243	P=0.100	P=0.346
MAX-ISO-POLY-3	P=0.216	P=0.181	P=0.053	P=0.194
HISTCONT SAME RTE	P=0.168	P=0.235	P=0.201	P=0.243
HISTCONT ALL RTES	P=0.237	P=0.271	P=0.080	P=0.309
CURR VS HC SAME RTE	P=0.707			
CURR VS HC ALL RTES	P=0.639			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Uterus</b>				
<b>Schwannoma Malignant</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	1/43.21	0/46.30	2/44.84	1/38.64
POLY-3 PERCENT (g)	2.3%	0%	4.5%	2.6%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	508	686
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	1/150 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.487	P=0.486N	P=0.513	P=0.735
POLY 1.5	P=0.504	P=0.490N	P=0.512	P=0.742
POLY 6	P=0.466	P=0.483N	P=0.512	P=0.727
COCH-ARM / FISHERS	P=0.549	P=0.500N	P=0.500	P=0.747
MAX-ISO-POLY-3	P=0.400	P=0.158N	P=0.294	P=0.469
HISTCONT SAME RTE	P=0.245	(e)	P=0.312	P=0.478
HISTCONT ALL RTES	P=0.199	P=1.000	P=0.139	P=0.459
CURR VS HC SAME RTE	P=0.318			
CURR VS HC ALL RTES	P=0.425			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	2/37 (5%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	5/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.297N	P=0.222N	P=0.235N	P=0.264N
POLY 1.5	P=0.293N	P=0.226N	P=0.233N	P=0.257N
POLY 6	P=0.301N	P=0.219N	P=0.238N	P=0.273N
COCH-ARM / FISHERS	P=0.281N	P=0.247N	P=0.247N	P=0.253N
MAX-ISO-POLY-3	P=0.057N	P=0.076N	P=0.076N	P=0.100N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.952			
CURR VS HC ALL RTEs	P=0.824			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/43.21	0/46.30	0/43.65	0/38.47
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	2/37 (5%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
HC TUMORS SAME ROUTE	2/50 (4%)			
HC TUMORS ALL ROUTES	5/150 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.297N	P=0.222N	P=0.235N	P=0.264N
POLY 1.5	P=0.293N	P=0.226N	P=0.233N	P=0.257N
POLY 6	P=0.301N	P=0.219N	P=0.238N	P=0.273N
COCH-ARM / FISHERS	P=0.281N	P=0.247N	P=0.247N	P=0.253N
MAX-ISO-POLY-3	P=0.057N	P=0.076N	P=0.076N	P=0.100N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.952			
CURR VS HC ALL RTEs	P=0.824			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/43.21	0/46.30	1/43.71	1/39.32
POLY-3 PERCENT (g)	0%	0%	2.3%	2.5%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	715	385
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (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 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Leukemia: Granulocytic</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	2/44.34	0/38.47
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	569	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	0/150 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.726	(e)	P=0.243	(e)
POLY 1.5	P=0.721N	(e)	P=0.243	(e)
POLY 6	P=0.704	(e)	P=0.241	(e)
COCH-ARM / FISHERS	P=0.690N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.281	(e)	P=0.081	(e)
HISTCONT SAME RTE	P=0.401	(e)	P=0.311	(e)
HISTCONT ALL RTES	P=0.280	(e)	P=0.077	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=1.000			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.21	3/46.72	0/43.65	0/38.47
POLY-3 PERCENT (g)	0%	6.4%	0%	0%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	651	---	---
HC TUMORS SAME ROUTE	0/50 (0%)			
HC TUMORS ALL ROUTES	3/150 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.239N	P=0.133	(e)	(e)
POLY 1.5	P=0.238N	P=0.129	(e)	(e)
POLY 6	P=0.242N	P=0.138	(e)	(e)
COCH-ARM / FISHERS	P=0.240N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.230N	P=0.050*	(e)	(e)
HISTCONT SAME RTE	P=0.514	P=0.258	(e)	(e)
HISTCONT ALL RTES	P=0.770	P=0.147	(e)	(e)
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.286			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	37/50 (74%)	35/50 (70%)	41/50 (82%)	43/49 (88%)
POLY-3 RATE (b)	37/46.91	35/49.45	41/48.65	43/44.87
POLY-3 PERCENT (g)	78.9%	70.8%	84.3%	95.8%
TERMINAL (d)	29/37 (78%)	27/39 (69%)	28/33 (85%)	27/28 (96%)
FIRST INCIDENCE	445	358	368	396
HC TUMORS SAME ROUTE	38/50 (76%)			
HC TUMORS ALL ROUTES	118/150 (79%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	P=0.246N	P=0.334	P=0.012*
POLY 1.5	P=0.002**	P=0.277N	P=0.325	P=0.014*
POLY 6	P=0.002**	P=0.222N	P=0.341	P=0.012*
COCH-ARM / FISHERS	P=0.024*	P=0.412N	P=0.235	P=0.068
MAX-ISO-POLY-3	P=0.003**	P=0.184N	P=0.246	P=0.005**
HISTCONT SAME RTE	P=0.108	P=1.000	P=0.306	P=0.180
HISTCONT ALL RTES	P=0.058	P=1.000	P=1.000	P=0.038*
CURR VS HC SAME RTE	P=0.876			
CURR VS HC ALL RTES	P=0.496			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

