

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

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
Adrenal Cortex				
Angiectasis				
LESION RATES				
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
STATISTICAL TESTS				
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**

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

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Bone Marrow: Myeloid Cell Hyperplasia				
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	---	---	---	---
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
Brain Compression				
LESION RATES				
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
STATISTICAL TESTS				
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
Epididymis Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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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**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

Eye: Retina
Atrophy

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

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

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Kidney				
Casts Protein				
<hr/>				
LESION RATES				
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/>				
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
Kidney Cyst				
LESION RATES				
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	---
STATISTICAL TESTS				
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
Kidney				
Hydronephrosis				
LESION RATES				
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
STATISTICAL TESTS				
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**

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

Kidney
Inflammation Chronic

LESION RATES

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

STATISTICAL TESTS

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

Experiment Number: 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
Kidney Nephropathy				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Kidney Pigmentation				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Kidney: Pelvis Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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
Kidney: Pelvis Mineralization				
LESION RATES				
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
STATISTICAL TESTS				
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
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

Kidney: Transitional Epithelium
Hyperplasia

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

STATISTICAL TESTS

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

Experiment Number: 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
Lacrimal Gland Karyomegaly				
LESION RATES				
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)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 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
Liver				
Angiectasis				
LESION RATES				
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)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Liver				
Basophilic Focus				
LESION RATES				
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
STATISTICAL TESTS				
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
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
<hr/>				
Liver Cholangiofibrosis				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Liver				
Clear Cell Focus				
LESION RATES				
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
STATISTICAL TESTS				
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
 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 Congestion				
LESION RATES				
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
STATISTICAL TESTS				
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)
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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				
Eosinophilic Focus				
LESION RATES				
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
STATISTICAL TESTS				
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
Liver				
Fatty Change				
LESION RATES				
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
STATISTICAL TESTS				
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
<hr/>				
Liver				
Hematopoietic Cell Proliferation				
<hr/>				
LESION RATES				
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	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Liver Hemorrhage				
LESION RATES				
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	---
STATISTICAL TESTS				
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
 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
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
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
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Liver				
Hyperplasia				
LESION RATES				
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	---
STATISTICAL TESTS				
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
Liver				
Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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)
 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
Liver				
Mixed Cell Focus				
LESION RATES				
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)
STATISTICAL TESTS				
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
 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
Liver Pigmentation				
LESION RATES				
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
STATISTICAL TESTS				
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
 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
Liver: Bile Duct Cyst				
LESION RATES				
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
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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

Liver: Bile Duct
Hyperplasia

LESION RATES

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

STATISTICAL TESTS

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
 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
Liver: Hepatocyte Hypertrophy				
LESION RATES				
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
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 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
Liver: Hepatocyte Necrosis				
LESION RATES				
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
STATISTICAL TESTS				
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
 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
Liver: Oval Cell Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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)
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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
Lung				
Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	24/49 (49%)	24/50 (48%)	32/50 (64%)	30/50 (60%)
POLY-3 RATE (b)	24/43.28	24/44.69	32/45.81	30/42.49
POLY-3 PERCENT (g)	55.5%	53.7%	69.9%	70.6%
TERMINAL (d)	22/36 (61%)	19/35 (54%)	26/38 (68%)	20/25 (80%)
FIRST INCIDENCE	574	301	553	310
STATISTICAL TESTS				
POLY 3	P=0.054	P=0.520N	P=0.111	P=0.098
POLY 1.5	P=0.091	P=0.523N	P=0.112	P=0.146
POLY 6	P=0.028*	P=0.506N	P=0.129	P=0.060
COCH-ARM / FISHERS	P=0.133	P=0.541N	P=0.096	P=0.184
MAX-ISO-POLY-3	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
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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
Lung Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
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
Lung Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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
Lung Mineralization				
LESION RATES				
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)	---
STATISTICAL TESTS				
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**

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Lung: Bronchus Hyperplasia Lymphoid				
LESION RATES				
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)
STATISTICAL TESTS				
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)
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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, Mandibular Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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)
 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
Lymph Node, Mandibular Hemorrhage				
LESION RATES				
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)
STATISTICAL TESTS				
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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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
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Lymph Node, Mesenteric Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Lymph Node, Mesenteric Pigmentation Hemosiderin				
LESION RATES				
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	---
STATISTICAL TESTS				
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

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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: Inguinal Pigmentation				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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 Ectasia				
LESION RATES				
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)
STATISTICAL TESTS				
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
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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 Hemorrhage

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

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

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)

