



Experiment Number: 20209 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

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

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 08/12/2014

Time Report Requested: 10:27:35

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

Lab: SRI

**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF PENTABROMODIPHENYL OXIDE (TECHNICAL) (DE 71)**

**MALE RATS**

**Organ**

Adrenal Cortex  
Brain  
Epididymis  
Intestine Large, Rectum  
Kidney  
Kidney: Pelvis

Liver

Liver: Hepatocyte

Liver: Oval Cell

Lung

Lung: Bronchus

Lymph Node, Mandibular

Mammary Gland

Preputial Gland: Duct

Prostate

Salivary Glands: Duct, Parotid Gland

Salivary Glands: Parotid Gland

Skin

Skin: Epidermis

Spleen

Spleen: Lymphoid Follicle

**Morphology**

Vacuolization Cytoplasmic  
Compression  
Inflammation Chronic  
Inflammation Acute  
Hydronephrosis  
Inflammation Chronic  
Mineralization  
Basophilic Focus  
Clear Cell Focus  
Congestion  
Eosinophilic Focus  
Fatty Change  
Hyperplasia  
Inflammation Chronic  
Pigmentation  
Hypertrophy  
Hyperplasia  
Infiltration Cellular Histiocyte  
Inflammation Chronic  
Hyperplasia Lymphoid  
Ectasia  
Pigmentation Hemosiderin  
Ectasia  
Inflammation Chronic  
Inflammation Acute  
Atrophy  
Vacuolization Cytoplasmic  
Hyperkeratosis  
Hyperplasia  
Hematopoietic Cell Proliferation  
Pigmentation  
Atrophy

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Stomach, Forestomach  
Stomach, Forestomach: Epithelium  
Testes  
Thymus

Hyperkeratosis  
Hyperplasia  
Degeneration  
Atrophy  
Ectopic Parathyroid Gland  
Hypertrophy

Thyroid Gland: Follicle

**FEMALE RATS**

**Organ**

Adrenal Cortex

Bone Marrow: Myeloid Cell

Eye: Retina

Heart

Kidney

Kidney: Pelvis

Liver

Liver: Bile Duct

Liver: Hepatocyte

Liver: Oval Cell

Lung

Lymph Node, Mandibular

Lymph Node: Popliteal

**Morphology**

Angiectasis  
Hyperplasia Focal  
Hyperplasia  
Atrophy  
Cardiomyopathy  
Hydronephrosis  
Nephropathy  
Pigmentation  
Inflammation Chronic  
Mineralization  
Basophilic Focus  
Cholangiofibrosis  
Clear Cell Focus  
Congestion  
Eosinophilic Focus  
Fatty Change  
Hematopoietic Cell Proliferation  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Cyst  
Hypertrophy  
Necrosis  
Hyperplasia  
Infiltration Cellular Histiocyte  
Hyperplasia Lymphoid  
Pigmentation

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Mammary Gland: Duct

Ovary

Pancreas

Spleen

Spleen: Lymphoid Follicle

Stomach, Forestomach

Thymus

Thyroid Gland: C-Cell

Thyroid Gland: Follicle

Thyroid Gland: Follicular Cell

Uterus

Uterus: Cervix

Dilatation

Hyperplasia Tubulostromal

Inflammation Chronic

Hematopoietic Cell Proliferation

Atrophy

Inflammation Acute

Mineralization

Atrophy

Hyperplasia

Cyst

Hypertrophy

Hyperplasia

Metaplasia

Hyperplasia

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/49 (27%)	17/49 (35%)	15/50 (30%)	18/49 (37%)
POLY-3 RATE (b)	13/43.55	17/42.83	15/44.12	18/41.37
POLY-3 PERCENT (g)	29.9%	39.7%	34%	43.5%
TERMINAL (d)	9/36 (25%)	13/35 (37%)	13/38 (34%)	11/25 (44%)
FIRST INCIDENCE	619	301	602	424
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.185	P=0.230	P=0.426	P=0.137
POLY 1.5	P=0.221	P=0.243	P=0.445	P=0.167
POLY 6	P=0.147	P=0.221	P=0.409	P=0.106
COCH-ARM / FISHERS	P=0.248	P=0.256	P=0.437	P=0.193
MAX-ISO-POLY-3	P=0.164	P=0.170	P=0.338	P=0.098

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TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Adrenal Cortex  
Hematopoietic Cell Proliferation

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**LESION RATES**

OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/42.38	0/41.16	0/43.29	0/38.75
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Adrenal Cortex Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/49 (27%)	10/49 (20%)	18/50 (36%)	16/49 (33%)
POLY-3 RATE (b)	13/42.73	10/41.16	18/44.59	16/39.63
POLY-3 PERCENT (g)	30.4%	24.3%	40.4%	40.4%
TERMINAL (d)	12/36 (33%)	10/35 (29%)	15/38 (40%)	12/25 (48%)
FIRST INCIDENCE	630	729 (T)	592	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.117	P=0.350N	P=0.226	P=0.235
POLY 1.5	P=0.150	P=0.336N	P=0.230	P=0.284
POLY 6	P=0.086	P=0.359N	P=0.233	P=0.187
COCH-ARM / FISHERS	P=0.183	P=0.317N	P=0.212	P=0.329
MAX-ISO-POLY-3	P=0.187	P=0.269N	P=0.168	P=0.178

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Adrenal Cortex</b>				
<b>Hypertrophy Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/49 (18%)	11/49 (22%)	7/50 (14%)	8/49 (16%)
POLY-3 RATE (b)	9/42.58	11/41.64	7/43.29	8/39.66
POLY-3 PERCENT (g)	21.1%	26.4%	16.2%	20.2%
TERMINAL (d)	8/36 (22%)	9/35 (26%)	7/38 (18%)	6/25 (24%)
FIRST INCIDENCE	676	647	729 (T)	505
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.413N	P=0.377	P=0.377N	P=0.565N
POLY 1.5	P=0.379N	P=0.385	P=0.367N	P=0.528N
POLY 6	P=0.459N	P=0.378	P=0.384N	P=0.607
COCH-ARM / FISHERS	P=0.356N	P=0.401	P=0.376N	P=0.500N
MAX-ISO-POLY-3	P=0.439N	P=0.287	P=0.279N	P=0.458N



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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Adrenal Cortex</b>				
<b>Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	12/49 (24%)	9/49 (18%)	10/50 (20%)	17/49 (35%)
<b>POLY-3 RATE (b)</b>	12/42.81	9/42.77	10/43.98	17/41.41
<b>POLY-3 PERCENT (g)</b>	28%	21%	22.7%	41.1%
<b>TERMINAL (d)</b>	10/36 (28%)	6/35 (17%)	8/38 (21%)	11/25 (44%)
<b>FIRST INCIDENCE</b>	669	301	592	424
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.036*	P=0.309N	P=0.375N	P=0.149
<b>POLY 1.5</b>	P=0.044*	P=0.307N	P=0.367N	P=0.173
<b>POLY 6</b>	P=0.028*	P=0.307N	P=0.376N	P=0.123
<b>COCH-ARM / FISHERS</b>	P=0.052	P=0.312N	P=0.384N	P=0.188
<b>MAX-ISO-POLY-3</b>	P=0.059	P=0.227N	P=0.288N	P=0.104

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TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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**Bone Marrow: Myeloid Cell  
Hyperplasia**

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**LESION RATES**

OVERALL (a)	0/49 (0%)	0/48 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/40.26	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	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/49 (20%)	9/50 (18%)	10/50 (20%)	26/50 (52%)
POLY-3 RATE (b)	10/46.09	9/44.54	10/46.38	26/47.55
POLY-3 PERCENT (g)	21.7%	20.2%	21.6%	54.7%
TERMINAL (d)	2/36 (6%)	3/35 (9%)	4/38 (11%)	7/25 (28%)
FIRST INCIDENCE	508	301	436	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.533N	P=0.593N	P<0.001**
POLY 1.5	P<0.001**	P=0.509N	P=0.576N	P<0.001**
POLY 6	P<0.001**	P=0.557N	P=0.591	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.480N	P=0.579N	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.431N	P=0.493N	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>Epididymis Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/42.38	0/41.85	0/43.29	3/39.41
POLY-3 PERCENT (g)	0%	0%	0%	7.6%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	2/25 (8%)
FIRST INCIDENCE	---	---	---	701
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.007**	(e)	(e)	P=0.106
POLY 1.5	P=0.007**	(e)	(e)	P=0.114
POLY 6	P=0.006**	(e)	(e)	P=0.096
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.125
MAX-ISO-POLY-3	P=0.010**	(e)	(e)	P=0.038*

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TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Eye: Retina  
Atrophy

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**LESION RATES**

OVERALL (a)	6/46 (13%)	8/46 (17%)	8/50 (16%)	3/45 (7%)
POLY-3 RATE (b)	6/40.57	8/39.74	8/43.98	3/35.86
POLY-3 PERCENT (g)	14.8%	20.1%	18.2%	8.4%
TERMINAL (d)	6/36 (17%)	8/35 (23%)	6/38 (16%)	2/24 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	592	424

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**STATISTICAL TESTS**

POLY 3	P=0.161N	P=0.369	P=0.450	P=0.305N
POLY 1.5	P=0.137N	P=0.382	P=0.460	P=0.275N
POLY 6	P=0.196N	P=0.361	P=0.445	P=0.342N
COCH-ARM / FISHERS	P=0.118N	P=0.386	P=0.453	P=0.254N
MAX-ISO-POLY-3	P=0.240N	P=0.267	P=0.340	P=0.206N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	33/49 (67%)	32/50 (64%)	34/50 (68%)	29/50 (58%)
<b>POLY-3 RATE (b)</b>	33/44.70	32/45.18	34/47.14	29/43.69
<b>POLY-3 PERCENT (g)</b>	73.8%	70.8%	72.1%	66.4%
<b>TERMINAL (d)</b>	26/36 (72%)	25/35 (71%)	27/38 (71%)	17/25 (68%)
<b>FIRST INCIDENCE</b>	553	301	476	310
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.274N	P=0.466N	P=0.521N	P=0.290N
<b>POLY 1.5</b>	P=0.210N	P=0.441N	P=0.522N	P=0.227N
<b>POLY 6</b>	P=0.360N	P=0.499N	P=0.516N	P=0.378N
<b>COCH-ARM / FISHERS</b>	P=0.199N	P=0.445N	P=0.558	P=0.226N
<b>MAX-ISO-POLY-3</b>	P=0.358N	P=0.371N	P=0.426N	P=0.218N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Intestine Large, Rectum Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/46 (0%)	0/49 (0%)	2/47 (4%)
POLY-3 RATE (b)	0/41.89	0/39.04	0/43.00	2/37.10
POLY-3 PERCENT (g)	0%	0%	0%	5.4%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	1/25 (4%)
FIRST INCIDENCE	---	---	---	698
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.035*	(e)	(e)	P=0.211
POLY 1.5	P=0.037*	(e)	(e)	P=0.222
POLY 6	P=0.033*	(e)	(e)	P=0.198
COCH-ARM / FISHERS	P=0.040*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.074

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TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney</b>				
<b>Casts Protein</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/46 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.38	0/39.74	0/43.29	1/39.41
POLY-3 PERCENT (g)	0%	0%	0%	2.5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	---	701
<hr/>				
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	0/46 (0%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	1/42.38	0/39.74	4/44.29	0/39.30
POLY-3 PERCENT (g)	2.4%	0%	9%	0%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	2/38 (5%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	---	553	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.467N	P=0.513N	P=0.192	P=0.515N
POLY 1.5	P=0.440N	P=0.511N	P=0.192	P=0.505N
POLY 6	P=0.504N	P=0.512N	P=0.194	P=0.528N
COCH-ARM / FISHERS	P=0.416N	P=0.516N	P=0.187	P=0.495N
MAX-ISO-POLY-3	P=0.260N	P=0.171N	P=0.095	P=0.178N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney</b>				
<b>Hydronephrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	5/46 (11%)	8/50 (16%)	10/50 (20%)
POLY-3 RATE (b)	1/42.76	5/40.67	8/44.66	10/41.25
POLY-3 PERCENT (g)	2.3%	12.3%	17.9%	24.2%
TERMINAL (d)	0/36 (0%)	4/35 (11%)	6/38 (16%)	6/25 (24%)
FIRST INCIDENCE	620	301	289	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.008**	P=0.089	P=0.018*	P=0.003**
POLY 1.5	P=0.011*	P=0.091	P=0.019*	P=0.004**
POLY 6	P=0.006**	P=0.089	P=0.018*	P=0.002**
COCH-ARM / FISHERS	P=0.014*	P=0.088	P=0.017*	P=0.004**
MAX-ISO-POLY-3	P=0.004**	P=0.039*	P=0.008**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	0/46 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.38	0/39.74	0/43.29	1/40.07
POLY-3 PERCENT (g)	2.4%	0%	0%	2.5%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	---	---	448
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	37/49 (76%)	35/46 (76%)	32/50 (64%)	37/50 (74%)
POLY-3 RATE (b)	37/45.00	35/42.92	32/45.47	37/45.89
POLY-3 PERCENT (g)	82.2%	81.5%	70.4%	80.6%
TERMINAL (d)	30/36 (83%)	29/35 (83%)	28/38 (74%)	21/25 (84%)
FIRST INCIDENCE	515	301	476	310
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.537N	P=0.580N	P=0.129N	P=0.530N
POLY 1.5	P=0.492N	P=0.559N	P=0.112N	P=0.476N
POLY 6	P=0.546	P=0.581N	P=0.149N	P=0.589N
COCH-ARM / FISHERS	P=0.509N	P=0.569	P=0.152N	P=0.523N
MAX-ISO-POLY-3	P=0.339N	P=0.465N	P=0.082N	P=0.416N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/46 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/39.74	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	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney: Pelvis Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	22/49 (45%)	14/46 (30%)	8/50 (16%)	2/50 (4%)
POLY-3 RATE (b)	22/44.49	14/40.40	8/44.21	2/39.69
POLY-3 PERCENT (g)	49.5%	34.7%	18.1%	5%
TERMINAL (d)	18/36 (50%)	12/35 (34%)	6/38 (16%)	1/25 (4%)
FIRST INCIDENCE	515	585	592	619
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.121N	P<0.001N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.108N	P<0.001N**	P<0.001N**
POLY 6	P<0.001N**	P=0.126N	P<0.001N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.107N	P=0.002N**	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.088N	P<0.001N**	P<0.001N**

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney: Pelvis Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/49 (37%)	5/46 (11%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	18/44.09	5/39.92	5/43.68	3/40.10
POLY-3 PERCENT (g)	40.8%	12.5%	11.5%	7.5%
TERMINAL (d)	13/36 (36%)	4/35 (11%)	4/38 (11%)	1/25 (4%)
FIRST INCIDENCE	553	682	617	609
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003N**	P=0.003N**	P<0.001N**	P<0.001N**
POLY 1.5	P=0.002N**	P=0.002N**	P<0.001N**	P<0.001N**
POLY 6	P=0.004N**	P=0.003N**	P<0.001N**	P<0.001N**
COCH-ARM / FISHERS	P=0.003N**	P=0.003N**	P=0.002N**	P<0.001N**
MAX-ISO-POLY-3	P<0.001N**	P=0.002N**	P<0.001N**	P<0.001N**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 08/12/2014  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Kidney: Transitional Epithelium  
Hyperplasia

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**LESION RATES**

OVERALL (a)	0/49 (0%)	1/46 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.38	1/39.74	0/43.29	1/39.69
POLY-3 PERCENT (g)	0%	2.5%	0%	2.5%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	---	619

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Lacrimal Gland Karyomegaly				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	1/1 (100%)	2/2 (100%)
POLY-3 RATE (b)	0/0.00	0/0.00	1/1.00	2/2.00
POLY-3 PERCENT (g)	0%	0%	100%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	1/1 (100%)	2/2 (100%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver				
Angiectasis				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/42.38	0/41.85	1/43.29	1/39.30
POLY-3 PERCENT (g)	0%	0%	2.3%	2.5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/38 (3%)	1/25 (4%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/49 (33%)	21/50 (42%)	11/50 (22%)	11/50 (22%)
POLY-3 RATE (b)	16/42.61	21/41.85	11/43.75	11/40.70
POLY-3 PERCENT (g)	37.6%	50.2%	25.2%	27%
TERMINAL (d)	15/36 (42%)	21/35 (60%)	10/38 (26%)	7/25 (28%)
FIRST INCIDENCE	669	729 (T)	595	585
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.058N	P=0.166	P=0.154N	P=0.212N
POLY 1.5	P=0.049N*	P=0.189	P=0.150N	P=0.182N
POLY 6	P=0.071N	P=0.148	P=0.153N	P=0.247N
COCH-ARM / FISHERS	P=0.048N*	P=0.226	P=0.168N	P=0.168N
MAX-ISO-POLY-3	P=0.074N	P=0.120	P=0.106N	P=0.156N

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

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<hr/>				
Liver				
Cholangiofibrosis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/42.38	0/41.85	1/43.75	1/39.30
POLY-3 PERCENT (g)	0%	0%	2.3%	2.5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	1/25 (4%)
FIRST INCIDENCE	---	---	592	729 (T)
<hr/>				
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	39/49 (80%)	37/50 (74%)	35/50 (70%)	29/50 (58%)
POLY-3 RATE (b)	39/43.59	37/42.80	35/43.85	29/40.50
POLY-3 PERCENT (g)	89.5%	86.5%	79.8%	71.6%
TERMINAL (d)	36/36 (100%)	35/35 (100%)	34/38 (90%)	24/25 (96%)
FIRST INCIDENCE	537	585	553	585
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.009N**	P=0.452N	P=0.135N	P=0.016N*
POLY 1.5	P=0.006N**	P=0.385N	P=0.127N	P=0.011N*
POLY 6	P=0.016N*	P=0.528N	P=0.138N	P=0.028N*
COCH-ARM / FISHERS	P=0.012N*	P=0.337N	P=0.193N	P=0.017N*
MAX-ISO-POLY-3	P=0.014N*	P=0.305N	P=0.074N	P=0.009N**

