

**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:** 08/05/2014  
**Time Report Requested:** 10:16:02  
**First Dose M/F:** 08/26/08 / 08/26/08  
**Lab:** SRI

F\_14 Wk. SSAC\_RE

<b>NTP Study Number:</b>	C20209		
<b>Lock Date:</b>	08/31/2011		
<b>Cage Range:</b>	ALL		
<b>Date Range:</b>	ALL		
<b>Reasons For Removal:</b>	25017 SSAC		
<b>Removal Date Range:</b>	ALL		
<b>Treatment Groups:</b>	Include 001 0 MG/KG Include 008 50 MG/KG	Include 002 0 MG/KG	Include 007 50 MG/KG
<b>Study Gender:</b>	Both		
<b>TDMSE Version:</b>	3.0.2.1_001		
<b>PWG Approval Date:</b>	NONE		

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

**MALE RATS**

**Organ**

Liver

Liver: Hepatocyte

Thyroid Gland: Follicle

**FEMALE RATS**

**Organ**

Liver

Liver: Hepatocyte

Thyroid Gland: Follicle

**Morphology**

Fatty Change

Hypertrophy

Hypertrophy

**Morphology**

Fatty Change

Hypertrophy

Hypertrophy

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

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**Males**

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DOSE	0 MG/KG	50 MG/KG
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Adrenal Cortex  
Accessory Adrenal Cortical Nodule

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**LESION RATES**

OVERALL (a)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	1/10.00	2/10.00
POLY-3 PERCENT (g)	10%	20%
INT SACRIFICE 1	1/10 (10%)	2/10 (20%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.274

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Adrenal Cortex  
Vacuolization Cytoplasmic

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**LESION RATES**

OVERALL (a)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	1/10.00
POLY-3 PERCENT (g)	10%	10%
INT SACRIFICE 1	1/10 (10%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.760
POLY 1.5	P=0.760
POLY 6	P=0.760
COCH-ARM / FISHERS	P=0.763N
MAX-ISO-POLY-3	P=1.000

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Adrenal Medulla  
Vacuolization Cytoplasmic

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**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Heart  
Cardiomyopathy

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**LESION RATES**

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	---

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**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Kidney  
Casts Protein

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**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

---

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Kidney  
Hydronephrosis

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**LESION RATES**

OVERALL (a)	1/10 (10%)	3/10 (30%)
POLY-3 RATE (b)	1/10.00	3/10.00
POLY-3 PERCENT (g)	10%	30%
INT SACRIFICE 1	1/10 (10%)	3/10 (30%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.292
POLY 1.5	P=0.292
POLY 6	P=0.292
COCH-ARM / FISHERS	P=0.291
MAX-ISO-POLY-3	P=0.136

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Kidney  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	---

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**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Kidney: Renal Tubule  
Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

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LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Liver  
Fatty Change

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**LESION RATES**

OVERALL (a)	2/10 (20%)	8/10 (80%)
POLY-3 RATE (b)	2/10.00	8/10.00
POLY-3 PERCENT (g)	20%	80%
INT SACRIFICE 1	2/10 (20%)	8/10 (80%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.004**
POLY 1.5	P=0.004**
POLY 6	P=0.004**
COCH-ARM / FISHERS	P=0.012*
MAX-ISO-POLY-3	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Liver: Hepatocyte  
Hypertrophy

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**LESION RATES**

OVERALL (a)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
INT SACRIFICE 1	0/10 (0%)	10/10 (100%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (l)

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**STATISTICAL TESTS**

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Lung  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	2/10 (20%)	4/10 (40%)
POLY-3 RATE (b)	2/10.00	4/10.00
POLY-3 PERCENT (g)	20%	40%
INT SACRIFICE 1	2/10 (20%)	4/10 (40%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.318
POLY 1.5	P=0.318
POLY 6	P=0.318
COCH-ARM / FISHERS	P=0.314
MAX-ISO-POLY-3	P=0.172

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Species/Strain: RATS/Wistar Han

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

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Males		
DOSE	0 MG/KG	50 MG/KG
<b>Lung</b>		
<b>Metaplasia Osseous</b>		
<b>LESION RATES</b>		
OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)
<b>STATISTICAL TESTS</b>		
POLY 3		P=0.500
POLY 1.5		P=0.500
POLY 6		P=0.500
COCH-ARM / FISHERS		P=0.500
MAX-ISO-POLY-3		P=0.158

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LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Lung: Alveolus  
Infiltration Cellular Histiocyte