STATISTICAL TESTS

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

Experiment Number: 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
Lymph Node: Popliteal Pigmentation				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Mammary Gland Fibrosis				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Mammary Gland				
Galactocele				
LESION RATES				
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)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Mammary Gland Hyperplasia				
LESION RATES				
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)	---
STATISTICAL TESTS				
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

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
Mammary Gland Pigmentation Hemosiderin				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Mammary Gland: Duct Dilatation				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Mesentery Hemorrhage				
LESION RATES				
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
STATISTICAL TESTS				
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
 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
Mesentery: Fat Necrosis				
LESION RATES				
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
STATISTICAL TESTS				
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
 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
Nose				
Fungus				
LESION RATES				
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)
STATISTICAL TESTS				
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

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
Nose				
Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Pancreas				
Atrophy				
<hr/>				
LESION RATES				
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
<hr/>				
STATISTICAL TESTS				
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
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	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Pancreas Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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
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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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
Pancreas				
Inflammation Chronic				
LESION RATES				
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)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
 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
Pancreas: Duct Cyst				
LESION RATES				
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)	---
STATISTICAL TESTS				
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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 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
Parathyroid Gland Cyst				
LESION RATES				
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)
STATISTICAL TESTS				
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
 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	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Parathyroid Gland Hyperplasia Focal				
LESION RATES				
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	---
STATISTICAL TESTS				
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

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
Pituitary Gland				
Pigmentation Hemosiderin				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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

Pituitary Gland: Pars Distalis
Cyst

LESION RATES

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

STATISTICAL TESTS

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

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

Pituitary Gland: Pars Distalis
Hyperplasia Focal

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

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

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
Pituitary Gland: Pars Intermedia Hyperplasia Focal				
LESION RATES				
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)	---
STATISTICAL TESTS				
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

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

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
Preputial Gland Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Preputial Gland: Duct Ectasia				
LESION RATES				
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
STATISTICAL TESTS				
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**

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
Prostate Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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*

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
Salivary Glands: Duct, Parotid Gland Cyst				
LESION RATES				
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)	---
STATISTICAL TESTS				
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)

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
Salivary Glands: Duct, Parotid Gland				
Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
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
 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
Salivary Glands: Parotid Gland Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Salivary Glands: Parotid Gland				
Vacuolization Cytoplasmic				
LESION RATES				
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
STATISTICAL TESTS				
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
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
Seminal Vesicle Inflammation Acute				
LESION RATES				
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)
STATISTICAL TESTS				
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
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
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
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)	---
STATISTICAL TESTS				
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
 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
Skin				
Hyperkeratosis				
LESION RATES				
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	---	---
STATISTICAL TESTS				
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
Skin				
Inflammation Acute				
LESION RATES				
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	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Skin				
Inflammation Chronic				
LESION RATES				
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	---	---
STATISTICAL TESTS				
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
Skin				
Ulcer				
LESION RATES				
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	---	---
STATISTICAL TESTS				
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

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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**

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

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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
Spleen Pigmentation				
LESION RATES				
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
STATISTICAL TESTS				
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
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Stomach, Forestomach Edema				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Stomach, Forestomach Hyperkeratosis				
LESION RATES				
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
STATISTICAL TESTS				
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*

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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
Stomach, Forestomach Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Stomach, Forestomach Mineralization				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

DOSE	Males			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Stomach, Forestomach Ulcer				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Stomach, Forestomach: Epithelium Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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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

Stomach, Glandular
Inflammation Acute

LESION RATES

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

STATISTICAL TESTS

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

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 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
Stomach, Glandular Mineralization				
LESION RATES				
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)
STATISTICAL TESTS				
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

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

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
Thymus Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Thymus				
Ectopic Parathyroid Gland				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Thymus Hemorrhage				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

Experiment Number: 20209 - 03
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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

Thyroid Gland: Follicle
Cyst

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	---	---	---	---

STATISTICAL TESTS

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

Experiment Number: 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
Thyroid Gland: Follicle Hypertrophy				
LESION RATES				
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
STATISTICAL TESTS				
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**

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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

Thyroid Gland: Follicular Cell
Hyperplasia

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

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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**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
Adrenal Cortex				
Angiectasis				
LESION RATES				
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
STATISTICAL TESTS				
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*

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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
Adrenal Cortex				
Hematopoietic Cell Proliferation				
LESION RATES				
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)
STATISTICAL TESTS				
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

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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
Adrenal Cortex				
Hyperplasia Focal				
LESION RATES				
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
STATISTICAL TESTS				
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**