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

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/49 (8%)	3/50 (6%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	4/43.04	3/42.42	0/43.29	2/39.45
POLY-3 PERCENT (g)	9.3%	7.1%	0%	5.1%
TERMINAL (d)	3/36 (8%)	1/35 (3%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	508	647	---	701
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.343N	P=0.508N	P=0.059N	P=0.378N
POLY 1.5	P=0.331N	P=0.501N	P=0.057N	P=0.351N
POLY 6	P=0.358N	P=0.510N	P=0.060N	P=0.409N
COCH-ARM / FISHERS	P=0.320N	P=0.489N	P=0.056N	P=0.329N
MAX-ISO-POLY-3	P=0.155N	P=0.356N	P=0.019N*	P=0.243N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	3/50 (6%)	12/50 (24%)	15/50 (30%)
POLY-3 RATE (b)	3/42.38	3/41.85	12/44.23	15/41.00
POLY-3 PERCENT (g)	7.1%	7.2%	27.1%	36.6%
TERMINAL (d)	3/36 (8%)	3/35 (9%)	10/38 (26%)	10/25 (40%)
FIRST INCIDENCE	729 (T)	729 (T)	480	505
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.657	P=0.013*	P<0.001**
POLY 1.5	P<0.001**	P=0.662N	P=0.013*	P<0.001**
POLY 6	P<0.001**	P=0.654	P=0.013*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.651N	P=0.013*	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.493	P=0.006**	P<0.001**

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	32/49 (65%)	37/50 (74%)	48/50 (96%)	48/50 (96%)
POLY-3 RATE (b)	32/45.57	37/45.77	48/48.78	48/49.23
POLY-3 PERCENT (g)	70.2%	80.8%	98.4%	97.5%
TERMINAL (d)	24/36 (67%)	28/35 (80%)	38/38 (100%)	24/25 (96%)
FIRST INCIDENCE	515	301	289	310
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.168	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.197	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.149	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.235	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.113	P<0.001**	P<0.001**



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.85	1/44.23	0/39.30
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	289	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.38	0/41.85	1/43.85	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)	---	553	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.303N	P=0.240N	P=0.488N	P=0.254N
POLY 1.5	P=0.296N	P=0.237N	P=0.486N	P=0.242N
POLY 6	P=0.312N	P=0.241N	P=0.487N	P=0.269N
COCH-ARM / FISHERS	P=0.292N	P=0.242N	P=0.492N	P=0.242N
MAX-ISO-POLY-3	P=0.104N	P=0.080N	P=0.272N	P=0.093N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.38	1/41.85	0/43.29	1/39.97
POLY-3 PERCENT (g)	0%	2.4%	0%	2.5%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	---	505
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hyperplasia</b>				
<b>LESION 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	3/43.75	0/39.30
POLY-3 PERCENT (g)	0%	0%	6.9%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	2/38 (5%)	0/25 (0%)
FIRST INCIDENCE	---	---	592	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.667N	(e)	P=0.124	(e)
POLY 1.5	P=0.646N	(e)	P=0.125	(e)
POLY 6	P=0.688	(e)	P=0.124	(e)
COCH-ARM / FISHERS	P=0.629N	(e)	P=0.125	(e)
MAX-ISO-POLY-3	P=0.194	(e)	P=0.042*	(e)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/50 (4%)	0/50 (0%)	5/50 (10%)
POLY-3 RATE (b)	1/42.77	2/41.85	0/43.29	5/40.75
POLY-3 PERCENT (g)	2.3%	4.8%	0%	12.3%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	0/38 (0%)	1/25 (4%)
FIRST INCIDENCE	619	729 (T)	---	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.027*	P=0.492	P=0.498N	P=0.090
POLY 1.5	P=0.029*	P=0.499	P=0.495N	P=0.099
POLY 6	P=0.024*	P=0.487	P=0.500N	P=0.079
COCH-ARM / FISHERS	P=0.032*	P=0.508	P=0.495N	P=0.107
MAX-ISO-POLY-3	P=0.030*	P=0.277	P=0.157N	P=0.042*

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	3/50 (6%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	2/42.38	3/41.85	1/43.29	4/39.30
POLY-3 PERCENT (g)	4.7%	7.2%	2.3%	10.2%
TERMINAL (d)	2/36 (6%)	3/35 (9%)	1/38 (3%)	4/25 (16%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.247	P=0.494	P=0.493N	P=0.302
POLY 1.5	P=0.265	P=0.500	P=0.489N	P=0.326
POLY 6	P=0.226	P=0.491	P=0.494N	P=0.274
COCH-ARM / FISHERS	P=0.280	P=0.510	P=0.492N	P=0.349
MAX-ISO-POLY-3	P=0.264	P=0.320	P=0.275N	P=0.183

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	0/42.38	0/41.85	1/43.85	6/40.69
POLY-3 PERCENT (g)	0%	0%	2.3%	14.8%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	2/25 (8%)
FIRST INCIDENCE	---	---	553	448
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.507	P=0.013*
POLY 1.5	P<0.001**	(e)	P=0.508	P=0.015*
POLY 6	P<0.001**	(e)	P=0.507	P=0.011*
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.505	P=0.014*
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.166	P=0.004**

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

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Bile Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.38	0/41.85	0/43.29	1/39.54
POLY-3 PERCENT (g)	0%	0%	0%	2.5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	---	666
<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)



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/49 (33%)	16/50 (32%)	16/50 (32%)	16/50 (32%)
POLY-3 RATE (b)	16/43.12	16/42.78	16/43.52	16/42.20
POLY-3 PERCENT (g)	37.1%	37.4%	36.8%	37.9%
TERMINAL (d)	14/36 (39%)	15/35 (43%)	15/38 (40%)	9/25 (36%)
FIRST INCIDENCE	620	301	669	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.524	P=0.578	P=0.576N	P=0.559
POLY 1.5	P=0.547N	P=0.576N	P=0.552N	P=0.574N
POLY 6	P=0.474	P=0.554	P=0.586	P=0.505
COCH-ARM / FISHERS	P=0.537N	P=0.558N	P=0.558N	P=0.558N
MAX-ISO-POLY-3	P=0.713	P=0.488	P=0.486N	P=0.468

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Hepatocyte Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	44/50 (88%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	1/42.38	44/46.59	50/50.00	50/50.00
POLY-3 PERCENT (g)	2.4%	94.4%	100%	100%
TERMINAL (d)	1/36 (3%)	35/35 (100%)	38/38 (100%)	25/25 (100%)
FIRST INCIDENCE	729 (T)	301	289	310
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/49 (8%)	2/50 (4%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	4/43.93	2/41.85	1/43.29	5/41.75
POLY-3 PERCENT (g)	9.1%	4.8%	2.3%	12%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	537	729 (T)	729 (T)	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.222	P=0.360N	P=0.183N	P=0.468
POLY 1.5	P=0.232	P=0.346N	P=0.175N	P=0.496
POLY 6	P=0.208	P=0.373N	P=0.190N	P=0.433
COCH-ARM / FISHERS	P=0.234	P=0.329N	P=0.175N	P=0.513
MAX-ISO-POLY-3	P=0.203	P=0.224N	P=0.089N	P=0.337

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Oval Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/42.38	0/41.85	2/43.29	3/39.95
POLY-3 PERCENT (g)	0%	0%	4.6%	7.5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	2/38 (5%)	1/25 (4%)
FIRST INCIDENCE	---	---	729 (T)	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.032*	(e)	P=0.242	P=0.108
POLY 1.5	P=0.036*	(e)	P=0.244	P=0.116
POLY 6	P=0.028*	(e)	P=0.241	P=0.100
COCH-ARM / FISHERS	P=0.040*	(e)	P=0.253	P=0.125
MAX-ISO-POLY-3	P=0.044*	(e)	P=0.079	P=0.038*

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	24/49 (49%)	24/50 (48%)	32/50 (64%)	30/50 (60%)
<b>POLY-3 RATE (b)</b>	24/43.28	24/44.69	32/45.81	30/42.49
<b>POLY-3 PERCENT (g)</b>	55.5%	53.7%	69.9%	70.6%
<b>TERMINAL (d)</b>	22/36 (61%)	19/35 (54%)	26/38 (68%)	20/25 (80%)
<b>FIRST INCIDENCE</b>	574	301	553	310
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.054	P=0.520N	P=0.111	P=0.098
<b>POLY 1.5</b>	P=0.091	P=0.523N	P=0.112	P=0.146
<b>POLY 6</b>	P=0.028*	P=0.506N	P=0.129	P=0.060
<b>COCH-ARM / FISHERS</b>	P=0.133	P=0.541N	P=0.096	P=0.184
<b>MAX-ISO-POLY-3</b>	P=0.087	P=0.432N	P=0.079	P=0.066

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.81	1/42.85	0/43.29	1/40.01
POLY-3 PERCENT (g)	4.7%	2.3%	0%	2.5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	630	3	---	480
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.534N	P=0.500N	P=0.234N	P=0.524N
POLY 1.5	P=0.528N	P=0.494N	P=0.231N	P=0.506N
POLY 6	P=0.540N	P=0.505N	P=0.237N	P=0.546N
COCH-ARM / FISHERS	P=0.522N	P=0.492N	P=0.242N	P=0.492N
MAX-ISO-POLY-3	P=0.265N	P=0.281N	P=0.075N	P=0.307N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/49 (8%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	4/44.38	0/41.85	0/43.29	1/39.97
POLY-3 PERCENT (g)	9%	0%	0%	2.5%
TERMINAL (d)	2/36 (6%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	3	---	---	505
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.334N	P=0.068N	P=0.063N	P=0.212N
POLY 1.5	P=0.332N	P=0.066N	P=0.062N	P=0.197N
POLY 6	P=0.339N	P=0.069N	P=0.064N	P=0.231N
COCH-ARM / FISHERS	P=0.341N	P=0.056N	P=0.056N	P=0.175N
MAX-ISO-POLY-3	P=0.027N*	P=0.026N*	P=0.022N*	P=0.116N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.85	2/43.29	0/39.30
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	2/38 (5%)	0/25 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.710N	(e)	P=0.242	(e)
POLY 1.5	P=0.695N	(e)	P=0.244	(e)
POLY 6	P=0.725	(e)	P=0.241	(e)
COCH-ARM / FISHERS	P=0.683N	(e)	P=0.253	(e)
MAX-ISO-POLY-3	P=0.276	(e)	P=0.079	(e)



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	3/50 (6%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	2/42.38	3/41.85	1/43.29	5/39.30
POLY-3 PERCENT (g)	4.7%	7.2%	2.3%	12.7%
TERMINAL (d)	2/36 (6%)	3/35 (9%)	1/38 (3%)	5/25 (20%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.119	P=0.494	P=0.493N	P=0.185
POLY 1.5	P=0.131	P=0.500	P=0.489N	P=0.206
POLY 6	P=0.105	P=0.491	P=0.494N	P=0.162
COCH-ARM / FISHERS	P=0.142	P=0.510	P=0.492N	P=0.226
MAX-ISO-POLY-3	P=0.134	P=0.320	P=0.275N	P=0.107

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Bronchus Hyperplasia Lymphoid</b>				
<b>LESION 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	2/39.30
POLY-3 PERCENT (g)	0%	0%	0%	5.1%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	2/25 (8%)
FIRST INCIDENCE	---	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.037*	(e)	(e)	P=0.220
POLY 1.5	P=0.039*	(e)	(e)	P=0.232
POLY 6	P=0.034*	(e)	(e)	P=0.207
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.036*	(e)	(e)	P=0.076

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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, Mandibular Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/48 (4%)	7/49 (14%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	2/42.38	7/41.16	8/43.75	7/39.50
POLY-3 PERCENT (g)	4.7%	17%	18.3%	17.7%
TERMINAL (d)	2/36 (6%)	7/35 (20%)	7/38 (18%)	6/25 (24%)
FIRST INCIDENCE	729 (T)	729 (T)	592	676
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.182	P=0.070	P=0.049*	P=0.061
POLY 1.5	P=0.215	P=0.074	P=0.051	P=0.073
POLY 6	P=0.147	P=0.069	P=0.049*	P=0.050*
COCH-ARM / FISHERS	P=0.257	P=0.084	P=0.053	P=0.090
MAX-ISO-POLY-3	P=0.083	P=0.036*	P=0.024*	P=0.034*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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, Mandibular Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/48 (8%)	1/49 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	4/42.58	1/41.16	2/43.29	1/39.30
POLY-3 PERCENT (g)	9.4%	2.4%	4.6%	2.5%
TERMINAL (d)	3/36 (8%)	1/35 (3%)	2/38 (5%)	1/25 (4%)
FIRST INCIDENCE	676	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.273N	P=0.188N	P=0.329N	P=0.203N
POLY 1.5	P=0.259N	P=0.185N	P=0.324N	P=0.186N
POLY 6	P=0.292N	P=0.191N	P=0.333N	P=0.226N
COCH-ARM / FISHERS	P=0.249N	P=0.175N	P=0.319N	P=0.168N
MAX-ISO-POLY-3	P=0.140N	P=0.094N	P=0.195N	P=0.109N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node, Mandibular Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.16	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	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	2/49 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/42.38	2/41.16	2/43.29	1/39.50
POLY-3 PERCENT (g)	0%	4.9%	4.6%	2.5%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	2/38 (5%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	676
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.613	P=0.230	P=0.242	P=0.486
POLY 1.5	P=0.635	P=0.233	P=0.244	P=0.496
POLY 6	P=0.586	P=0.229	P=0.241	P=0.474
COCH-ARM / FISHERS	P=0.653	P=0.247	P=0.253	P=0.505
MAX-ISO-POLY-3	P=0.254	P=0.076	P=0.079	P=0.160

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	1/49 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	2/42.38	1/41.82	1/43.29	4/40.74
POLY-3 PERCENT (g)	4.7%	2.4%	2.3%	9.8%
TERMINAL (d)	2/36 (6%)	0/35 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	507	729 (T)	458
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.114	P=0.505N	P=0.493N	P=0.318
POLY 1.5	P=0.121	P=0.503N	P=0.489N	P=0.335
POLY 6	P=0.105	P=0.504N	P=0.494N	P=0.300
COCH-ARM / FISHERS	P=0.126	P=0.500N	P=0.492N	P=0.349
MAX-ISO-POLY-3	P=0.135	P=0.286N	P=0.275N	P=0.191

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Pigmentation Hemosiderin</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/49 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/41.16	2/43.85	0/39.30
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	---	---	553	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.709N	(e)	P=0.245	(e)
POLY 1.5	P=0.694N	(e)	P=0.246	(e)
POLY 6	P=0.725	(e)	P=0.245	(e)
COCH-ARM / FISHERS	P=0.681N	(e)	P=0.253	(e)
MAX-ISO-POLY-3	P=0.279	(e)	P=0.082	(e)



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node: Inguinal Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	0/6 (0%)	0/5 (0%)	0/6 (0%)
POLY-3 RATE (b)	0/0.92	0/4.10	0/4.06	0/5.42
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/2 (0%)	0/4 (0%)	0/3 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Mediastinal Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	0/6 (0%)	2/5 (40%)	2/6 (33%)
POLY-3 RATE (b)	0/0.92	0/4.10	2/4.06	2/5.42
POLY-3 PERCENT (g)	0%	0%	49.2%	36.9%
TERMINAL (d)	0/0 (0%)	0/2 (0%)	2/4 (50%)	2/3 (67%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380	(e)	P=0.591	P=0.642
POLY 1.5	P=0.325	(e)	P=0.588	P=0.638
POLY 6	P=0.439	(e)	P=0.605	P=0.647
COCH-ARM / FISHERS	P=0.208	(e)	P=0.476	P=0.536
MAX-ISO-POLY-3	P=0.499	(e)	P=0.313	P=0.354

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Lymph Node: Mediastinal Hemorrhage

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**LESION RATES**

OVERALL (a)	1/2 (50%)	2/6 (33%)	1/5 (20%)	2/6 (33%)
POLY-3 RATE (b)	1/1.00	2/4.85	1/4.06	2/5.68
POLY-3 PERCENT (g)	100%	41.3%	24.6%	35.2%
TERMINAL (d)	0/0 (0%)	1/2 (50%)	1/4 (25%)	1/3 (33%)
FIRST INCIDENCE	709	465	729 (T)	658

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**STATISTICAL TESTS**

POLY 3	P=0.566N	P=0.510N	P=0.421N	P=0.467N
POLY 1.5	P=0.589N	P=0.487N	P=0.415N	P=0.464N
POLY 6	P=0.551N	P=0.556N	P=0.425N	P=0.478N
COCH-ARM / FISHERS	P=0.635N	P=0.643N	P=0.524N	P=0.643N
MAX-ISO-POLY-3	P=0.375N	P=0.251N	P=0.193N	P=0.252N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Lymph Node: Mediastinal  
Pigmentation Hemosiderin

---

**LESION RATES**

OVERALL (a)	0/2 (0%)	1/6 (17%)	1/5 (20%)	1/6 (17%)
POLY-3 RATE (b)	0/0.92	1/4.85	1/4.06	1/5.42
POLY-3 PERCENT (g)	0%	20.6%	24.6%	18.5%
TERMINAL (d)	0/0 (0%)	0/2 (0%)	1/4 (25%)	1/3 (33%)
FIRST INCIDENCE	---	465	729 (T)	729 (T)

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Popliteal Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	0/6 (0%)	0/5 (0%)	0/6 (0%)
POLY-3 RATE (b)	0/0.92	0/4.10	0/4.06	0/5.42
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/2 (0%)	0/4 (0%)	0/3 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/33 (0%)	0/38 (0%)	0/39 (0%)	0/41 (0%)
POLY-3 RATE (b)	0/28.64	0/31.04	0/34.58	0/30.78
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/25 (0%)	0/25 (0%)	0/31 (0%)	0/17 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Galactocele</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/33 (0%)	1/38 (3%)	0/39 (0%)	1/41 (2%)
POLY-3 RATE (b)	0/28.64	1/31.04	0/34.58	1/30.78
POLY-3 PERCENT (g)	0%	3.2%	0%	3.3%
TERMINAL (d)	0/25 (0%)	1/25 (4%)	0/31 (0%)	1/17 (6%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/33 (0%)	0/38 (0%)	3/39 (8%)	0/41 (0%)
POLY-3 RATE (b)	0/28.64	0/31.04	3/34.58	0/30.78
POLY-3 PERCENT (g)	0%	0%	8.7%	0%
TERMINAL (d)	0/25 (0%)	0/25 (0%)	3/31 (10%)	0/17 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.645N	(e)	P=0.153	(e)
POLY 1.5	P=0.617N	(e)	P=0.153	(e)
POLY 6	P=0.683N	(e)	P=0.153	(e)
COCH-ARM / FISHERS	P=0.590N	(e)	P=0.153	(e)
MAX-ISO-POLY-3	P=0.209	(e)	P=0.061	(e)