**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

---

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LAST REMOVAL AT 14 WEEKS**

**Males**

---

DOSE	0 MG/KG	50 MG/KG
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---

Lymph Node  
Pigmentation

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**LESION RATES**

OVERALL (a)	0/1 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/1.00	1/1.00
POLY-3 PERCENT (g)	0%	100%
INT SACRIFICE 1	0/1 (0%)	1/1 (100%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (l)

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**STATISTICAL TESTS**

POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	(e)

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LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Lymph Node, Mandibular  
Hyperplasia Lymphoid

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**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

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**STATISTICAL TESTS**

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

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LAST REMOVAL AT 14 WEEKS**

---

**Males**

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<b>DOSE</b>	<b>0 MG/KG</b>	<b>50 MG/KG</b>
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**Lymph Node: Popliteal  
Pigmentation**

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**LESION RATES**

<b>OVERALL (a)</b>	0/1 (0%)	0/1 (0%)
<b>POLY-3 RATE (b)</b>	0/1.00	0/1.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>INT SACRIFICE 1</b>	0/1 (0%)	0/1 (0%)
<b>TERMINAL (d)</b>	0/0 (0%)	0/0 (0%)
<b>FIRST INCIDENCE</b>	---	---

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**STATISTICAL TESTS**

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

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LAST REMOVAL AT 14 WEEKS**

**Males**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Mesentery  
Fibrosis Focal

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**LESION RATES**

OVERALL (a)	0/0 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/0.00	1/1.00
POLY-3 PERCENT (g)	0%	100%
INT SACRIFICE 1	0/0 (0%)	1/1 (100%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (l)

---

**STATISTICAL TESTS**

POLY 3	(e)
POLY 1.5	(e)
POLY 6	(e)
COCH-ARM / FISHERS	(e)
MAX-ISO-POLY-3	(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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Pancreas  
Atrophy

---

**LESION RATES**

OVERALL (a)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	1/10.00	2/10.00
POLY-3 PERCENT (g)	10%	20%
INT SACRIFICE 1	1/10 (10%)	2/10 (20%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.274

---

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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Preputial Gland  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	9/10 (90%)	8/10 (80%)
POLY-3 RATE (b)	9/10.00	8/10.00
POLY-3 PERCENT (g)	90%	80%
INT SACRIFICE 1	9/10 (90%)	8/10 (80%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.274N

---

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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Prostate  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	2/10 (20%)	3/10 (30%)
POLY-3 RATE (b)	2/10.00	3/10.00
POLY-3 PERCENT (g)	20%	30%
INT SACRIFICE 1	2/10 (20%)	3/10 (30%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.310

---

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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 MG/KG</b>	<b>50 MG/KG</b>
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---

Spleen  
Hematopoietic Cell Proliferation

---

**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>INT SACRIFICE 1</b>	0/10 (0%)	0/10 (0%)
<b>TERMINAL (d)</b>	0/0 (0%)	0/0 (0%)
<b>FIRST INCIDENCE</b>	---	---

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**STATISTICAL TESTS**

<b>POLY 3</b>	(n)
<b>POLY 1.5</b>	(n)
<b>POLY 6</b>	(n)
<b>COCH-ARM / FISHERS</b>	(n)
<b>MAX-ISO-POLY-3</b>	(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: 08/05/2014  
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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)  
LAST REMOVAL AT 14 WEEKS**

---

**Males**

---

<b>DOSE</b>	<b>0 MG/KG</b>	<b>50 MG/KG</b>
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---

Spleen  
Pigmentation

---

**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>INT SACRIFICE 1</b>	0/10 (0%)	0/10 (0%)
<b>TERMINAL (d)</b>	0/0 (0%)	0/0 (0%)
<b>FIRST INCIDENCE</b>	---	---

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**STATISTICAL TESTS**

<b>POLY 3</b>	(n)
<b>POLY 1.5</b>	(n)
<b>POLY 6</b>	(n)
<b>COCH-ARM / FISHERS</b>	(n)
<b>MAX-ISO-POLY-3</b>	(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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Males**

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DOSE	0 MG/KG	50 MG/KG
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Thyroid Gland: Follicle  
Hypertrophy

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**LESION RATES**

OVERALL (a)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	4/10.00
POLY-3 PERCENT (g)	0%	40%
INT SACRIFICE 1	0/10 (0%)	4/10 (40%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.033*
POLY 1.5	P=0.033*
POLY 6	P=0.033*
COCH-ARM / FISHERS	P=0.043*
MAX-ISO-POLY-3	P=0.007**

---

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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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DOSE	0 MG/KG	50 MG/KG
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Adrenal Cortex  
Accessory Adrenal Cortical Nodule