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

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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
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Bone Marrow: Myeloid Cell Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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
 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
Brain Compression				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Clitoral Gland Inflammation Chronic				
LESION RATES				
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)
STATISTICAL TESTS				
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

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

Clitoral Gland: Duct
Cyst

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

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

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
Eye: Retina				
Atrophy				
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
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

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

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
Intestine Large, Rectum Inflammation Acute				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Kidney				
Casts Protein				
LESION RATES				
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)
STATISTICAL TESTS				
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)
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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
Kidney Cyst				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Kidney				
Hydronephrosis				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Kidney				
Inflammation Chronic				
LESION RATES				
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	---
STATISTICAL TESTS				
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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**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
Kidney				
Nephropathy				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Kidney Pigmentation				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Kidney: Pelvis Inflammation Chronic				
LESION RATES				
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)
STATISTICAL TESTS				
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
 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
Kidney: Pelvis Mineralization				
LESION RATES				
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
STATISTICAL TESTS				
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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 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
Kidney: Transitional Epithelium Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Lacrimal Gland Karyomegaly				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Liver				
Angiectasis				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Liver				
Basophilic Focus				
LESION RATES				
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
STATISTICAL TESTS				
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
Liver				
Cholangiofibrosis				
LESION RATES				
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
STATISTICAL TESTS				
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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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
Liver				
Clear Cell Focus				
LESION RATES				
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
STATISTICAL TESTS				
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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**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 Congestion				
LESION RATES				
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
STATISTICAL TESTS				
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
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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	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver				
Eosinophilic Focus				
LESION RATES				
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
STATISTICAL TESTS				
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
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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	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver				
Fatty Change				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
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)	---	---
STATISTICAL TESTS				
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
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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	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver Hemorrhage				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20209 - 03
 Test Type: CHRONIC
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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	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL (a)	4/50 (8%)	5/49 (10%)	0/50 (0%)	1/47 (2%)
POLY-3 RATE (b)	4/43.21	5/45.55	0/43.65	1/36.88
POLY-3 PERCENT (g)	9.3%	11%	0%	2.7%
TERMINAL (d)	4/37 (11%)	5/39 (13%)	0/33 (0%)	1/28 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.533	P=0.059N	P=0.230N
POLY 1.5	P=0.093N	P=0.521	P=0.058N	P=0.220N
POLY 6	P=0.102N	P=0.544	P=0.060N	P=0.242N
COCH-ARM / FISHERS	P=0.084N	P=0.487	P=0.059N	P=0.201N
MAX-ISO-POLY-3	P=0.097N	P=0.396	P=0.019N*	P=0.129N

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 Test Type: CHRONIC
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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
Liver				
Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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**

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Test Type: CHRONIC
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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	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Liver Inflammation Chronic				
LESION RATES				
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)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
<hr/>				
Liver				
Mixed Cell Focus				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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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 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 Pigmentation				
LESION RATES				
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	---
STATISTICAL TESTS				
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)
 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: Bile Duct Cyst				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Liver: Bile Duct Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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
Liver: Hepatocyte Hypertrophy				
LESION RATES				
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
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 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
Liver: Hepatocyte Necrosis				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Liver: Oval Cell Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Lung				
Infiltration Cellular Histiocyte				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Lung Inflammation Acute				
LESION RATES				
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)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Lung				
Inflammation Chronic				
LESION RATES				
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)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Lung Mineralization				
LESION RATES				
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)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
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	---
STATISTICAL TESTS				
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
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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
Lung: Bronchus Hyperplasia Lymphoid				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Lymph Node, Mandibular Ectasia				
LESION RATES				
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)
STATISTICAL TESTS				
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

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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
Lymph Node, Mandibular Hemorrhage				
LESION RATES				
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)	---	---	---
STATISTICAL TESTS				
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
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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
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Lymph Node, Mesenteric Ectasia				
LESION RATES				
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)
STATISTICAL TESTS				
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
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
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Lymph Node, Mesenteric Pigmentation Hemosiderin				
LESION RATES				
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	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Lymph Node: Inguinal Pigmentation				
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)	---
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

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

Lymph Node: Mediastinal
Ectasia

LESION RATES

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)	---

STATISTICAL TESTS

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

Experiment Number: 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
Lymph Node: Mediastinal Hemorrhage				
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
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