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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Pigmentation Hemosiderin</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/33 (9%)	9/38 (24%)	2/39 (5%)	13/41 (32%)
POLY-3 RATE (b)	3/29.62	9/33.54	2/35.59	13/34.35
POLY-3 PERCENT (g)	10.1%	26.8%	5.6%	37.9%
TERMINAL (d)	0/25 (0%)	3/25 (12%)	0/31 (0%)	1/17 (6%)
FIRST INCIDENCE	619	465	553	558
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.009**	P=0.084	P=0.416N	P=0.009**
POLY 1.5	P=0.012*	P=0.084	P=0.415N	P=0.012*
POLY 6	P=0.008**	P=0.084	P=0.417N	P=0.007**
COCH-ARM / FISHERS	P=0.019*	P=0.092	P=0.420N	P=0.017*
MAX-ISO-POLY-3	P=0.005**	P=0.048*	P=0.260N	P=0.004**

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Duct Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/33 (12%)	1/38 (3%)	1/39 (3%)	1/41 (2%)
POLY-3 RATE (b)	4/30.85	1/31.04	1/34.58	1/30.78
POLY-3 PERCENT (g)	13%	3.2%	2.9%	3.3%
TERMINAL (d)	0/25 (0%)	1/25 (4%)	1/31 (3%)	1/17 (6%)
FIRST INCIDENCE	508	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.227N	P=0.173N	P=0.142N	P=0.175N
POLY 1.5	P=0.216N	P=0.159N	P=0.135N	P=0.146N
POLY 6	P=0.242N	P=0.189N	P=0.150N	P=0.217N
COCH-ARM / FISHERS	P=0.211N	P=0.138N	P=0.131N	P=0.119N
MAX-ISO-POLY-3	P=0.086N	P=0.086N	P=0.064N	P=0.092N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mesentery Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/12 (17%)	1/6 (17%)	0/13 (0%)	1/10 (10%)
POLY-3 RATE (b)	2/11.10	1/5.29	0/12.32	1/8.88
POLY-3 PERCENT (g)	18%	18.9%	0%	11.3%
TERMINAL (d)	1/9 (11%)	0/4 (0%)	0/11 (0%)	0/6 (0%)
FIRST INCIDENCE	537	260	---	480
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.517N	P=0.726	P=0.204N	P=0.580N
POLY 1.5	P=0.516N	P=0.729	P=0.207N	P=0.578N
POLY 6	P=0.516N	P=0.728	P=0.202N	P=0.577N
COCH-ARM / FISHERS	P=0.510N	P=0.730	P=0.220N	P=0.571N
MAX-ISO-POLY-3	P=0.302N	P=0.486	P=0.063N	P=0.351N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/12 (75%)	5/6 (83%)	11/13 (85%)	9/10 (90%)
POLY-3 RATE (b)	9/10.89	5/5.05	11/12.77	9/9.29
POLY-3 PERCENT (g)	82.7%	99.1%	86.1%	96.9%
TERMINAL (d)	8/9 (89%)	4/4 (100%)	10/11 (91%)	6/6 (100%)
FIRST INCIDENCE	619	485	595	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.355	P=0.452	P=0.638	P=0.359
POLY 1.5	P=0.349	P=0.445	P=0.561	P=0.349
POLY 6	P=0.379	P=0.538	P=0.723	P=0.416
COCH-ARM / FISHERS	P=0.326	P=0.593	P=0.459	P=0.368
MAX-ISO-POLY-3	P=0.223	P=0.192	P=0.408	P=0.122

Experiment Number: 20209 - 03  
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 Route: GAVAGE  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Nose</b>				
<b>Fungus</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	0/49 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/42.46	0/41.16	1/43.29	1/39.30
POLY-3 PERCENT (g)	4.7%	0%	2.3%	2.5%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	1/38 (3%)	1/25 (4%)
FIRST INCIDENCE	709	---	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.653N	P=0.244N	P=0.493N	P=0.527N
POLY 1.5	P=0.644N	P=0.241N	P=0.489N	P=0.509N
POLY 6	P=0.663	P=0.245N	P=0.495N	P=0.550N
COCH-ARM / FISHERS	P=0.638N	P=0.247N	P=0.492N	P=0.492N
MAX-ISO-POLY-3	P=0.317N	P=0.082N	P=0.275N	P=0.310N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Nose</b>				
<b>Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	0/49 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	2/42.46	0/41.16	2/43.29	2/40.19
POLY-3 PERCENT (g)	4.7%	0%	4.6%	5%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	2/38 (5%)	1/25 (4%)
FIRST INCIDENCE	709	---	729 (T)	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.397	P=0.244N	P=0.687N	P=0.674
POLY 1.5	P=0.414	P=0.241N	P=0.683N	P=0.691
POLY 6	P=0.372	P=0.245N	P=0.690N	P=0.652
COCH-ARM / FISHERS	P=0.421	P=0.247N	P=0.684N	P=0.684N
MAX-ISO-POLY-3	P=0.440	P=0.082N	P=0.491N	P=0.477

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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/46 (7%)	5/47 (11%)	7/50 (14%)	1/49 (2%)
POLY-3 RATE (b)	3/40.93	5/40.80	7/43.75	1/39.26
POLY-3 PERCENT (g)	7.3%	12.3%	16%	2.6%
TERMINAL (d)	2/36 (6%)	3/35 (9%)	6/38 (16%)	0/25 (0%)
FIRST INCIDENCE	630	549	595	310
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.156N	P=0.354	P=0.184	P=0.320N
POLY 1.5	P=0.130N	P=0.359	P=0.194	P=0.298N
POLY 6	P=0.195N	P=0.353	P=0.176	P=0.349N
COCH-ARM / FISHERS	P=0.116N	P=0.369	P=0.195	P=0.285N
MAX-ISO-POLY-3	P=0.140N	P=0.230	P=0.111	P=0.173N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/46 (0%)	1/47 (2%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/40.57	1/39.74	2/43.29	1/38.34
POLY-3 PERCENT (g)	0%	2.5%	4.6%	2.6%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	2/38 (5%)	1/25 (4%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.490	P=0.496	P=0.251	P=0.489
POLY 1.5	P=0.518	P=0.499	P=0.256	P=0.501
POLY 6	P=0.454	P=0.494	P=0.248	P=0.473
COCH-ARM / FISHERS	P=0.541	P=0.505	P=0.269	P=0.516
MAX-ISO-POLY-3	P=0.262	P=0.160	P=0.085	P=0.162



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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pancreas</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/46 (2%)	0/47 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/40.57	0/39.74	0/43.29	0/38.34
POLY-3 PERCENT (g)	2.5%	0%	0%	0%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/46 (0%)	1/47 (2%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/40.57	1/39.74	2/43.29	0/38.34
POLY-3 PERCENT (g)	0%	2.5%	4.6%	0%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	2/38 (5%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.522N	P=0.496	P=0.251	(e)
POLY 1.5	P=0.499N	P=0.499	P=0.256	(e)
POLY 6	P=0.550N	P=0.494	P=0.248	(e)
COCH-ARM / FISHERS	P=0.480N	P=0.505	P=0.269	(e)
MAX-ISO-POLY-3	P=0.359	P=0.160	P=0.085	(e)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/47 (2%)	2/49 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/41.38	2/40.85	0/43.29	1/39.30
POLY-3 PERCENT (g)	2.4%	4.9%	0%	2.5%
TERMINAL (d)	1/35 (3%)	2/34 (6%)	0/38 (0%)	1/25 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.563N	P=0.496	P=0.491N	P=0.749
POLY 1.5	P=0.554N	P=0.500	P=0.489N	P=0.761
POLY 6	P=0.573N	P=0.493	P=0.492N	P=0.735
COCH-ARM / FISHERS	P=0.542N	P=0.516	P=0.485N	P=0.737N
MAX-ISO-POLY-3	P=0.404N	P=0.280	P=0.154N	P=0.485

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/47 (0%)	1/49 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/41.38	1/40.85	2/43.85	0/39.30
POLY-3 PERCENT (g)	0%	2.5%	4.6%	0%
TERMINAL (d)	0/35 (0%)	1/34 (3%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	---	729 (T)	553	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.521N	P=0.497	P=0.250	(e)
POLY 1.5	P=0.503N	P=0.500	P=0.251	(e)
POLY 6	P=0.543N	P=0.496	P=0.251	(e)
COCH-ARM / FISHERS	P=0.483N	P=0.510	P=0.263	(e)
MAX-ISO-POLY-3	P=0.358	P=0.161	P=0.085	(e)

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pituitary Gland</b>				
<b>Pigmentation Hemosiderin</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	0/40.96	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	---	---	---	---
<hr/>				
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/49 (8%)	3/49 (6%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	4/42.38	3/41.53	5/43.29	4/39.50
POLY-3 PERCENT (g)	9.4%	7.2%	11.6%	10.1%
TERMINAL (d)	4/36 (11%)	2/35 (6%)	5/38 (13%)	3/25 (12%)
FIRST INCIDENCE	729 (T)	549	729 (T)	676
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.482	P=0.511N	P=0.513	P=0.605
POLY 1.5	P=0.515	P=0.507N	P=0.520	P=0.632
POLY 6	P=0.440	P=0.511N	P=0.511	P=0.572
COCH-ARM / FISHERS	P=0.542	P=0.500N	P=0.513	P=0.631N
MAX-ISO-POLY-3	P=0.563	P=0.358N	P=0.375	P=0.459

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

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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Pituitary Gland: Pars Distalis  
Hyperplasia Focal

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**LESION RATES**

OVERALL (a)	15/49 (31%)	11/49 (22%)	13/50 (26%)	8/50 (16%)
POLY-3 RATE (b)	15/42.38	11/41.53	13/43.29	8/39.34
POLY-3 PERCENT (g)	35.4%	26.5%	30%	20.3%
TERMINAL (d)	15/36 (42%)	10/35 (29%)	13/38 (34%)	7/25 (28%)
FIRST INCIDENCE	729 (T)	549	729 (T)	719

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**STATISTICAL TESTS**

POLY 3	P=0.130N	P=0.258N	P=0.382N	P=0.099N
POLY 1.5	P=0.104N	P=0.253N	P=0.371N	P=0.079N
POLY 6	P=0.174N	P=0.255N	P=0.386N	P=0.130N
COCH-ARM / FISHERS	P=0.088N	P=0.246N	P=0.387N	P=0.069N
MAX-ISO-POLY-3	P=0.120N	P=0.190N	P=0.298N	P=0.070N

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 Test Type: CHRONIC  
 Route: GAVAGE  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	0/49 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/42.38	0/40.96	1/43.29	0/39.30
POLY-3 PERCENT (g)	4.7%	0%	2.3%	0%
TERMINAL (d)	2/36 (6%)	0/35 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.300N	P=0.245N	P=0.493N	P=0.254N
POLY 1.5	P=0.294N	P=0.242N	P=0.489N	P=0.242N
POLY 6	P=0.311N	P=0.246N	P=0.494N	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=0.083N	P=0.275N	P=0.093N



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 Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Nervosa</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	2/49 (4%)	0/49 (0%)	0/50 (0%)	2/50 (4%)
<b>POLY-3 RATE (b)</b>	2/42.38	0/40.96	0/43.29	2/39.30
<b>POLY-3 PERCENT (g)</b>	4.7%	0%	0%	5.1%
<b>TERMINAL (d)</b>	2/36 (6%)	0/35 (0%)	0/38 (0%)	2/25 (8%)
<b>FIRST INCIDENCE</b>	729 (T)	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.347	P=0.245N	P=0.232N	P=0.667
<b>POLY 1.5</b>	P=0.356	P=0.242N	P=0.230N	P=0.686
<b>POLY 6</b>	P=0.335	P=0.246N	P=0.233N	P=0.643
<b>COCH-ARM / FISHERS</b>	P=0.362	P=0.247N	P=0.242N	P=0.684N
<b>MAX-ISO-POLY-3</b>	P=0.266	P=0.083N	P=0.075N	P=0.470

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Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Preputial Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	6/49 (12%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	3/42.38	6/42.84	6/43.29	4/39.92
POLY-3 PERCENT (g)	7.1%	14%	13.9%	10%
TERMINAL (d)	3/36 (8%)	3/35 (9%)	6/38 (16%)	2/25 (8%)
FIRST INCIDENCE	729 (T)	3	729 (T)	609
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.564N	P=0.246	P=0.251	P=0.467
POLY 1.5	P=0.530N	P=0.248	P=0.258	P=0.491
POLY 6	P=0.560	P=0.249	P=0.249	P=0.440
COCH-ARM / FISHERS	P=0.498N	P=0.243	P=0.254	P=0.511
MAX-ISO-POLY-3	P=0.362	P=0.150	P=0.155	P=0.323

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Preputial Gland: Duct Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	2/49 (4%)	5/50 (10%)	15/50 (30%)
POLY-3 RATE (b)	2/42.38	2/41.73	5/43.73	15/42.59
POLY-3 PERCENT (g)	4.7%	4.8%	11.4%	35.2%
TERMINAL (d)	2/36 (6%)	1/35 (3%)	4/38 (11%)	9/25 (36%)
FIRST INCIDENCE	729 (T)	549	602	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.689	P=0.228	P<0.001**
POLY 1.5	P<0.001**	P=0.690	P=0.231	P<0.001**
POLY 6	P<0.001**	P=0.690	P=0.229	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.691N	P=0.226	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.493	P=0.130	P<0.001**

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 Route: GAVAGE  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Prostate Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	17/49 (35%)	20/50 (40%)	28/50 (56%)	27/50 (54%)
POLY-3 RATE (b)	17/45.32	20/44.11	28/46.61	27/45.71
POLY-3 PERCENT (g)	37.5%	45.3%	60.1%	59.1%
TERMINAL (d)	10/36 (28%)	14/35 (40%)	21/38 (55%)	13/25 (52%)
FIRST INCIDENCE	508	485	436	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.036*	P=0.295	P=0.023*	P=0.029*
POLY 1.5	P=0.045*	P=0.324	P=0.026*	P=0.038*
POLY 6	P=0.026*	P=0.273	P=0.021*	P=0.020*
COCH-ARM / FISHERS	P=0.043*	P=0.368	P=0.027*	P=0.041*
MAX-ISO-POLY-3	P=0.025*	P=0.230	P=0.014*	P=0.017*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Duct, Parotid Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/46 (0%)	1/48 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/40.97	1/41.09	2/43.29	0/39.30
POLY-3 PERCENT (g)	0%	2.4%	4.6%	0%
TERMINAL (d)	0/36 (0%)	0/34 (0%)	2/38 (5%)	0/25 (0%)
FIRST INCIDENCE	---	301	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.521N	P=0.501	P=0.249	(e)
POLY 1.5	P=0.501N	P=0.503	P=0.253	(e)
POLY 6	P=0.546N	P=0.499	P=0.247	(e)
COCH-ARM / FISHERS	P=0.477N	P=0.511	P=0.269	(e)
MAX-ISO-POLY-3	P=0.359	P=0.161	P=0.083	(e)

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 Route: GAVAGE  
 Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Duct, Parotid Gland Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/46 (2%)	1/48 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/41.33	1/40.42	0/43.29	4/40.70
POLY-3 PERCENT (g)	2.4%	2.5%	0%	9.8%
TERMINAL (d)	0/36 (0%)	0/34 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	630	658	---	585
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040*	P=0.756	P=0.491N	P=0.173
POLY 1.5	P=0.043*	P=0.760	P=0.487N	P=0.187
POLY 6	P=0.037*	P=0.753	P=0.494N	P=0.159
COCH-ARM / FISHERS	P=0.047*	P=0.742N	P=0.479N	P=0.208
MAX-ISO-POLY-3	P=0.041*	P=0.493	P=0.153N	P=0.086

Experiment Number: 20209 - 03  
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Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Parotid Gland Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/46 (4%)	2/48 (4%)	4/50 (8%)	13/50 (26%)
POLY-3 RATE (b)	2/41.97	2/40.46	4/44.71	13/42.89
POLY-3 PERCENT (g)	4.8%	4.9%	9%	30.3%
TERMINAL (d)	0/36 (0%)	1/34 (3%)	1/38 (3%)	3/25 (12%)
FIRST INCIDENCE	515	647	553	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.681	P=0.366	P=0.002**
POLY 1.5	P<0.001**	P=0.689	P=0.372	P=0.002**
POLY 6	P<0.001**	P=0.674	P=0.364	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.675N	P=0.379	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.485	P=0.226	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Parotid Gland Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/46 (9%)	4/48 (8%)	7/50 (14%)	17/50 (34%)
POLY-3 RATE (b)	4/42.38	4/42.55	7/46.31	17/45.01
POLY-3 PERCENT (g)	9.4%	9.4%	15.1%	37.8%
TERMINAL (d)	1/36 (3%)	0/34 (0%)	1/38 (3%)	3/25 (12%)
FIRST INCIDENCE	515	301	480	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.642N	P=0.314	P<0.001**
POLY 1.5	P<0.001**	P=0.635N	P=0.314	P=0.002**
POLY 6	P<0.001**	P=0.641	P=0.319	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.619N	P=0.312	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.497N	P=0.216	P<0.001**



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Seminal Vesicle Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	1/46 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	1/42.38	1/39.74	0/43.29	2/38.48
POLY-3 PERCENT (g)	2.4%	2.5%	0%	5.2%
TERMINAL (d)	1/36 (3%)	1/35 (3%)	0/38 (0%)	2/25 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.313	P=0.747	P=0.496N	P=0.466
POLY 1.5	P=0.324	P=0.748	P=0.494N	P=0.484
POLY 6	P=0.299	P=0.747	P=0.497N	P=0.445
COCH-ARM / FISHERS	P=0.336	P=0.737	P=0.495N	P=0.500
MAX-ISO-POLY-3	P=0.266	P=0.481	P=0.157N	P=0.262