Date Report Requested: 08/05/2014  
 Time Report Requested: 10:18:12  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	10/50 (20%)	8/50 (16%)	13/50 (26%)	16/49 (33%)
POLY-3 RATE (b)	10/44.52	8/47.63	13/46.75	16/40.55
POLY-3 PERCENT (g)	22.5%	16.8%	27.8%	39.5%
TERMINAL (d)	7/37 (19%)	3/39 (8%)	3/33 (9%)	10/28 (36%)
FIRST INCIDENCE	585	585	508	385
HC TUMORS SAME ROUTE	10/50 (20%)			
HC TUMORS ALL ROUTES	37/150 (25%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.014*	P=0.337N	P=0.365	P=0.069
POLY 1.5	P=0.019*	P=0.352N	P=0.356	P=0.080
POLY 6	P=0.010**	P=0.323N	P=0.372	P=0.056
COCH-ARM / FISHERS	P=0.038*	P=0.398N	P=0.318	P=0.115
MAX-ISO-POLY-3	P=0.023*	P=0.255N	P=0.284	P=0.049*
HISTCONT SAME RTE	P=0.107	P=1.000	P=0.280	P=0.192
HISTCONT ALL RTES	P=0.116	P=1.000	P=1.000	P=0.107
CURR VS HC SAME RTE	P=0.995			
CURR VS HC ALL RTES	P=0.523			

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	40/50 (80%)	38/50 (76%)	46/50 (92%)	44/49 (90%)
POLY-3 RATE (b)	40/47.76	38/49.75	46/50.00	44/45.72
POLY-3 PERCENT (g)	83.8%	76.4%	92%	96.2%
TERMINAL (d)	30/37 (81%)	28/39 (72%)	29/33 (88%)	27/28 (96%)
FIRST INCIDENCE	445	358	368	385
HC TUMORS SAME ROUTE	40/50 (80%)			
HC TUMORS ALL ROUTES	126/150 (84%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.007**	P=0.255N	P=0.171	P=0.043*
POLY 1.5	P=0.009**	P=0.273N	P=0.150	P=0.046*
POLY 6	P=0.007**	P=0.247N	P=0.189	P=0.039*
COCH-ARM / FISHERS	P=0.059	P=0.405N	P=0.074	P=0.140
MAX-ISO-POLY-3	P=0.012*	P=0.186N	P=0.108	P=0.021*
HISTCONT SAME RTE	P=0.145	P=1.000	P=0.220	P=0.193
HISTCONT ALL RTES	P=0.087	P=1.000	P=0.129	P=0.055
CURR VS HC SAME RTE	P=0.959			
CURR VS HC ALL RTES	P=0.560			

**Experiment Number:** 20209 - 03  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/Wistar Han

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

**Date Report Requested:** 08/05/2014  
**Time Report Requested:** 10:18:12  
**First Dose M/F:** 08/26/08 / 08/26/08  
**Lab:** SRI

## **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 \*\*\*