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
Lymph Node: Mediastinal Pigmentation Hemosiderin				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Lymph Node: Popliteal Pigmentation				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Mammary Gland Fibrosis				
LESION RATES				
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)	---
STATISTICAL TESTS				
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
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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
Mammary Gland Galactocele				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Mammary Gland Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Mammary Gland Pigmentation Hemosiderin				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Mammary Gland: Duct Dilatation				
LESION RATES				
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
STATISTICAL TESTS				
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
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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				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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: Fat Necrosis				
LESION RATES				
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
STATISTICAL TESTS				
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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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
<hr/>				
Nose				
Fungus				
<hr/>				
LESION RATES				
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/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Nose				
Inflammation Acute				
LESION RATES				
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
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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 Atrophy				
LESION RATES				
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)
STATISTICAL TESTS				
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)
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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
Ovary Cyst				
LESION RATES				
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
STATISTICAL TESTS				
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
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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
Ovary				
Hyperplasia Tubulostromal				
LESION RATES				
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)
STATISTICAL TESTS				
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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 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: Follicle Cyst				
LESION RATES				
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)
STATISTICAL TESTS				
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

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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
Pancreas Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Pancreas				
Hyperplasia				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Pancreas				
Inflammation Chronic				
LESION RATES				
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)	---
STATISTICAL TESTS				
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

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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
Pancreas: Duct Cyst				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Parathyroid Gland Cyst				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Parathyroid Gland Hyperplasia Focal				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Pituitary Gland Pigmentation Hemosiderin				
LESION RATES				
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	---
STATISTICAL TESTS				
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
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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 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)
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

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	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia Focal				
LESION RATES				
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)
STATISTICAL TESTS				
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
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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)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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

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)

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

Experiment Number: 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 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
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

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

Salivary Glands: Parotid Gland
Atrophy

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

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: Parotid Gland Vacuolization Cytoplasmic				
LESION RATES				
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
STATISTICAL TESTS				
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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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
Skin				
Cyst Epithelial Inclusion				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Skin				
Hyperkeratosis				
LESION RATES				
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)	---
STATISTICAL TESTS				
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)
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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				
Inflammation Acute				
LESION RATES				
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	---
STATISTICAL TESTS				
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)
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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	Females			
	0 MG/KG	3 MG/KG	15 MG/KG	50 MG/KG
Skin				
Inflammation Chronic				
LESION RATES				
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)
STATISTICAL TESTS				
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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 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
Skin Ulcer				
LESION RATES				
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)
STATISTICAL TESTS				
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
Skin: Epidermis Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Spleen Pigmentation				
LESION RATES				
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
STATISTICAL TESTS				
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
Spleen: Lymphoid Follicle Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Stomach, Forestomach Edema				
LESION RATES				
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	---
STATISTICAL TESTS				
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

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
Stomach, Forestomach Hyperkeratosis				
LESION RATES				
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
STATISTICAL TESTS				
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
 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
Stomach, Forestomach Inflammation Acute				
LESION RATES				
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	---
STATISTICAL TESTS				
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
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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
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
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
STATISTICAL TESTS				
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)
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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
Stomach, Forestomach Mineralization				
LESION RATES				
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
STATISTICAL TESTS				
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
Stomach, Forestomach Ulcer				
LESION RATES				
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
STATISTICAL TESTS				
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
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

Stomach, Forestomach: Epithelium
Hyperplasia

LESION RATES

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

STATISTICAL TESTS

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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 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
Stomach, Glandular Inflammation Acute				
LESION RATES				
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	---
STATISTICAL TESTS				
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)
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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
Stomach, Glandular Mineralization				
LESION RATES				
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)
STATISTICAL TESTS				
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
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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 Atrophy				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Thymus				
Ectopic Parathyroid Gland				
LESION RATES				
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	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 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
Thymus Hemorrhage				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Thyroid Gland: C-Cell Hyperplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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
Thyroid Gland: Follicle Cyst				
LESION RATES				
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)	---
STATISTICAL TESTS				
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
 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
Thyroid Gland: Follicle Hypertrophy				
LESION RATES				
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
STATISTICAL TESTS				
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
Pentabromodiphenyl oxide (technical) (DE 71)
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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

Thyroid Gland: Follicular Cell
Hyperplasia

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

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*

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
Uterus				
Hyperplasia Atypical				
LESION RATES				
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)	---
STATISTICAL TESTS				
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

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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
Uterus Metaplasia				
LESION RATES				
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
STATISTICAL TESTS				
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

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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
Uterus: Cervix Hyperplasia				
LESION RATES				
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)
STATISTICAL TESTS				
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
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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
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
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
STATISTICAL TESTS				
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)

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***