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Cyst Epithelial Inclusion</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	3/49 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/42.38	3/41.16	1/43.29	0/39.30
POLY-3 PERCENT (g)	2.4%	7.3%	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)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.175N	P=0.294	P=0.756N	P=0.515N
POLY 1.5	P=0.165N	P=0.299	P=0.754N	P=0.505N
POLY 6	P=0.187N	P=0.293	P=0.757N	P=0.528N
COCH-ARM / FISHERS	P=0.157N	P=0.309	P=0.747N	P=0.495N
MAX-ISO-POLY-3	P=0.187N	P=0.149	P=0.493N	P=0.178N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hyperkeratosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	3/49 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	3/41.64	0/43.29	0/39.30
POLY-3 PERCENT (g)	0%	7.2%	0%	0%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	647	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.245N	P=0.115	(e)	(e)
POLY 1.5	P=0.238N	P=0.116	(e)	(e)
POLY 6	P=0.252N	P=0.116	(e)	(e)
COCH-ARM / FISHERS	P=0.233N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.199N	P=0.038*	(e)	(e)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	1/49 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.73	1/42.09	0/43.29	0/39.30
POLY-3 PERCENT (g)	2.3%	2.4%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	630	301	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	3/49 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.38	3/41.64	0/43.29	0/39.30
POLY-3 PERCENT (g)	4.7%	7.2%	0%	0%
TERMINAL (d)	2/36 (6%)	1/35 (3%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	729 (T)	647	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.096N	P=0.492	P=0.232N	P=0.254N
POLY 1.5	P=0.091N	P=0.494	P=0.230N	P=0.242N
POLY 6	P=0.101N	P=0.495	P=0.233N	P=0.269N
COCH-ARM / FISHERS	P=0.089N	P=0.500	P=0.242N	P=0.242N
MAX-ISO-POLY-3	P=0.108N	P=0.318	P=0.075N	P=0.093N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/49 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.73	2/41.34	0/43.29	0/39.30
POLY-3 PERCENT (g)	2.3%	4.8%	0%	0%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	630	682	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.219N	P=0.488	P=0.497N	P=0.517N
POLY 1.5	P=0.213N	P=0.493	P=0.495N	P=0.506N
POLY 6	P=0.225N	P=0.486	P=0.500N	P=0.530N
COCH-ARM / FISHERS	P=0.207N	P=0.500	P=0.495N	P=0.495N
MAX-ISO-POLY-3	P=0.205N	P=0.274	P=0.157N	P=0.180N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Skin: Epidermis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	4/49 (8%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.38	4/41.64	0/43.29	0/39.30
POLY-3 PERCENT (g)	0%	9.6%	0%	0%
TERMINAL (d)	0/36 (0%)	2/35 (6%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	647	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.170N	P=0.058	(e)	(e)
POLY 1.5	P=0.163N	P=0.058	(e)	(e)
POLY 6	P=0.177N	P=0.058	(e)	(e)
COCH-ARM / FISHERS	P=0.160N	P=0.059	(e)	(e)
MAX-ISO-POLY-3	P=0.141N	P=0.019*	(e)	(e)

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	23/47 (49%)	30/46 (65%)	22/50 (44%)	13/49 (27%)
<b>POLY-3 RATE (b)</b>	23/42.65	30/42.96	22/44.79	13/39.50
<b>POLY-3 PERCENT (g)</b>	53.9%	69.8%	49.1%	32.9%
<b>TERMINAL (d)</b>	20/36 (56%)	24/35 (69%)	20/38 (53%)	11/25 (44%)
<b>FIRST INCIDENCE</b>	3	465	289	310
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.002N**	P=0.093	P=0.405N	P=0.039N*
<b>POLY 1.5</b>	P<0.001N**	P=0.085	P=0.385N	P=0.026N*
<b>POLY 6</b>	P=0.007N**	P=0.113	P=0.428N	P=0.067N
<b>COCH-ARM / FISHERS</b>	P<0.001N**	P=0.084	P=0.388N	P=0.020N*
<b>MAX-ISO-POLY-3</b>	P=0.004N**	P=0.062	P=0.325N	P=0.029N*



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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Spleen Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/47 (26%)	11/46 (24%)	17/50 (34%)	27/49 (55%)
POLY-3 RATE (b)	12/44.77	11/42.28	17/47.09	27/46.55
POLY-3 PERCENT (g)	26.8%	26%	36.1%	58%
TERMINAL (d)	4/36 (11%)	6/35 (17%)	10/38 (26%)	9/25 (36%)
FIRST INCIDENCE	508	301	436	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.563N	P=0.232	P=0.002**
POLY 1.5	P<0.001**	P=0.534N	P=0.251	P=0.002**
POLY 6	P<0.001**	P=0.589N	P=0.216	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.524N	P=0.246	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.467N	P=0.172	P<0.001**

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Spleen: Lymphoid Follicle Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/47 (0%)	0/46 (0%)	1/50 (2%)	5/49 (10%)
POLY-3 RATE (b)	0/41.06	0/39.74	1/43.85	5/41.14
POLY-3 PERCENT (g)	0%	0%	2.3%	12.2%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	553	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.513	P=0.030*
POLY 1.5	P<0.001**	(e)	P=0.515	P=0.033*
POLY 6	P<0.001**	(e)	P=0.512	P=0.027*
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.515	P=0.031*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.171	P=0.010**

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Edema</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.38	1/42.03	0/43.29	2/40.52
POLY-3 PERCENT (g)	0%	2.4%	0%	4.9%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	682	---	505
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.148	P=0.498	(e)	P=0.227
POLY 1.5	P=0.154	P=0.501	(e)	P=0.236
POLY 6	P=0.141	P=0.498	(e)	P=0.217
COCH-ARM / FISHERS	P=0.158	P=0.505	(e)	P=0.253
MAX-ISO-POLY-3	P=0.082	P=0.160	(e)	P=0.077

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Hyperkeratosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/49 (18%)	5/50 (10%)	5/50 (10%)	17/50 (34%)
POLY-3 RATE (b)	9/44.89	5/44.24	5/45.59	17/45.18
POLY-3 PERCENT (g)	20.1%	11.3%	11%	37.6%
TERMINAL (d)	3/36 (8%)	0/35 (0%)	0/38 (0%)	2/25 (8%)
FIRST INCIDENCE	515	301	553	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	P=0.200N	P=0.183N	P=0.052
POLY 1.5	P=0.002**	P=0.190N	P=0.177N	P=0.059
POLY 6	P<0.001**	P=0.209N	P=0.186N	P=0.045*
COCH-ARM / FISHERS	P=0.002**	P=0.183N	P=0.183N	P=0.061
MAX-ISO-POLY-3	P=0.003**	P=0.131N	P=0.117N	P=0.031*

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

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 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	1/42.73	2/42.78	1/43.85	4/40.99
POLY-3 PERCENT (g)	2.3%	4.7%	2.3%	9.8%
TERMINAL (d)	0/36 (0%)	1/35 (3%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	630	301	553	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.100	P=0.500	P=0.755N	P=0.165
POLY 1.5	P=0.108	P=0.504	P=0.753N	P=0.177
POLY 6	P=0.092	P=0.497	P=0.756N	P=0.152
COCH-ARM / FISHERS	P=0.113	P=0.508	P=0.747N	P=0.187
MAX-ISO-POLY-3	P=0.098	P=0.282	P=0.492N	P=0.081

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/49 (12%)	3/50 (6%)	4/50 (8%)	7/50 (14%)
POLY-3 RATE (b)	6/44.53	3/43.31	4/45.03	7/41.80
POLY-3 PERCENT (g)	13.5%	6.9%	8.9%	16.8%
TERMINAL (d)	1/36 (3%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	515	485	592	458
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.207	P=0.255N	P=0.362N	P=0.451
POLY 1.5	P=0.226	P=0.246N	P=0.354N	P=0.487
POLY 6	P=0.185	P=0.265N	P=0.366N	P=0.409
COCH-ARM / FISHERS	P=0.239	P=0.233N	P=0.357N	P=0.516
MAX-ISO-POLY-3	P=0.270	P=0.161N	P=0.247N	P=0.341

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Mineralization</b>				
<b>LESION 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	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	1/50 (2%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	3/43.82	1/42.03	3/44.71	5/41.28
POLY-3 PERCENT (g)	6.9%	2.4%	6.7%	12.1%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	515	682	553	505
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.115	P=0.320N	P=0.653N	P=0.323
POLY 1.5	P=0.124	P=0.311N	P=0.648N	P=0.347
POLY 6	P=0.104	P=0.328N	P=0.654N	P=0.298
COCH-ARM / FISHERS	P=0.129	P=0.301N	P=0.651N	P=0.369
MAX-ISO-POLY-3	P=0.159	P=0.171N	P=0.489N	P=0.212



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/49 (16%)	6/50 (12%)	5/50 (10%)	17/50 (34%)
POLY-3 RATE (b)	8/44.89	6/43.93	5/45.59	17/45.18
POLY-3 PERCENT (g)	17.8%	13.7%	11%	37.6%
TERMINAL (d)	2/36 (6%)	2/35 (6%)	0/38 (0%)	2/25 (8%)
FIRST INCIDENCE	515	301	553	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.403N	P=0.265N	P=0.029*
POLY 1.5	P=0.002**	P=0.387N	P=0.258N	P=0.033*
POLY 6	P<0.001**	P=0.421N	P=0.269N	P=0.025*
COCH-ARM / FISHERS	P=0.002**	P=0.371N	P=0.264N	P=0.036*
MAX-ISO-POLY-3	P=0.002**	P=0.299N	P=0.178N	P=0.016*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Glandular Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/46 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/41.46	0/39.74	1/43.74	2/40.13
POLY-3 PERCENT (g)	0%	0%	2.3%	5%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	599	351
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.083	(e)	P=0.511	P=0.230
POLY 1.5	P=0.088	(e)	P=0.512	P=0.238
POLY 6	P=0.077	(e)	P=0.511	P=0.220
COCH-ARM / FISHERS	P=0.091	(e)	P=0.510	P=0.253
MAX-ISO-POLY-3	P=0.083	(e)	P=0.169	P=0.077

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/48 (15%)	3/46 (7%)	5/50 (10%)	2/49 (4%)
POLY-3 RATE (b)	7/41.84	3/39.74	5/43.29	2/38.75
POLY-3 PERCENT (g)	16.7%	7.6%	11.6%	5.2%
TERMINAL (d)	6/36 (17%)	3/35 (9%)	5/38 (13%)	2/25 (8%)
FIRST INCIDENCE	620	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.150N	P=0.177N	P=0.354N	P=0.096N
POLY 1.5	P=0.134N	P=0.173N	P=0.345N	P=0.083N
POLY 6	P=0.175N	P=0.178N	P=0.362N	P=0.115N
COCH-ARM / FISHERS	P=0.119N	P=0.176N	P=0.351N	P=0.075N
MAX-ISO-POLY-3	P=0.086N	P=0.106N	P=0.249N	P=0.055N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Degeneration</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	14/49 (29%)	11/49 (22%)	12/50 (24%)	6/50 (12%)
<b>POLY-3 RATE (b)</b>	14/42.97	11/41.73	12/43.29	6/39.30
<b>POLY-3 PERCENT (g)</b>	32.6%	26.4%	27.7%	15.3%
<b>TERMINAL (d)</b>	12/36 (33%)	10/35 (29%)	12/38 (32%)	6/25 (24%)
<b>FIRST INCIDENCE</b>	620	549	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.059N	P=0.348N	P=0.398N	P=0.055N
<b>POLY 1.5</b>	P=0.044N*	P=0.337N	P=0.379N	P=0.041N*
<b>POLY 6</b>	P=0.086N	P=0.355N	P=0.415N	P=0.078N
<b>COCH-ARM / FISHERS</b>	P=0.036N*	P=0.322N	P=0.387N	P=0.035N*
<b>MAX-ISO-POLY-3</b>	P=0.071N	P=0.268N	P=0.311N	P=0.038N*

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/45 (31%)	11/49 (22%)	15/49 (31%)	26/50 (52%)
POLY-3 RATE (b)	14/44.00	11/45.13	15/44.82	26/47.54
POLY-3 PERCENT (g)	31.8%	24.4%	33.5%	54.7%
TERMINAL (d)	6/36 (17%)	2/34 (6%)	10/38 (26%)	6/25 (24%)
FIRST INCIDENCE	508	301	553	351
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.293N	P=0.524	P=0.021*
POLY 1.5	P=0.002**	P=0.273N	P=0.562	P=0.025*
POLY 6	P<0.001**	P=0.316N	P=0.491	P=0.017*
COCH-ARM / FISHERS	P=0.002**	P=0.237N	P=0.567N	P=0.032*
MAX-ISO-POLY-3	P=0.002**	P=0.221N	P=0.433	P=0.013*

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Ectopic Parathyroid Gland</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/45 (0%)	0/49 (0%)	3/49 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/40.57	0/40.85	3/43.35	2/40.19
POLY-3 PERCENT (g)	0%	0%	6.9%	5%
TERMINAL (d)	0/36 (0%)	0/34 (0%)	1/38 (3%)	0/25 (0%)
FIRST INCIDENCE	---	---	602	480
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.154	(e)	P=0.130	P=0.235
POLY 1.5	P=0.168	(e)	P=0.132	P=0.246
POLY 6	P=0.136	(e)	P=0.130	P=0.221
COCH-ARM / FISHERS	P=0.183	(e)	P=0.137	P=0.274
MAX-ISO-POLY-3	P=0.104	(e)	P=0.045*	P=0.081

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/45 (2%)	3/49 (6%)	1/49 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/40.57	3/41.99	1/42.68	3/40.15
POLY-3 PERCENT (g)	2.5%	7.1%	2.3%	7.5%
TERMINAL (d)	1/36 (3%)	1/34 (3%)	1/38 (3%)	1/25 (4%)
FIRST INCIDENCE	729 (T)	507	729 (T)	505
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.340	P=0.317	P=0.750N	P=0.301
POLY 1.5	P=0.361	P=0.322	P=0.746N	P=0.320
POLY 6	P=0.317	P=0.314	P=0.752N	P=0.279
COCH-ARM / FISHERS	P=0.384	P=0.341	P=0.731N	P=0.349
MAX-ISO-POLY-3	P=0.256	P=0.163	P=0.485N	P=0.158

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	44/45 (98%)	41/45 (91%)	47/48 (98%)	44/46 (96%)
POLY-3 RATE (b)	44/44.00	41/42.38	47/48.00	44/45.54
POLY-3 PERCENT (g)	100%	96.8%	97.9%	96.6%
TERMINAL (d)	36/36 (100%)	34/35 (97%)	37/38 (97%)	25/25 (100%)
FIRST INCIDENCE	508	485	289	310
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.381N	P=0.349N	P=0.517N	P=0.322N
POLY 1.5	P=0.414N	P=0.195N	P=0.523N	P=0.287N
POLY 6	P=0.429N	P=0.461N	P=0.517N	P=0.402N
COCH-ARM / FISHERS	P=0.553	P=0.180N	P=0.736	P=0.508N
MAX-ISO-POLY-3	P=0.198N	P=0.091N	P=0.176N	P=0.090N



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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Thyroid Gland: Follicle  
Cyst

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**LESION RATES**

OVERALL (a)	0/45 (0%)	0/45 (0%)	0/48 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/40.57	0/39.40	0/42.73	0/36.73
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/35 (0%)	0/38 (0%)	0/25 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Follicle Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/45 (2%)	26/45 (58%)	33/48 (69%)	23/46 (50%)
POLY-3 RATE (b)	1/40.93	26/40.61	33/44.81	23/41.27
POLY-3 PERCENT (g)	2.4%	64%	73.6%	55.7%
TERMINAL (d)	0/36 (0%)	24/35 (69%)	28/38 (74%)	14/25 (56%)
FIRST INCIDENCE	630	465	553	310
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.005**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P=0.002**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.017*	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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

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CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Thyroid Gland: Follicular Cell  
Hyperplasia

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**LESION RATES**

OVERALL (a)	8/45 (18%)	5/45 (11%)	5/48 (10%)	7/46 (15%)
POLY-3 RATE (b)	8/40.57	5/39.67	5/43.12	7/37.91
POLY-3 PERCENT (g)	19.7%	12.6%	11.6%	18.5%
TERMINAL (d)	8/36 (22%)	4/35 (11%)	4/38 (11%)	3/25 (12%)
FIRST INCIDENCE	729 (T)	658	617	558

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**STATISTICAL TESTS**

POLY 3	P=0.464	P=0.288N	P=0.235N	P=0.558N
POLY 1.5	P=0.491	P=0.283N	P=0.233N	P=0.525N
POLY 6	P=0.432	P=0.285N	P=0.235N	P=0.591N
COCH-ARM / FISHERS	P=0.527	P=0.275N	P=0.235N	P=0.481N
MAX-ISO-POLY-3	P=0.415N	P=0.197N	P=0.156N	P=0.445N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	45/50 (90%)	44/49 (90%)	44/50 (88%)	34/46 (74%)
POLY-3 RATE (b)	45/47.60	44/47.98	44/48.86	34/42.13
POLY-3 PERCENT (g)	94.5%	91.7%	90.1%	80.7%
TERMINAL (d)	35/37 (95%)	36/39 (92%)	30/33 (91%)	21/28 (75%)
FIRST INCIDENCE	445	525	368	385
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.020N*	P=0.441N	P=0.321N	P=0.039N*
POLY 1.5	P=0.021N*	P=0.459N	P=0.323N	P=0.040N*
POLY 6	P=0.020N*	P=0.425N	P=0.345N	P=0.039N*
COCH-ARM / FISHERS	P=0.008N**	P=0.617N	P=0.500N	P=0.036N*
MAX-ISO-POLY-3	P=0.029N*	P=0.288N	P=0.196N	P=0.022N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cortex</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	3/50 (6%)	1/46 (2%)
POLY-3 RATE (b)	1/43.58	0/45.55	3/44.34	1/36.18
POLY-3 PERCENT (g)	2.3%	0%	6.8%	2.8%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	1/28 (4%)
FIRST INCIDENCE	627	---	569	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.465	P=0.491N	P=0.311	P=0.718
POLY 1.5	P=0.486	P=0.494N	P=0.313	P=0.725
POLY 6	P=0.441	P=0.489N	P=0.307	P=0.709
COCH-ARM / FISHERS	P=0.541	P=0.505N	P=0.309	P=0.731
MAX-ISO-POLY-3	P=0.293	P=0.160N	P=0.160	P=0.450

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cortex</b>				
<b>Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	6/49 (12%)	12/50 (24%)	19/46 (41%)
POLY-3 RATE (b)	8/43.99	6/45.55	12/43.84	19/37.19
POLY-3 PERCENT (g)	18.2%	13.2%	27.4%	51.1%
TERMINAL (d)	7/37 (19%)	6/39 (15%)	10/33 (30%)	15/28 (54%)
FIRST INCIDENCE	445	729 (T)	694	597
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.359N	P=0.219	P<0.001**
POLY 1.5	P<0.001**	P=0.370N	P=0.230	P=0.002**
POLY 6	P<0.001**	P=0.349N	P=0.204	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.403N	P=0.227	P=0.005**
MAX-ISO-POLY-3	P<0.001**	P=0.263N	P=0.151	P<0.001**

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cortex</b>				
<b>Hypertrophy Focal</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	13/50 (26%)	9/49 (18%)	12/50 (24%)	14/46 (30%)
<b>POLY-3 RATE (b)</b>	13/44.16	9/45.71	12/43.65	14/36.38
<b>POLY-3 PERCENT (g)</b>	29.4%	19.7%	27.5%	38.5%
<b>TERMINAL (d)</b>	11/37 (30%)	8/39 (21%)	12/33 (36%)	13/28 (46%)
<b>FIRST INCIDENCE</b>	585	687	729 (T)	677
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.089	P=0.203N	P=0.514N	P=0.268
<b>POLY 1.5</b>	P=0.112	P=0.213N	P=0.493N	P=0.305
<b>POLY 6</b>	P=0.066	P=0.196N	P=0.550N	P=0.224
<b>COCH-ARM / FISHERS</b>	P=0.191	P=0.251N	P=0.500N	P=0.399
<b>MAX-ISO-POLY-3</b>	P=0.145	P=0.146N	P=0.418N	P=0.212

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Cortex</b>				
<b>Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	5/49 (10%)	7/50 (14%)	9/46 (20%)
POLY-3 RATE (b)	5/43.52	5/45.68	7/44.95	9/38.05
POLY-3 PERCENT (g)	11.5%	10.9%	15.6%	23.7%
TERMINAL (d)	4/37 (11%)	4/39 (10%)	4/33 (12%)	5/28 (18%)
FIRST INCIDENCE	646	694	472	543
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.058	P=0.599N	P=0.402	P=0.122
POLY 1.5	P=0.063	P=0.610N	P=0.401	P=0.126
POLY 6	P=0.054	P=0.590N	P=0.396	P=0.118
COCH-ARM / FISHERS	P=0.087	P=0.617	P=0.380	P=0.150
MAX-ISO-POLY-3	P=0.095	P=0.468N	P=0.292	P=0.081



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Bone Marrow: Myeloid Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	4/50 (8%)	7/50 (14%)	11/46 (24%)
POLY-3 RATE (b)	6/45.80	4/46.68	7/45.21	11/39.41
POLY-3 PERCENT (g)	13.1%	8.6%	15.5%	27.9%
TERMINAL (d)	1/37 (3%)	2/39 (5%)	3/33 (9%)	4/28 (14%)
FIRST INCIDENCE	508	662	508	385
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.013*	P=0.358N	P=0.490	P=0.074
POLY 1.5	P=0.014*	P=0.356N	P=0.503	P=0.080
POLY 6	P=0.012*	P=0.363N	P=0.469	P=0.068
COCH-ARM / FISHERS	P=0.022*	P=0.370N	P=0.500	P=0.104
MAX-ISO-POLY-3	P=0.021*	P=0.245N	P=0.373	P=0.051

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	9/50 (18%)	11/50 (22%)	13/49 (27%)
POLY-3 RATE (b)	8/45.15	9/48.83	11/47.39	13/42.16
POLY-3 PERCENT (g)	17.7%	18.4%	23.2%	30.8%
TERMINAL (d)	3/37 (8%)	3/39 (8%)	2/33 (6%)	3/28 (11%)
FIRST INCIDENCE	445	358	368	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.072	P=0.570	P=0.346	P=0.117
POLY 1.5	P=0.080	P=0.553	P=0.341	P=0.123
POLY 6	P=0.065	P=0.584	P=0.348	P=0.112
COCH-ARM / FISHERS	P=0.117	P=0.500	P=0.306	P=0.150
MAX-ISO-POLY-3	P=0.117	P=0.465	P=0.263	P=0.080

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Clitoral Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	1/49 (2%)	2/50 (4%)	2/47 (4%)
POLY-3 RATE (b)	1/42.21	1/45.55	2/44.20	2/37.47
POLY-3 PERCENT (g)	2.4%	2.2%	4.5%	5.3%
TERMINAL (d)	1/36 (3%)	1/39 (3%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	610	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.322	P=0.743N	P=0.516	P=0.458
POLY 1.5	P=0.335	P=0.748N	P=0.516	P=0.466
POLY 6	P=0.306	P=0.739N	P=0.514	P=0.448
COCH-ARM / FISHERS	P=0.371	P=0.753N	P=0.508	P=0.484
MAX-ISO-POLY-3	P=0.402	P=0.478N	P=0.297	P=0.256

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Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Clitoral Gland: Duct  
Cyst

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**LESION RATES**

OVERALL (a)	2/49 (4%)	5/49 (10%)	3/50 (6%)	3/47 (6%)
POLY-3 RATE (b)	2/42.21	5/45.84	3/44.06	3/37.86
POLY-3 PERCENT (g)	4.7%	10.9%	6.8%	7.9%
TERMINAL (d)	2/36 (6%)	4/39 (10%)	2/33 (6%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	651	610	619

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**STATISTICAL TESTS**

POLY 3	P=0.584	P=0.251	P=0.520	P=0.450
POLY 1.5	P=0.597	P=0.241	P=0.520	P=0.457
POLY 6	P=0.567	P=0.261	P=0.515	P=0.440
COCH-ARM / FISHERS	P=0.564N	P=0.218	P=0.510	P=0.480
MAX-ISO-POLY-3	P=0.439	P=0.153	P=0.343	P=0.288

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Eye: Retina  
Atrophy

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**LESION RATES**

OVERALL (a)	9/50 (18%)	3/49 (6%)	9/47 (19%)	10/45 (22%)
POLY-3 RATE (b)	9/44.36	3/45.94	9/41.52	10/36.50
POLY-3 PERCENT (g)	20.3%	6.5%	21.7%	27.4%
TERMINAL (d)	7/37 (19%)	2/39 (5%)	8/33 (24%)	7/28 (25%)
FIRST INCIDENCE	508	619	694	553

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**STATISTICAL TESTS**

POLY 3	P=0.056	P=0.051N	P=0.543	P=0.314
POLY 1.5	P=0.066	P=0.054N	P=0.554	P=0.334
POLY 6	P=0.048*	P=0.048N*	P=0.526	P=0.295
COCH-ARM / FISHERS	P=0.109	P=0.065N	P=0.545	P=0.398
MAX-ISO-POLY-3	P=0.092	P=0.028N*	P=0.437	P=0.243

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	12/50 (24%)	8/50 (16%)	10/50 (20%)	4/48 (8%)
<b>POLY-3 RATE (b)</b>	12/43.30	8/46.30	10/44.51	4/37.58
<b>POLY-3 PERCENT (g)</b>	27.7%	17.3%	22.5%	10.7%
<b>TERMINAL (d)</b>	11/37 (30%)	8/39 (21%)	7/33 (21%)	4/28 (14%)
<b>FIRST INCIDENCE</b>	708	729 (T)	508	729 (T)
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.088N	P=0.175N	P=0.374N	P=0.048N*
<b>POLY 1.5</b>	P=0.074N	P=0.188N	P=0.375N	P=0.043N*
<b>POLY 6</b>	P=0.108N	P=0.165N	P=0.381N	P=0.057N
<b>COCH-ARM / FISHERS</b>	P=0.047N*	P=0.227N	P=0.405N	P=0.033N*
<b>MAX-ISO-POLY-3</b>	P=0.062N	P=0.125N	P=0.288N	P=0.033N*

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Intestine Large, Rectum Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/49 (0%)	0/49 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/43.15	0/45.55	0/42.93	0/36.77
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney</b>				
<b>Casts Protein</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	2/47 (4%)
POLY-3 RATE (b)	2/43.21	0/46.30	0/42.71	2/36.88
POLY-3 PERCENT (g)	4.6%	0%	0%	5.4%
TERMINAL (d)	2/37 (5%)	0/39 (0%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.298	P=0.222N	P=0.240N	P=0.636
POLY 1.5	P=0.308	P=0.226N	P=0.238N	P=0.646
POLY 6	P=0.288	P=0.219N	P=0.243N	P=0.622
COCH-ARM / FISHERS	P=0.336	P=0.247N	P=0.253N	P=0.668
MAX-ISO-POLY-3	P=0.238	P=0.076N	P=0.077N	P=0.438



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	2/47 (4%)
POLY-3 RATE (b)	2/43.68	1/46.30	1/42.91	2/37.18
POLY-3 PERCENT (g)	4.6%	2.2%	2.3%	5.4%
TERMINAL (d)	1/37 (3%)	1/39 (3%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	592	729 (T)	676	647
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.437	P=0.480N	P=0.506N	P=0.635
POLY 1.5	P=0.450	P=0.484N	P=0.503N	P=0.645
POLY 6	P=0.422	P=0.477N	P=0.513N	P=0.621
COCH-ARM / FISHERS	P=0.488	P=0.500N	P=0.508N	P=0.668
MAX-ISO-POLY-3	P=0.481	P=0.269N	P=0.286N	P=0.437

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney</b>				
<b>Hydronephrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/49 (2%)	6/47 (13%)
POLY-3 RATE (b)	1/44.21	1/46.30	1/42.87	6/39.28
POLY-3 PERCENT (g)	2.3%	2.2%	2.3%	15.3%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	37	729 (T)	686	3
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003**	P=0.750N	P=0.754	P=0.038*
POLY 1.5	P=0.003**	P=0.754N	P=0.755	P=0.040*
POLY 6	P=0.002**	P=0.747N	P=0.751	P=0.036*
COCH-ARM / FISHERS	P=0.004**	P=0.753N	P=0.747	P=0.047*
MAX-ISO-POLY-3	P=0.005**	P=0.487N	P=0.490	P=0.019*

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/49 (4%)	0/47 (0%)
POLY-3 RATE (b)	2/43.98	0/46.30	2/42.87	0/36.88
POLY-3 PERCENT (g)	4.6%	0%	4.7%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	592	---	686	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.367N	P=0.226N	P=0.685	P=0.278N
POLY 1.5	P=0.353N	P=0.228N	P=0.690	P=0.269N
POLY 6	P=0.383N	P=0.225N	P=0.676	P=0.290N
COCH-ARM / FISHERS	P=0.317N	P=0.247N	P=0.684	P=0.263N
MAX-ISO-POLY-3	P=0.180N	P=0.076N	P=0.489	P=0.111N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney</b>				
<b>Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/50 (26%)	8/50 (16%)	17/49 (35%)	15/47 (32%)
POLY-3 RATE (b)	13/44.16	8/46.78	17/43.92	15/38.87
POLY-3 PERCENT (g)	29.4%	17.1%	38.7%	38.6%
TERMINAL (d)	11/37 (30%)	5/39 (13%)	12/33 (36%)	11/28 (39%)
FIRST INCIDENCE	585	658	553	543
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.062	P=0.125N	P=0.243	P=0.258
POLY 1.5	P=0.074	P=0.133N	P=0.251	P=0.275
POLY 6	P=0.050*	P=0.118N	P=0.230	P=0.237
COCH-ARM / FISHERS	P=0.131	P=0.163N	P=0.235	P=0.338
MAX-ISO-POLY-3	P=0.100	P=0.087N	P=0.179	P=0.200

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/49 (6%)	4/47 (9%)
POLY-3 RATE (b)	0/43.21	1/46.43	3/42.71	4/37.81
POLY-3 PERCENT (g)	0%	2.2%	7%	10.6%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	3/33 (9%)	2/28 (7%)
FIRST INCIDENCE	---	694	729 (T)	490
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.024*	P=0.514	P=0.116	P=0.044*
POLY 1.5	P=0.027*	P=0.511	P=0.118	P=0.046*
POLY 6	P=0.022*	P=0.518	P=0.113	P=0.042*
COCH-ARM / FISHERS	P=0.035*	P=0.500	P=0.117	P=0.051
MAX-ISO-POLY-3	P=0.029*	P=0.176	P=0.037*	P=0.017*

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney: Pelvis Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	10/50 (20%)	6/49 (12%)	3/47 (6%)
POLY-3 RATE (b)	16/44.92	10/46.70	6/43.68	3/36.88
POLY-3 PERCENT (g)	35.6%	21.4%	13.7%	8.1%
TERMINAL (d)	13/37 (35%)	8/39 (21%)	3/33 (9%)	3/28 (11%)
FIRST INCIDENCE	445	658	553	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006N**	P=0.099N	P=0.014N*	P=0.003N**
POLY 1.5	P=0.005N**	P=0.104N	P=0.013N*	P=0.002N**
POLY 6	P=0.008N**	P=0.095N	P=0.015N*	P=0.004N**
COCH-ARM / FISHERS	P=0.003N**	P=0.127N	P=0.016N*	P<0.001N**
MAX-ISO-POLY-3	P=0.004N**	P=0.068N	P=0.008N**	P=0.002N**

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney: Pelvis Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	31/50 (62%)	29/50 (58%)	23/49 (47%)	19/47 (40%)
POLY-3 RATE (b)	31/46.47	29/47.37	23/46.97	19/38.56
POLY-3 PERCENT (g)	66.7%	61.2%	49%	49.3%
TERMINAL (d)	24/37 (65%)	25/39 (64%)	13/33 (39%)	14/28 (50%)
FIRST INCIDENCE	445	619	368	553
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.074N	P=0.366N	P=0.059N	P=0.075N
POLY 1.5	P=0.054N	P=0.365N	P=0.063N	P=0.054N
POLY 6	P=0.102N	P=0.368N	P=0.058N	P=0.104N
COCH-ARM / FISHERS	P=0.019N*	P=0.419N	P=0.096N	P=0.027N*
MAX-ISO-POLY-3	P=0.107N	P=0.290N	P=0.039N*	P=0.060N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Kidney: Transitional Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	1/49 (2%)	2/47 (4%)
POLY-3 RATE (b)	3/43.21	4/46.56	1/42.91	2/37.11
POLY-3 PERCENT (g)	6.9%	8.6%	2.3%	5.4%
TERMINAL (d)	3/37 (8%)	3/39 (8%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	658	676	669
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.410N	P=0.541	P=0.307N	P=0.569N
POLY 1.5	P=0.399N	P=0.530	P=0.306N	P=0.558N
POLY 6	P=0.423N	P=0.551	P=0.312N	P=0.583N
COCH-ARM / FISHERS	P=0.367N	P=0.500	P=0.316N	P=0.530N
MAX-ISO-POLY-3	P=0.391N	P=0.389	P=0.156N	P=0.392N



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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Lacrimal Gland Karyomegaly				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

Experiment Number: 20209 - 03  
 Test Type: CHRONIC  
 Route: GAVAGE  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	4/50 (8%)	2/47 (4%)
POLY-3 RATE (b)	1/43.21	0/45.55	4/43.65	2/37.25
POLY-3 PERCENT (g)	2.3%	0%	9.2%	5.4%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	4/33 (12%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	---	729 (T)	627
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.234	P=0.490N	P=0.181	P=0.448
POLY 1.5	P=0.251	P=0.493N	P=0.184	P=0.456
POLY 6	P=0.216	P=0.486N	P=0.175	P=0.438
COCH-ARM / FISHERS	P=0.301	P=0.505N	P=0.181	P=0.477
MAX-ISO-POLY-3	P=0.155	P=0.160N	P=0.086	P=0.250

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	44/50 (88%)	43/49 (88%)	40/50 (80%)	33/47 (70%)
POLY-3 RATE (b)	44/46.86	43/48.63	40/47.39	33/40.86
POLY-3 PERCENT (g)	93.9%	88.4%	84.4%	80.8%
TERMINAL (d)	36/37 (97%)	35/39 (90%)	31/33 (94%)	24/28 (86%)
FIRST INCIDENCE	445	358	368	490
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.060N	P=0.273N	P=0.103N	P=0.045N*
POLY 1.5	P=0.041N*	P=0.343N	P=0.103N	P=0.039N*
POLY 6	P=0.085N	P=0.221N	P=0.129N	P=0.056N
COCH-ARM / FISHERS	P=0.008N**	P=0.606N	P=0.207N	P=0.027N*
MAX-ISO-POLY-3	P=0.055N	P=0.169N	P=0.052N	P=0.026N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Cholangiofibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	3/47 (6%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/43.65	3/37.28
POLY-3 PERCENT (g)	0%	0%	0%	8.1%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	---	---	---	617
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.005**	(e)	(e)	P=0.094
POLY 1.5	P=0.005**	(e)	(e)	P=0.097
POLY 6	P=0.005**	(e)	(e)	P=0.089
COCH-ARM / FISHERS	P=0.007**	(e)	(e)	P=0.110
MAX-ISO-POLY-3	P=0.008**	(e)	(e)	P=0.035*

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	35/50 (70%)	21/49 (43%)	26/50 (52%)	31/47 (66%)
POLY-3 RATE (b)	35/44.13	21/45.55	26/44.47	31/39.69
POLY-3 PERCENT (g)	79.3%	46.1%	58.5%	78.1%
TERMINAL (d)	32/37 (87%)	21/39 (54%)	23/33 (70%)	26/28 (93%)
FIRST INCIDENCE	592	729 (T)	610	490
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.061	P<0.001N**	P=0.021N*	P=0.556N
POLY 1.5	P=0.083	P<0.001N**	P=0.024N*	P=0.531N
POLY 6	P=0.040*	P<0.001N**	P=0.021N*	P=0.615N
COCH-ARM / FISHERS	P=0.201	P=0.006N**	P=0.050N*	P=0.417N
MAX-ISO-POLY-3	P=0.048N*	P<0.001N**	P=0.012N*	P=0.441N

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

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Congestion</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/49 (0%)	0/50 (0%)	1/47 (2%)
POLY-3 RATE (b)	3/44.15	0/45.55	0/43.65	1/37.48
POLY-3 PERCENT (g)	6.8%	0%	0%	2.7%
TERMINAL (d)	2/37 (5%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	292	---	---	537
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.540N	P=0.113N	P=0.120N	P=0.366N
POLY 1.5	P=0.533N	P=0.116N	P=0.118N	P=0.356N
POLY 6	P=0.548N	P=0.110N	P=0.124N	P=0.377N
COCH-ARM / FISHERS	P=0.513N	P=0.125N	P=0.121N	P=0.332N
MAX-ISO-POLY-3	P=0.080N	P=0.039N*	P=0.039N*	P=0.212N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	7/49 (14%)	21/50 (42%)	31/47 (66%)
POLY-3 RATE (b)	5/43.21	7/46.28	21/44.79	31/41.84
POLY-3 PERCENT (g)	11.6%	15.1%	46.9%	74.1%
TERMINAL (d)	5/37 (14%)	4/39 (10%)	18/33 (55%)	19/28 (68%)
FIRST INCIDENCE	729 (T)	619	555	385
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.428	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.409	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.450	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.365	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.319	P<0.001**	P<0.001**

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	12/49 (24%)	28/50 (56%)	39/47 (83%)
POLY-3 RATE (b)	15/46.97	12/47.50	28/48.00	39/45.95
POLY-3 PERCENT (g)	31.9%	25.3%	58.3%	84.9%
TERMINAL (d)	7/37 (19%)	5/39 (13%)	17/33 (52%)	22/28 (79%)
FIRST INCIDENCE	37	525	472	3
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.313N	P=0.007**	P<0.001**
POLY 1.5	P<0.001**	P=0.326N	P=0.007**	P<0.001**
POLY 6	P<0.001**	P=0.299N	P=0.007**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.349N	P=0.007**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.240N	P=0.004**	P<0.001**



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	1/49 (2%)	0/50 (0%)	0/47 (0%)
POLY-3 RATE (b)	4/44.51	1/45.55	0/43.65	0/36.88
POLY-3 PERCENT (g)	9%	2.2%	0%	0%
TERMINAL (d)	1/37 (3%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	592	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.084N	P=0.172N	P=0.063N	P=0.087N
POLY 1.5	P=0.081N	P=0.174N	P=0.060N	P=0.081N
POLY 6	P=0.087N	P=0.172N	P=0.067N	P=0.097N
COCH-ARM / FISHERS	P=0.075N	P=0.187N	P=0.059N	P=0.066N
MAX-ISO-POLY-3	P=0.023N*	P=0.083N	P=0.021N*	P=0.040N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/43.65	0/36.88
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hepatodiaphragmatic Nodule</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	4/50 (8%)	5/49 (10%)	0/50 (0%)	1/47 (2%)
<b>POLY-3 RATE (b)</b>	4/43.21	5/45.55	0/43.65	1/36.88
<b>POLY-3 PERCENT (g)</b>	9.3%	11%	0%	2.7%
<b>TERMINAL (d)</b>	4/37 (11%)	5/39 (13%)	0/33 (0%)	1/28 (4%)
<b>FIRST INCIDENCE</b>	729 (T)	729 (T)	---	729 (T)
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.097N	P=0.533	P=0.059N	P=0.230N
<b>POLY 1.5</b>	P=0.093N	P=0.521	P=0.058N	P=0.220N
<b>POLY 6</b>	P=0.102N	P=0.544	P=0.060N	P=0.242N
<b>COCH-ARM / FISHERS</b>	P=0.084N	P=0.487	P=0.059N	P=0.201N
<b>MAX-ISO-POLY-3</b>	P=0.097N	P=0.396	P=0.019N*	P=0.129N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	7/47 (15%)
POLY-3 RATE (b)	0/43.21	0/45.55	2/43.65	7/36.88
POLY-3 PERCENT (g)	0%	0%	4.6%	19%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	2/33 (6%)	7/28 (25%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.239	P=0.003**
POLY 1.5	P<0.001**	(e)	P=0.241	P=0.004**
POLY 6	P<0.001**	(e)	P=0.235	P=0.003**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.247	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.078	P=0.002**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver Inflammation Chronic				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/49 (0%)	0/50 (0%)	0/47 (0%)
POLY-3 RATE (b)	1/43.21	0/45.55	0/43.65	0/36.88
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<hr/>				
Liver				
Mixed Cell Focus				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/50 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	1/45.68	0/43.65	0/36.88
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	694	---	---
<hr/>				
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/49 (4%)	1/50 (2%)	0/47 (0%)
POLY-3 RATE (b)	1/43.99	2/46.69	1/43.92	0/36.88
POLY-3 PERCENT (g)	2.3%	4.3%	2.3%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	445	358	656	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.266N	P=0.521	P=0.760	P=0.535N
POLY 1.5	P=0.258N	P=0.514	P=0.758N	P=0.528N
POLY 6	P=0.277N	P=0.528	P=0.757	P=0.543N
COCH-ARM / FISHERS	P=0.237N	P=0.492	P=0.753N	P=0.515N
MAX-ISO-POLY-3	P=0.306N	P=0.304	P=0.499	P=0.197N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Bile Duct Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/49 (4%)	5/50 (10%)	7/47 (15%)
POLY-3 RATE (b)	2/43.35	2/45.55	5/44.31	7/37.28
POLY-3 PERCENT (g)	4.6%	4.4%	11.3%	18.8%
TERMINAL (d)	1/37 (3%)	2/39 (5%)	4/33 (12%)	6/28 (21%)
FIRST INCIDENCE	694	729 (T)	508	617
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.013*	P=0.676N	P=0.225	P=0.047*
POLY 1.5	P=0.015*	P=0.682N	P=0.226	P=0.051
POLY 6	P=0.010**	P=0.671N	P=0.218	P=0.041*
COCH-ARM / FISHERS	P=0.024*	P=0.684	P=0.218	P=0.066
MAX-ISO-POLY-3	P=0.021*	P=0.479N	P=0.128	P=0.027*



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Bile Duct Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	20/49 (41%)	16/50 (32%)	14/47 (30%)
POLY-3 RATE (b)	16/45.89	20/45.55	16/44.66	14/37.44
POLY-3 PERCENT (g)	34.9%	43.9%	35.8%	37.4%
TERMINAL (d)	12/37 (32%)	20/39 (51%)	12/33 (36%)	12/28 (43%)
FIRST INCIDENCE	292	729 (T)	614	617
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.490N	P=0.250	P=0.550	P=0.496
POLY 1.5	P=0.430N	P=0.253	P=0.572	P=0.550
POLY 6	P=0.552	P=0.246	P=0.527	P=0.438
COCH-ARM / FISHERS	P=0.279N	P=0.241	P=0.585N	P=0.494N
MAX-ISO-POLY-3	P=0.564	P=0.187	P=0.461	P=0.411

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Hepatocyte Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	48/49 (98%)	49/50 (98%)	45/47 (96%)
POLY-3 RATE (b)	0/43.21	48/48.61	49/49.94	45/45.00
POLY-3 PERCENT (g)	0%	98.7%	98.1%	100%
TERMINAL (d)	0/37 (0%)	39/39 (100%)	33/33 (100%)	28/28 (100%)
FIRST INCIDENCE	---	358	368	225
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/49 (4%)	1/50 (2%)	8/47 (17%)
POLY-3 RATE (b)	4/45.29	2/45.55	1/43.65	8/40.48
POLY-3 PERCENT (g)	8.8%	4.4%	2.3%	19.8%
TERMINAL (d)	1/37 (3%)	2/39 (5%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	292	729 (T)	729 (T)	385
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	P=0.334N	P=0.190N	P=0.125
POLY 1.5	P=0.012*	P=0.337N	P=0.183N	P=0.128
POLY 6	P=0.012*	P=0.332N	P=0.199N	P=0.124
COCH-ARM / FISHERS	P=0.017*	P=0.349N	P=0.181N	P=0.149
MAX-ISO-POLY-3	P=0.016*	P=0.200N	P=0.094N	P=0.080

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Oval Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/49 (6%)	3/50 (6%)	10/47 (21%)
POLY-3 RATE (b)	1/43.87	3/45.55	3/43.85	10/38.57
POLY-3 PERCENT (g)	2.3%	6.6%	6.8%	25.9%
TERMINAL (d)	0/37 (0%)	3/39 (8%)	2/33 (6%)	7/28 (25%)
FIRST INCIDENCE	508	729 (T)	676	490
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.319	P=0.305	P=0.002**
POLY 1.5	P<0.001**	P=0.314	P=0.309	P=0.002**
POLY 6	P<0.001**	P=0.323	P=0.298	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.301	P=0.309	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.169	P=0.154	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	25/50 (50%)	23/50 (46%)	22/50 (44%)	30/49 (61%)
POLY-3 RATE (b)	25/45.32	23/47.06	22/45.14	30/43.71
POLY-3 PERCENT (g)	55.2%	48.9%	48.7%	68.6%
TERMINAL (d)	20/37 (54%)	21/39 (54%)	18/33 (55%)	19/28 (68%)
FIRST INCIDENCE	445	525	555	385
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.041*	P=0.345N	P=0.342N	P=0.132
POLY 1.5	P=0.044*	P=0.356N	P=0.325N	P=0.134
POLY 6	P=0.038*	P=0.341N	P=0.372N	P=0.127
COCH-ARM / FISHERS	P=0.078	P=0.421N	P=0.344N	P=0.178
MAX-ISO-POLY-3	P=0.068	P=0.275N	P=0.268N	P=0.093

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	1/38.47
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	---	---	---	729 (T)
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lung</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/43.21	0/46.30	0/43.65	1/38.47
POLY-3 PERCENT (g)	2.3%	0%	0%	2.6%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Mineralization</b>				
<b>LESION 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	1/43.65	1/38.47
POLY-3 PERCENT (g)	0%	0%	2.3%	2.6%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	1/28 (4%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
<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)



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/43.21	3/46.30	1/43.92	0/38.47
POLY-3 PERCENT (g)	2.3%	6.5%	2.3%	0%
TERMINAL (d)	1/37 (3%)	3/39 (8%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	656	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.183N	P=0.330	P=0.757N	P=0.523N
POLY 1.5	P=0.178N	P=0.324	P=0.756N	P=0.517N
POLY 6	P=0.192N	P=0.336	P=0.760N	P=0.531N
COCH-ARM / FISHERS	P=0.164N	P=0.309	P=0.753N	P=0.505N
MAX-ISO-POLY-3	P=0.218N	P=0.180	P=0.495N	P=0.185N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lung: Bronchus Hyperplasia Lymphoid</b>				
<b>LESION 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	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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, Mandibular Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	2/50 (4%)	4/50 (8%)	1/48 (2%)
POLY-3 RATE (b)	4/43.21	2/46.43	4/44.21	1/37.67
POLY-3 PERCENT (g)	9.3%	4.3%	9.1%	2.7%
TERMINAL (d)	4/37 (11%)	1/39 (3%)	3/33 (9%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	694	555	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.279N	P=0.305N	P=0.631N	P=0.222N
POLY 1.5	P=0.261N	P=0.313N	P=0.630N	P=0.213N
POLY 6	P=0.302N	P=0.297N	P=0.637N	P=0.236N
COCH-ARM / FISHERS	P=0.216N	P=0.339N	P=0.643N	P=0.194N
MAX-ISO-POLY-3	P=0.219N	P=0.184N	P=0.486N	P=0.123N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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, Mandibular Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	2/43.21	0/46.30	0/43.65	0/37.67
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)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.300N	P=0.222N	P=0.235N	P=0.269N
POLY 1.5	P=0.296N	P=0.226N	P=0.233N	P=0.262N
POLY 6	P=0.304N	P=0.219N	P=0.238N	P=0.278N
COCH-ARM / FISHERS	P=0.284N	P=0.247N	P=0.247N	P=0.258N
MAX-ISO-POLY-3	P=0.060N	P=0.076N	P=0.076N	P=0.103N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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, Mandibular Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/48 (4%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	2/38.52
POLY-3 PERCENT (g)	0%	0%	0%	5.2%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	---	---	---	385
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.032*	(e)	(e)	P=0.212
POLY 1.5	P=0.033*	(e)	(e)	P=0.217
POLY 6	P=0.031*	(e)	(e)	P=0.205
COCH-ARM / FISHERS	P=0.038*	(e)	(e)	P=0.237
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.073

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/49 (2%)	2/50 (4%)	1/46 (2%)
POLY-3 RATE (b)	2/43.21	1/45.68	2/43.65	1/36.18
POLY-3 PERCENT (g)	4.6%	2.2%	4.6%	2.8%
TERMINAL (d)	2/37 (5%)	0/39 (0%)	2/33 (6%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	694	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.570N	P=0.481N	P=0.691N	P=0.562N
POLY 1.5	P=0.556N	P=0.488N	P=0.688N	P=0.553N
POLY 6	P=0.586N	P=0.473N	P=0.692	P=0.572N
COCH-ARM / FISHERS	P=0.518N	P=0.508N	P=0.691N	P=0.532N
MAX-ISO-POLY-3	P=0.543N	P=0.271N	P=0.495N	P=0.343N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/49 (8%)	3/50 (6%)	1/46 (2%)
POLY-3 RATE (b)	1/43.21	4/45.55	3/43.92	1/36.58
POLY-3 PERCENT (g)	2.3%	8.8%	6.8%	2.7%
TERMINAL (d)	1/37 (3%)	4/39 (10%)	2/33 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	656	617
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.390N	P=0.195	P=0.311	P=0.723
POLY 1.5	P=0.378N	P=0.189	P=0.313	P=0.727
POLY 6	P=0.403N	P=0.200	P=0.306	P=0.717
COCH-ARM / FISHERS	P=0.343N	P=0.175	P=0.309	P=0.731
MAX-ISO-POLY-3	P=0.377	P=0.100	P=0.160	P=0.454

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node, Mesenteric Pigmentation Hemosiderin</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	1/50 (2%)	0/46 (0%)
POLY-3 RATE (b)	1/43.21	1/45.63	1/44.17	0/36.18
POLY-3 PERCENT (g)	2.3%	2.2%	2.3%	0%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	708	569	---
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Lymph Node: Inguinal  
Pigmentation

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**LESION RATES**

OVERALL (a)	2/10 (20%)	0/5 (0%)	2/6 (33%)	0/9 (0%)
POLY-3 RATE (b)	2/8.07	0/4.24	2/5.83	0/4.12
POLY-3 PERCENT (g)	24.8%	0%	34.3%	0%
TERMINAL (d)	1/6 (17%)	0/1 (0%)	2/5 (40%)	0/2 (0%)
FIRST INCIDENCE	592	---	729 (T)	---

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**STATISTICAL TESTS**

POLY 3	P=0.458N	P=0.380N	P=0.582	P=0.398N
POLY 1.5	P=0.414N	P=0.379N	P=0.556	P=0.360N
POLY 6	P=0.500N	P=0.402N	P=0.601	P=0.444N
COCH-ARM / FISHERS	P=0.252N	P=0.429N	P=0.489	P=0.263N
MAX-ISO-POLY-3	P=0.381N	P=0.164N	P=0.358	P=0.212N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Lymph Node: Mediastinal Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	1/5 (20%)	1/6 (17%)	0/9 (0%)
POLY-3 RATE (b)	0/7.60	1/4.38	1/5.83	0/4.12
POLY-3 PERCENT (g)	0%	22.9%	17.1%	0%
TERMINAL (d)	0/6 (0%)	0/1 (0%)	1/5 (20%)	0/2 (0%)
FIRST INCIDENCE	---	694	729 (T)	---
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Lymph Node: Mediastinal Hemorrhage

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**LESION RATES**

OVERALL (a)	2/10 (20%)	1/5 (20%)	0/6 (0%)	1/9 (11%)
POLY-3 RATE (b)	2/7.97	1/4.38	0/5.83	1/4.48
POLY-3 PERCENT (g)	25.1%	22.9%	0%	22.3%
TERMINAL (d)	1/6 (17%)	0/1 (0%)	0/5 (0%)	0/2 (0%)
FIRST INCIDENCE	627	694	---	627

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**STATISTICAL TESTS**

POLY 3	P=0.522N	P=0.719N	P=0.294N	P=0.699N
POLY 1.5	P=0.528N	P=0.719N	P=0.312N	P=0.670N
POLY 6	P=0.507N	P=0.735N	P=0.281N	P=0.727N
COCH-ARM / FISHERS	P=0.465N	P=0.736	P=0.375N	P=0.542N
MAX-ISO-POLY-3	P=0.505N	P=0.469N	P=0.098N	P=0.466N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Mediastinal Pigmentation Hemosiderin</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/10 (30%)	2/5 (40%)	1/6 (17%)	4/9 (44%)
POLY-3 RATE (b)	3/8.24	2/4.32	1/5.83	4/4.71
POLY-3 PERCENT (g)	36.4%	46.3%	17.1%	85%
TERMINAL (d)	2/6 (33%)	1/1 (100%)	1/5 (20%)	2/2 (100%)
FIRST INCIDENCE	522	708	729 (T)	627
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.147	P=0.603	P=0.426N	P=0.130
POLY 1.5	P=0.174	P=0.603	P=0.450N	P=0.181
POLY 6	P=0.132	P=0.576	P=0.406N	P=0.100
COCH-ARM / FISHERS	P=0.368	P=0.566	P=0.511N	P=0.430
MAX-ISO-POLY-3	P=0.133	P=0.385	P=0.230N	P=0.078

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Popliteal Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	1/5 (20%)	0/6 (0%)	3/9 (33%)
POLY-3 RATE (b)	0/7.60	1/4.53	0/5.83	3/6.96
POLY-3 PERCENT (g)	0%	22.1%	0%	43.1%
TERMINAL (d)	0/6 (0%)	0/1 (0%)	0/5 (0%)	0/2 (0%)
FIRST INCIDENCE	---	651	---	3
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.047*	P=0.390	(e)	P=0.066
POLY 1.5	P=0.050*	P=0.380	(e)	P=0.070
POLY 6	P=0.042*	P=0.393	(e)	P=0.060
COCH-ARM / FISHERS	P=0.061	P=0.333	(e)	P=0.087
MAX-ISO-POLY-3	P=0.021*	P=0.100	(e)	P=0.015*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/48 (0%)
POLY-3 RATE (b)	0/43.21	0/45.55	2/43.65	0/38.06
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	2/33 (6%)	0/28 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.728	(e)	P=0.239	(e)
POLY 1.5	P=0.722N	(e)	P=0.241	(e)
POLY 6	P=0.709	(e)	P=0.235	(e)
COCH-ARM / FISHERS	P=0.694N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.278	(e)	P=0.078	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Galactocele</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/49 (0%)	3/50 (6%)	3/48 (6%)
POLY-3 RATE (b)	2/44.16	0/45.55	3/44.06	3/38.90
POLY-3 PERCENT (g)	4.5%	0%	6.8%	7.7%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	585	---	676	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.167	P=0.230N	P=0.499	P=0.442
POLY 1.5	P=0.179	P=0.233N	P=0.505	P=0.454
POLY 6	P=0.152	P=0.229N	P=0.489	P=0.423
COCH-ARM / FISHERS	P=0.212	P=0.253N	P=0.500	P=0.480
MAX-ISO-POLY-3	P=0.220	P=0.077N	P=0.323	P=0.283

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	26/50 (52%)	28/49 (57%)	24/50 (48%)	19/48 (40%)
POLY-3 RATE (b)	26/46.74	28/47.97	24/47.79	19/40.33
POLY-3 PERCENT (g)	55.6%	58.4%	50.2%	47.1%
TERMINAL (d)	19/37 (51%)	21/39 (54%)	12/33 (36%)	13/28 (46%)
FIRST INCIDENCE	292	358	368	225
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.186N	P=0.475	P=0.374N	P=0.279N
POLY 1.5	P=0.141N	P=0.453	P=0.378N	P=0.234N
POLY 6	P=0.249N	P=0.497	P=0.369N	P=0.342N
COCH-ARM / FISHERS	P=0.063N	P=0.378	P=0.421N	P=0.151N
MAX-ISO-POLY-3	P=0.303N	P=0.393	P=0.301N	P=0.225N



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mammary Gland Pigmentation Hemosiderin</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/43.21	0/45.55	0/43.65	0/38.06
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Duct Dilatation</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	19/49 (39%)	13/50 (26%)	6/48 (13%)
POLY-3 RATE (b)	16/44.30	19/47.04	13/44.58	6/38.16
POLY-3 PERCENT (g)	36.1%	40.4%	29.2%	15.7%
TERMINAL (d)	13/37 (35%)	15/39 (39%)	11/33 (33%)	5/28 (18%)
FIRST INCIDENCE	585	358	472	702
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.010N**	P=0.419	P=0.317N	P=0.030N*
POLY 1.5	P=0.007N**	P=0.392	P=0.307N	P=0.025N*
POLY 6	P=0.015N*	P=0.440	P=0.343N	P=0.040N*
COCH-ARM / FISHERS	P=0.003N**	P=0.310	P=0.330N	P=0.018N*
MAX-ISO-POLY-3	P=0.016N*	P=0.342	P=0.242N	P=0.023N*

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Mesentery Hemorrhage				
<b>LESION RATES</b>				
OVERALL (a)	0/10 (0%)	0/7 (0%)	0/9 (0%)	0/6 (0%)
POLY-3 RATE (b)	0/8.81	0/6.59	0/8.45	0/4.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/6 (0%)	0/5 (0%)	0/6 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/10 (80%)	6/7 (86%)	5/9 (56%)	6/6 (100%)
POLY-3 RATE (b)	8/9.34	6/6.75	5/8.72	6/6.00
POLY-3 PERCENT (g)	85.7%	88.9%	57.3%	100%
TERMINAL (d)	5/6 (83%)	5/5 (100%)	4/6 (67%)	2/2 (100%)
FIRST INCIDENCE	646	687	655	597
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.389	P=0.720	P=0.200N	P=0.482
POLY 1.5	P=0.360	P=0.687	P=0.220N	P=0.421
POLY 6	P=0.428	P=0.733	P=0.192N	P=0.547
COCH-ARM / FISHERS	P=0.325	P=0.640	P=0.259N	P=0.375
MAX-ISO-POLY-3	P=0.208	P=0.425	P=0.085N	P=0.172

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<hr/>				
Nose				
Fungus				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/43.65	0/37.17
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Nose</b>				
<b>Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/47 (2%)
POLY-3 RATE (b)	0/43.21	1/46.30	1/43.92	1/37.28
POLY-3 PERCENT (g)	0%	2.2%	2.3%	2.7%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	656	702
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/49 (6%)	1/50 (2%)	2/46 (4%)
POLY-3 RATE (b)	1/43.21	3/45.55	1/43.65	2/36.58
POLY-3 PERCENT (g)	2.3%	6.6%	2.3%	5.5%
TERMINAL (d)	1/37 (3%)	3/39 (8%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.525	P=0.324	P=0.759N	P=0.442
POLY 1.5	P=0.535	P=0.317	P=0.757N	P=0.450
POLY 6	P=0.510	P=0.331	P=0.759	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=0.175	P=0.496N	P=0.246

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Ovary Cyst				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	5/49 (10%)	9/50 (18%)	8/46 (17%)
POLY-3 RATE (b)	5/44.36	5/46.19	9/44.47	8/38.02
POLY-3 PERCENT (g)	11.3%	10.8%	20.2%	21%
TERMINAL (d)	3/37 (8%)	3/39 (8%)	6/33 (18%)	5/28 (18%)
FIRST INCIDENCE	508	585	610	385
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.113	P=0.605N	P=0.192	P=0.182
POLY 1.5	P=0.126	P=0.614N	P=0.199	P=0.192
POLY 6	P=0.097	P=0.595N	P=0.183	P=0.168
COCH-ARM / FISHERS	P=0.170	P=0.617	P=0.194	P=0.224
MAX-ISO-POLY-3	P=0.184	P=0.473N	P=0.123	P=0.126



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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hyperplasia Tubulostromal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	4/49 (8%)	3/50 (6%)	1/46 (2%)
POLY-3 RATE (b)	0/43.21	4/45.55	3/43.65	1/36.58
POLY-3 PERCENT (g)	0%	8.8%	6.9%	2.7%
TERMINAL (d)	0/37 (0%)	4/39 (10%)	3/33 (9%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.496N	P=0.067	P=0.120	P=0.467
POLY 1.5	P=0.484N	P=0.065	P=0.122	P=0.471
POLY 6	P=0.513N	P=0.070	P=0.117	P=0.461
COCH-ARM / FISHERS	P=0.451N	P=0.056	P=0.121	P=0.479
MAX-ISO-POLY-3	P=0.179	P=0.025*	P=0.039*	P=0.153

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Follicle Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	3/49 (6%)	3/50 (6%)	6/46 (13%)
POLY-3 RATE (b)	6/44.34	3/45.55	3/43.65	6/36.58
POLY-3 PERCENT (g)	13.5%	6.6%	6.9%	16.4%
TERMINAL (d)	4/37 (11%)	3/39 (8%)	3/33 (9%)	6/28 (21%)
FIRST INCIDENCE	508	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.228	P=0.229N	P=0.249N	P=0.481
POLY 1.5	P=0.246	P=0.233N	P=0.241N	P=0.505
POLY 6	P=0.206	P=0.225N	P=0.263N	P=0.449
COCH-ARM / FISHERS	P=0.300	P=0.254N	P=0.243N	P=0.560
MAX-ISO-POLY-3	P=0.265	P=0.141N	P=0.153N	P=0.368

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	3/49 (6%)	3/49 (6%)	5/47 (11%)
POLY-3 RATE (b)	3/43.35	3/46.43	3/42.71	5/37.87
POLY-3 PERCENT (g)	6.9%	6.5%	7%	13.2%
TERMINAL (d)	2/37 (5%)	2/39 (5%)	3/33 (9%)	4/28 (14%)
FIRST INCIDENCE	694	358	729 (T)	617
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.172	P=0.630N	P=0.656	P=0.284
POLY 1.5	P=0.184	P=0.641N	P=0.660	P=0.293
POLY 6	P=0.158	P=0.622N	P=0.647	P=0.270
COCH-ARM / FISHERS	P=0.221	P=0.651	P=0.651	P=0.323
MAX-ISO-POLY-3	P=0.264	P=0.466N	P=0.492	P=0.185

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia</b>				
<b>LESION 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	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/49 (0%)	1/49 (2%)	0/47 (0%)
POLY-3 RATE (b)	3/43.21	0/45.55	1/42.71	0/37.47
POLY-3 PERCENT (g)	6.9%	0%	2.3%	0%
TERMINAL (d)	3/37 (8%)	0/39 (0%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.221N	P=0.109N	P=0.309N	P=0.145N
POLY 1.5	P=0.213N	P=0.113N	P=0.306N	P=0.141N
POLY 6	P=0.231N	P=0.106N	P=0.315N	P=0.152N
COCH-ARM / FISHERS	P=0.193N	P=0.125N	P=0.316N	P=0.133N
MAX-ISO-POLY-3	P=0.046N*	P=0.038N*	P=0.157N	P=0.059N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Pancreas: Duct Cyst</b>				
<b>LESION 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	---	---	---	---
<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)

---

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Parathyroid Gland Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/47 (0%)	0/49 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/42.21	0/43.30	0/42.65	0/35.67
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/36 (0%)	0/32 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/47 (0%)	0/49 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/42.21	0/43.30	0/42.65	0/35.67
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/36 (0%)	0/32 (0%)	0/26 (0%)
FIRST INCIDENCE	---	---	---	---
<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)



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Pigmentation Hemosiderin</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	0/47 (0%)
POLY-3 RATE (b)	0/43.21	0/45.30	2/43.71	0/36.98
POLY-3 PERCENT (g)	0%	0%	4.6%	0%
TERMINAL (d)	0/37 (0%)	0/38 (0%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	715	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.723	(e)	P=0.240	(e)
POLY 1.5	P=0.728N	(e)	P=0.241	(e)
POLY 6	P=0.705	(e)	P=0.236	(e)
COCH-ARM / FISHERS	P=0.699N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.281	(e)	P=0.078	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Pituitary Gland: Pars Distalis  
Cyst

---

**LESION RATES**

OVERALL (a)	3/50 (6%)	1/49 (2%)	3/50 (6%)	1/47 (2%)
POLY-3 RATE (b)	3/43.21	1/45.30	3/43.65	1/36.98
POLY-3 PERCENT (g)	6.9%	2.2%	6.9%	2.7%
TERMINAL (d)	3/37 (8%)	1/38 (3%)	3/33 (9%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

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**STATISTICAL TESTS**

POLY 3	P=0.441N	P=0.289N	P=0.658N	P=0.363N
POLY 1.5	P=0.424N	P=0.295N	P=0.654N	P=0.353N
POLY 6	P=0.460N	P=0.284N	P=0.660	P=0.376N
COCH-ARM / FISHERS	P=0.377N	P=0.316N	P=0.661N	P=0.332N
MAX-ISO-POLY-3	P=0.339N	P=0.149N	P=0.494N	P=0.209N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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First Dose M/F: 08/26/08 / 08/26/08  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia Focal</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	9/49 (18%)	17/50 (34%)	9/47 (19%)
POLY-3 RATE (b)	14/44.06	9/45.43	17/43.76	9/36.98
POLY-3 PERCENT (g)	31.8%	19.8%	38.9%	24.3%
TERMINAL (d)	12/37 (32%)	8/38 (21%)	16/33 (49%)	9/28 (32%)
FIRST INCIDENCE	585	694	701	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.485N	P=0.145N	P=0.318	P=0.311N
POLY 1.5	P=0.430N	P=0.153N	P=0.339	P=0.280N
POLY 6	P=0.553N	P=0.141N	P=0.282	P=0.358N
COCH-ARM / FISHERS	P=0.300N	P=0.185N	P=0.333	P=0.216N
MAX-ISO-POLY-3	P=0.402N	P=0.101N	P=0.244	P=0.245N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Pituitary Gland: Pars Intermedia  
Hyperplasia Focal

---

**LESION RATES**

OVERALL (a)	0/50 (0%)	1/49 (2%)	0/50 (0%)	1/47 (2%)
POLY-3 RATE (b)	0/43.21	1/45.30	0/43.65	1/36.98
POLY-3 PERCENT (g)	0%	2.2%	0%	2.7%
TERMINAL (d)	0/37 (0%)	1/38 (3%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Pituitary Gland: Pars Nervosa  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	1/50 (2%)	0/49 (0%)	1/50 (2%)	1/47 (2%)
POLY-3 RATE (b)	1/43.21	0/45.30	1/43.65	1/36.98
POLY-3 PERCENT (g)	2.3%	0%	2.3%	2.7%
TERMINAL (d)	1/37 (3%)	0/38 (0%)	1/33 (3%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)

---

**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Salivary Glands: Duct, Parotid Gland  
Cyst

---

**LESION RATES**

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/43.21	0/46.30	0/42.71	0/35.44
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---

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**STATISTICAL TESTS**

POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

---

Salivary Glands: Duct, Parotid Gland  
Inflammation Acute

---

**LESION RATES**

OVERALL (a)	1/50 (2%)	2/50 (4%)	4/49 (8%)	1/45 (2%)
POLY-3 RATE (b)	1/43.52	2/46.46	4/43.89	1/35.83
POLY-3 PERCENT (g)	2.3%	4.3%	9.1%	2.8%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	646	687	569	619

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**STATISTICAL TESTS**

POLY 3	P=0.595N	P=0.523	P=0.181	P=0.716
POLY 1.5	P=0.579N	P=0.517	P=0.181	P=0.721
POLY 6	P=0.611N	P=0.527	P=0.180	P=0.710
COCH-ARM / FISHERS	P=0.531N	P=0.500	P=0.175	P=0.726
MAX-ISO-POLY-3	P=0.367	P=0.305	P=0.087	P=0.447

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Salivary Glands: Parotid Gland  
Atrophy

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**LESION RATES**

OVERALL (a)	4/50 (8%)	4/50 (8%)	4/49 (8%)	5/45 (11%)
POLY-3 RATE (b)	4/44.21	4/47.49	4/44.35	5/36.35
POLY-3 PERCENT (g)	9.1%	8.4%	9%	13.8%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	445	525	553	619

---

**STATISTICAL TESTS**

POLY 3	P=0.274	P=0.603N	P=0.642N	P=0.379
POLY 1.5	P=0.291	P=0.614N	P=0.641N	P=0.391
POLY 6	P=0.259	P=0.592N	P=0.642	P=0.368
COCH-ARM / FISHERS	P=0.349	P=0.643N	P=0.631	P=0.433
MAX-ISO-POLY-3	P=0.402	P=0.458N	P=0.497N	P=0.269

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Parotid Gland Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	9/50 (18%)	7/49 (14%)	2/45 (4%)
POLY-3 RATE (b)	6/45.32	9/48.50	7/45.76	2/36.41
POLY-3 PERCENT (g)	13.2%	18.6%	15.3%	5.5%
TERMINAL (d)	1/37 (3%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	445	525	472	543
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.102N	P=0.338	P=0.507	P=0.214N
POLY 1.5	P=0.089N	P=0.324	P=0.506	P=0.202N
POLY 6	P=0.117N	P=0.356	P=0.507	P=0.229N
COCH-ARM / FISHERS	P=0.060N	P=0.288	P=0.484	P=0.171N
MAX-ISO-POLY-3	P=0.166N	P=0.250	P=0.389	P=0.140N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>				
Cyst Epithelial Inclusion				
<b>LESION 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	---	---	---	---
<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)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Hyperkeratosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/49 (0%)
POLY-3 RATE (b)	1/43.35	0/46.30	2/43.65	0/38.47
POLY-3 PERCENT (g)	2.3%	0%	4.6%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	2/33 (6%)	0/28 (0%)
FIRST INCIDENCE	694	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.516N	P=0.487N	P=0.502	P=0.524N
POLY 1.5	P=0.501N	P=0.490N	P=0.506	P=0.518N
POLY 6	P=0.534N	P=0.485N	P=0.495	P=0.533N
COCH-ARM / FISHERS	P=0.465N	P=0.500N	P=0.500	P=0.505N
MAX-ISO-POLY-3	P=0.376N	P=0.158N	P=0.283	P=0.186N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Acute</b>				
<b>LESION 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	2/44.21	0/38.47
POLY-3 PERCENT (g)	0%	0%	4.5%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	553	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.726	(e)	P=0.242	(e)
POLY 1.5	P=0.721N	(e)	P=0.243	(e)
POLY 6	P=0.705	(e)	P=0.240	(e)
COCH-ARM / FISHERS	P=0.690N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.281	(e)	P=0.081	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/43.21	2/46.43	1/43.65	1/38.47
POLY-3 PERCENT (g)	0%	4.3%	2.3%	2.6%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	1/33 (3%)	1/28 (4%)
FIRST INCIDENCE	---	694	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.599	P=0.254	P=0.502	P=0.477
POLY 1.5	P=0.611	P=0.249	P=0.504	P=0.483
POLY 6	P=0.583	P=0.257	P=0.499	P=0.469
COCH-ARM / FISHERS	P=0.638	P=0.247	P=0.500	P=0.495
MAX-ISO-POLY-3	P=0.319	P=0.092	P=0.161	P=0.157

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Skin Ulcer				
<b>LESION 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	2/44.21	1/38.47
POLY-3 PERCENT (g)	2.3%	0%	4.5%	2.6%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	1/33 (3%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	---	553	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.485	P=0.486N	P=0.508	P=0.734
POLY 1.5	P=0.504	P=0.490N	P=0.509	P=0.741
POLY 6	P=0.463	P=0.483N	P=0.504	P=0.725
COCH-ARM / FISHERS	P=0.549	P=0.500N	P=0.500	P=0.747
MAX-ISO-POLY-3	P=0.396	P=0.158N	P=0.289	P=0.468

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Epidermis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/43.21	1/46.43	1/43.65	2/38.47
POLY-3 PERCENT (g)	0%	2.2%	2.3%	5.2%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	2/28 (7%)
FIRST INCIDENCE	---	694	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.169	P=0.514	P=0.502	P=0.212
POLY 1.5	P=0.178	P=0.511	P=0.504	P=0.218
POLY 6	P=0.159	P=0.518	P=0.499	P=0.203
COCH-ARM / FISHERS	P=0.198	P=0.500	P=0.500	P=0.242
MAX-ISO-POLY-3	P=0.123	P=0.176	P=0.161	P=0.074

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	27/50 (54%)	24/49 (49%)	19/50 (38%)	17/45 (38%)
POLY-3 RATE (b)	27/44.99	24/45.82	19/45.60	17/40.59
POLY-3 PERCENT (g)	60%	52.4%	41.7%	41.9%
TERMINAL (d)	23/37 (62%)	22/39 (56%)	16/33 (49%)	10/28 (36%)
FIRST INCIDENCE	585	694	368	3
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.081N	P=0.299N	P=0.057N	P=0.067N
POLY 1.5	P=0.079N	P=0.310N	P=0.056N	P=0.066N
POLY 6	P=0.089N	P=0.298N	P=0.068N	P=0.075N
COCH-ARM / FISHERS	P=0.082N	P=0.383N	P=0.080N	P=0.084N
MAX-ISO-POLY-3	P=0.077N	P=0.232N	P=0.037N*	P=0.046N*



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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Spleen Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	31/50 (62%)	31/49 (63%)	32/50 (64%)	27/45 (60%)
POLY-3 RATE (b)	31/45.63	31/48.24	32/47.77	27/39.94
POLY-3 PERCENT (g)	67.9%	64.3%	67%	67.6%
TERMINAL (d)	25/37 (68%)	24/39 (62%)	21/33 (64%)	17/28 (61%)
FIRST INCIDENCE	445	358	368	225
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.493	P=0.436N	P=0.549N	P=0.580N
POLY 1.5	P=0.524	P=0.488N	P=0.567N	P=0.575N
POLY 6	P=0.470	P=0.387N	P=0.540N	P=0.579N
COCH-ARM / FISHERS	P=0.432N	P=0.531	P=0.500	P=0.504N
MAX-ISO-POLY-3	P=0.670N	P=0.355N	P=0.460N	P=0.486N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Spleen: Lymphoid Follicle Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/49 (4%)	3/50 (6%)	1/45 (2%)
POLY-3 RATE (b)	0/43.21	2/45.98	3/44.04	1/35.55
POLY-3 PERCENT (g)	0%	4.4%	6.8%	2.8%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	---	658	655	686
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.555	P=0.251	P=0.122	P=0.461
POLY 1.5	P=0.570	P=0.246	P=0.123	P=0.465
POLY 6	P=0.537	P=0.257	P=0.120	P=0.456
COCH-ARM / FISHERS	P=0.616	P=0.242	P=0.121	P=0.474
MAX-ISO-POLY-3	P=0.226	P=0.091	P=0.040*	P=0.151

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Edema</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/50 (4%)	0/48 (0%)
POLY-3 RATE (b)	1/43.99	1/45.84	2/44.94	0/37.78
POLY-3 PERCENT (g)	2.3%	2.2%	4.5%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	445	651	472	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.385N	P=0.751N	P=0.508	P=0.530N
POLY 1.5	P=0.371N	P=0.755N	P=0.508	P=0.524N
POLY 6	P=0.402N	P=0.747N	P=0.504	P=0.539N
COCH-ARM / FISHERS	P=0.337N	P=0.747	P=0.500	P=0.510N
MAX-ISO-POLY-3	P=0.342N	P=0.488N	P=0.289	P=0.193N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Hyperkeratosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	6/49 (12%)	7/50 (14%)	4/48 (8%)
POLY-3 RATE (b)	4/45.22	6/47.25	7/45.79	4/39.11
POLY-3 PERCENT (g)	8.9%	12.7%	15.3%	10.2%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	1/33 (3%)	1/28 (4%)
FIRST INCIDENCE	445	525	472	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.555N	P=0.398	P=0.268	P=0.562
POLY 1.5	P=0.524N	P=0.387	P=0.271	P=0.580
POLY 6	P=0.561	P=0.411	P=0.262	P=0.538
COCH-ARM / FISHERS	P=0.449N	P=0.357	P=0.262	P=0.619
MAX-ISO-POLY-3	P=0.477	P=0.282	P=0.175	P=0.418

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/49 (6%)	1/50 (2%)	0/48 (0%)
POLY-3 RATE (b)	0/43.21	3/46.44	1/44.21	0/37.78
POLY-3 PERCENT (g)	0%	6.5%	2.3%	0%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	525	553	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.273N	P=0.132	P=0.505	(e)
POLY 1.5	P=0.268N	P=0.127	P=0.505	(e)
POLY 6	P=0.280N	P=0.138	P=0.503	(e)
COCH-ARM / FISHERS	P=0.257N	P=0.117	P=0.500	(e)
MAX-ISO-POLY-3	P=0.293N	P=0.050*	P=0.164	(e)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/49 (4%)	5/50 (10%)	3/48 (6%)
POLY-3 RATE (b)	3/44.12	2/45.97	5/44.95	3/39.11
POLY-3 PERCENT (g)	6.8%	4.4%	11.1%	7.7%
TERMINAL (d)	1/37 (3%)	0/39 (0%)	1/33 (3%)	0/28 (0%)
FIRST INCIDENCE	445	651	472	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.445	P=0.481N	P=0.366	P=0.606
POLY 1.5	P=0.465	P=0.489N	P=0.368	P=0.616
POLY 6	P=0.418	P=0.473N	P=0.362	P=0.592
COCH-ARM / FISHERS	P=0.524	P=0.510N	P=0.357	P=0.641
MAX-ISO-POLY-3	P=0.423	P=0.312N	P=0.241	P=0.441

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/49 (4%)	3/50 (6%)	1/48 (2%)
POLY-3 RATE (b)	0/43.21	2/45.55	3/43.65	1/38.62
POLY-3 PERCENT (g)	0%	4.4%	6.9%	2.6%
TERMINAL (d)	0/37 (0%)	2/39 (5%)	3/33 (9%)	0/28 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.590	P=0.249	P=0.120	P=0.478
POLY 1.5	P=0.603	P=0.245	P=0.122	P=0.481
POLY 6	P=0.569	P=0.253	P=0.117	P=0.471
COCH-ARM / FISHERS	P=0.639	P=0.242	P=0.121	P=0.490
MAX-ISO-POLY-3	P=0.217	P=0.089	P=0.039*	P=0.156

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	4/49 (8%)	3/50 (6%)	3/48 (6%)
POLY-3 RATE (b)	2/44.12	4/46.24	3/44.58	3/39.11
POLY-3 PERCENT (g)	4.5%	8.7%	6.7%	7.7%
TERMINAL (d)	0/37 (0%)	1/39 (3%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	445	651	553	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.507	P=0.359	P=0.505	P=0.445
POLY 1.5	P=0.523	P=0.350	P=0.507	P=0.455
POLY 6	P=0.486	P=0.369	P=0.500	P=0.432
COCH-ARM / FISHERS	P=0.568	P=0.329	P=0.500	P=0.480
MAX-ISO-POLY-3	P=0.480	P=0.224	P=0.329	P=0.286



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Forestomach: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	6/49 (12%)	6/50 (12%)	4/48 (8%)
POLY-3 RATE (b)	5/45.22	6/47.25	6/45.51	4/39.11
POLY-3 PERCENT (g)	11.1%	12.7%	13.2%	10.2%
TERMINAL (d)	1/37 (3%)	1/39 (3%)	1/33 (3%)	1/28 (4%)
FIRST INCIDENCE	445	525	472	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.480N	P=0.531	P=0.505	P=0.590N
POLY 1.5	P=0.451N	P=0.519	P=0.510	P=0.571N
POLY 6	P=0.517N	P=0.545	P=0.495	P=0.615N
COCH-ARM / FISHERS	P=0.381N	P=0.486	P=0.500	P=0.526N
MAX-ISO-POLY-3	P=0.614N	P=0.405	P=0.378	P=0.453N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Glandular Inflammation Acute</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/49 (2%)	2/50 (4%)	0/46 (0%)
POLY-3 RATE (b)	0/42.52	1/45.81	2/44.90	0/36.67
POLY-3 PERCENT (g)	0%	2.2%	4.5%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	658	472	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.551N	P=0.515	P=0.249	(e)
POLY 1.5	P=0.540N	P=0.511	P=0.249	(e)
POLY 6	P=0.564N	P=0.518	P=0.247	(e)
COCH-ARM / FISHERS	P=0.513N	P=0.500	P=0.253	(e)
MAX-ISO-POLY-3	P=0.365	P=0.177	P=0.087	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/49 (18%)	11/49 (22%)	14/50 (28%)	7/46 (15%)
POLY-3 RATE (b)	9/44.11	11/45.55	14/44.52	7/36.67
POLY-3 PERCENT (g)	20.4%	24.2%	31.5%	19.1%
TERMINAL (d)	6/37 (16%)	11/39 (28%)	13/33 (39%)	7/28 (25%)
FIRST INCIDENCE	508	729 (T)	368	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.431N	P=0.432	P=0.171	P=0.552N
POLY 1.5	P=0.385N	P=0.431	P=0.188	P=0.518N
POLY 6	P=0.492N	P=0.426	P=0.144	P=0.597N
COCH-ARM / FISHERS	P=0.279N	P=0.401	P=0.185	P=0.447N
MAX-ISO-POLY-3	P=0.444N	P=0.337	P=0.116	P=0.444N

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/50 (20%)	7/49 (14%)	18/48 (38%)	9/46 (20%)
POLY-3 RATE (b)	10/44.10	7/47.13	18/45.92	9/38.48
POLY-3 PERCENT (g)	22.7%	14.9%	39.2%	23.4%
TERMINAL (d)	6/37 (16%)	2/39 (5%)	7/33 (21%)	4/28 (14%)
FIRST INCIDENCE	627	619	472	490
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.353	P=0.246N	P=0.069	P=0.573
POLY 1.5	P=0.383	P=0.265N	P=0.061	P=0.580
POLY 6	P=0.319	P=0.229N	P=0.080	P=0.561
COCH-ARM / FISHERS	P=0.495	P=0.314N	P=0.045*	P=0.581N
MAX-ISO-POLY-3	P=0.154	P=0.179N	P=0.048*	P=0.470

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Thymus Ectopic Parathyroid Gland				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/48 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/43.21	0/45.92	0/42.11	0/36.47
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	0/28 (0%)
FIRST INCIDENCE	---	---	---	---
<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)

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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Date Report Requested: 08/12/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	6/49 (12%)	5/48 (10%)	1/46 (2%)
POLY-3 RATE (b)	4/43.21	6/45.92	5/42.80	1/36.92
POLY-3 PERCENT (g)	9.3%	13.1%	11.7%	2.7%
TERMINAL (d)	4/37 (11%)	6/39 (15%)	3/33 (9%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	610	597
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.118N	P=0.408	P=0.494	P=0.229N
POLY 1.5	P=0.110N	P=0.394	P=0.492	P=0.224N
POLY 6	P=0.127N	P=0.421	P=0.494	P=0.236N
COCH-ARM / FISHERS	P=0.087N	P=0.357	P=0.474	P=0.208N
MAX-ISO-POLY-3	P=0.183N	P=0.293	P=0.357	P=0.127N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	45/45 (100%)	48/49 (98%)	46/47 (98%)	38/42 (90%)
POLY-3 RATE (b)	45/45.00	48/48.52	46/46.13	38/38.64
POLY-3 PERCENT (g)	100%	98.9%	99.7%	98.3%
TERMINAL (d)	36/36 (100%)	39/39 (100%)	33/33 (100%)	28/28 (100%)
FIRST INCIDENCE	445	358	472	385
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.541N	P=0.834N	P=1.000N	P=0.693N
POLY 1.5	P=0.385N	P=0.666N	P=0.963N	P=0.488N
POLY 6	P=0.800N	P=0.997N	P=1.000N	P=0.942N
COCH-ARM / FISHERS	P=0.013N*	P=0.521N	P=0.511N	P=0.050N*
MAX-ISO-POLY-3	P=0.202N	P=0.173N	P=0.165N	P=0.144N

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

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Follicle Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/45 (7%)	0/49 (0%)	2/47 (4%)	0/42 (0%)
POLY-3 RATE (b)	3/40.82	0/45.55	2/41.38	0/34.12
POLY-3 PERCENT (g)	7.4%	0%	4.8%	0%
TERMINAL (d)	3/36 (8%)	0/39 (0%)	2/33 (6%)	0/28 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.253N	P=0.100N	P=0.494N	P=0.153N
POLY 1.5	P=0.245N	P=0.101N	P=0.488N	P=0.149N
POLY 6	P=0.260N	P=0.098N	P=0.502N	P=0.157N
COCH-ARM / FISHERS	P=0.218N	P=0.106N	P=0.479N	P=0.134N
MAX-ISO-POLY-3	P=0.074N	P=0.034N*	P=0.318N	P=0.065N



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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Follicle Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/45 (18%)	17/49 (35%)	22/47 (47%)	35/42 (83%)
POLY-3 RATE (b)	8/40.82	17/47.61	22/42.69	35/39.23
POLY-3 PERCENT (g)	19.6%	35.7%	51.5%	89.2%
TERMINAL (d)	8/36 (22%)	11/39 (28%)	18/33 (55%)	25/28 (89%)
FIRST INCIDENCE	729 (T)	358	569	3
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.073	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.064	P=0.002**	P<0.001**
POLY 6	P<0.001**	P=0.086	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.052	P=0.003**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.054	P<0.001**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG

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Thyroid Gland: Follicular Cell  
Hyperplasia

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**LESION RATES**

OVERALL (a)	1/45 (2%)	5/49 (10%)	4/47 (9%)	6/42 (14%)
POLY-3 RATE (b)	1/40.82	5/45.71	4/41.52	6/34.48
POLY-3 PERCENT (g)	2.5%	10.9%	9.6%	17.4%
TERMINAL (d)	1/36 (3%)	4/39 (10%)	3/33 (9%)	5/28 (18%)
FIRST INCIDENCE	729 (T)	687	694	627

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**STATISTICAL TESTS**

POLY 3	P=0.061	P=0.129	P=0.183	P=0.032*
POLY 1.5	P=0.065	P=0.126	P=0.187	P=0.033*
POLY 6	P=0.057	P=0.132	P=0.178	P=0.030*
COCH-ARM / FISHERS	P=0.089	P=0.123	P=0.194	P=0.045*
MAX-ISO-POLY-3	P=0.036*	P=0.066	P=0.087	P=0.017*

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

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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>				
Hyperplasia Atypical				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/49 (2%)	2/50 (4%)	0/47 (0%)
POLY-3 RATE (b)	3/44.24	1/45.55	2/43.65	0/37.47
POLY-3 PERCENT (g)	6.8%	2.2%	4.6%	0%
TERMINAL (d)	1/37 (3%)	1/39 (3%)	2/33 (6%)	0/28 (0%)
FIRST INCIDENCE	508	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.183N	P=0.295N	P=0.506N	P=0.151N
POLY 1.5	P=0.174N	P=0.298N	P=0.498N	P=0.144N
POLY 6	P=0.195N	P=0.293N	P=0.519N	P=0.160N
COCH-ARM / FISHERS	P=0.151N	P=0.316N	P=0.500N	P=0.133N
MAX-ISO-POLY-3	P=0.104N	P=0.151N	P=0.330N	P=0.063N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
 CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
 Time Report Requested: 10:27:35  
 First Dose M/F: 08/26/08 / 08/26/08  
 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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 Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/50 (2%)	4/47 (9%)
POLY-3 RATE (b)	0/43.21	0/45.55	1/43.65	4/38.31
POLY-3 PERCENT (g)	0%	0%	2.3%	10.4%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	1/33 (3%)	3/28 (11%)
FIRST INCIDENCE	---	---	729 (T)	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.003**	(e)	P=0.502	P=0.046*
POLY 1.5	P=0.003**	(e)	P=0.504	P=0.047*
POLY 6	P=0.002**	(e)	P=0.499	P=0.043*
COCH-ARM / FISHERS	P=0.004**	(e)	P=0.500	P=0.051
MAX-ISO-POLY-3	P=0.005**	(e)	P=0.161	P=0.017*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Pentabromodiphenyl oxide (technical) (DE 71)  
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Date Report Requested: 08/12/2014  
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 Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Cervix Hyperplasia</b>				
<b>LESION 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	2/37.47
POLY-3 PERCENT (g)	0%	0%	0%	5.3%
TERMINAL (d)	0/37 (0%)	0/39 (0%)	0/33 (0%)	2/28 (7%)
FIRST INCIDENCE	---	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.031*	(e)	(e)	P=0.206
POLY 1.5	P=0.032*	(e)	(e)	P=0.211
POLY 6	P=0.029*	(e)	(e)	P=0.200
COCH-ARM / FISHERS	P=0.037*	(e)	(e)	P=0.232
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.072

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Pentabromodiphenyl oxide (technical) (DE 71)  
CAS Number: 32534-81-9

Date Report Requested: 08/12/2014  
Time Report Requested: 10:27:35  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS 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: Endometrium Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/50 (30%)	9/49 (18%)	17/50 (34%)	14/47 (30%)
POLY-3 RATE (b)	15/44.00	9/45.55	17/44.71	14/38.89
POLY-3 PERCENT (g)	34.1%	19.8%	38%	36%
TERMINAL (d)	13/37 (35%)	9/39 (23%)	12/33 (36%)	11/28 (39%)
FIRST INCIDENCE	585	729 (T)	614	396
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.211	P=0.096N	P=0.434	P=0.520
POLY 1.5	P=0.238	P=0.104N	P=0.441	P=0.539
POLY 6	P=0.179	P=0.092N	P=0.421	P=0.486
COCH-ARM / FISHERS	P=0.333	P=0.132N	P=0.415	P=0.579N
MAX-ISO-POLY-3	P=0.278	P=0.065N	P=0.349	P=0.429

Experiment Number: 20209 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

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

Pentabromodiphenyl oxide (technical) (DE 71)

CAS Number: 32534-81-9

Date Report Requested: 08/12/2014

Time Report Requested: 10:27:35

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.
  - (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 \*\*\*