---

**LESION RATES**

OVERALL (a)	3/10 (30%)	2/10 (20%)
POLY-3 RATE (b)	3/10.00	2/10.00
POLY-3 PERCENT (g)	30%	20%
INT SACRIFICE 1	3/10 (30%)	2/10 (20%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	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)  
CAS Number: 32534-81-9

Date Report Requested: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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DOSE	0 MG/KG	50 MG/KG
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Adrenal Cortex  
Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Adrenal Medulla  
Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	0/9 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/9 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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DOSE	0 MG/KG	50 MG/KG
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---

Clitoral Gland  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	7/10 (70%)	7/10 (70%)
POLY-3 RATE (b)	7/10.00	7/10.00
POLY-3 PERCENT (g)	70%	70%
INT SACRIFICE 1	7/10 (70%)	7/10 (70%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

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**STATISTICAL TESTS**

POLY 3	P=0.678
POLY 1.5	P=0.678
POLY 6	P=0.678
COCH-ARM / FISHERS	P=0.686N
MAX-ISO-POLY-3	P=1.000

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

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

Date Report Requested: 08/05/2014  
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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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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<b>DOSE</b>	<b>0 MG/KG</b>	<b>50 MG/KG</b>
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Heart  
Cardiomyopathy

---

**LESION RATES**

<b>OVERALL (a)</b>	0/10 (0%)	0/10 (0%)
<b>POLY-3 RATE (b)</b>	0/10.00	0/10.00
<b>POLY-3 PERCENT (g)</b>	0%	0%
<b>INT SACRIFICE 1</b>	0/10 (0%)	0/10 (0%)
<b>TERMINAL (d)</b>	0/0 (0%)	0/0 (0%)
<b>FIRST INCIDENCE</b>	---	---

---

**STATISTICAL TESTS**

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

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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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Kidney  
Casts Protein

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 08/05/2014  
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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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Kidney  
Hydronephrosis

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 08/05/2014  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Kidney  
Inflammation Chronic

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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: 08/05/2014  
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Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Kidney: Renal Tubule  
Vacuolization Cytoplasmic

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

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

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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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Liver  
Fatty Change

---

**LESION RATES**

OVERALL (a)	0/9 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/9.00	3/10.00
POLY-3 PERCENT (g)	0%	30%
INT SACRIFICE 1	0/9 (0%)	3/10 (30%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.114
POLY 1.5	P=0.114
POLY 6	P=0.114
COCH-ARM / FISHERS	P=0.124
MAX-ISO-POLY-3	P=0.035*

---

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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Liver: Hepatocyte  
Hypertrophy

---

**LESION RATES**

OVERALL (a)	0/9 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/9.00	10/10.00
POLY-3 PERCENT (g)	0%	100%
INT SACRIFICE 1	0/9 (0%)	10/10 (100%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (l)

---

**STATISTICAL TESTS**

POLY 3	P<0.001**
POLY 1.5	P<0.001**
POLY 6	P<0.001**
COCH-ARM / FISHERS	P<0.001**
MAX-ISO-POLY-3	(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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Lung  
Inflammation Chronic

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**LESION RATES**

OVERALL (a)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	2/10.00
POLY-3 PERCENT (g)	0%	20%
INT SACRIFICE 1	0/10 (0%)	2/10 (20%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.227
POLY 1.5	P=0.227
POLY 6	P=0.227
COCH-ARM / FISHERS	P=0.237
MAX-ISO-POLY-3	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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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DOSE	0 MG/KG	50 MG/KG
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---

Lung  
Metaplasia Osseous

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

---

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: 08/05/2014  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

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Lung: Alveolus  
Infiltration Cellular Histiocyte

**LESION RATES**

OVERALL (a)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/10 (0%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

POLY 3	(n)
POLY 1.5	(n)
POLY 6	(n)
COCH-ARM / FISHERS	(n)
MAX-ISO-POLY-3	(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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Lymph Node  
Pigmentation

---

**LESION RATES**

OVERALL (a)	1/2 (50%)	0/2 (0%)
POLY-3 RATE (b)	1/2.00	0/2.00
POLY-3 PERCENT (g)	50%	0%
INT SACRIFICE 1	1/2 (50%)	0/2 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	---

---

**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

---



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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Lymph Node, Mandibular  
Hyperplasia Lymphoid

---

**LESION RATES**

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	---

---

**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

---

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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Lymph Node: Popliteal  
Pigmentation

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**LESION RATES**

OVERALL (a)	0/2 (0%)	2/2 (100%)
POLY-3 RATE (b)	0/2.00	2/2.00
POLY-3 PERCENT (g)	0%	100%
INT SACRIFICE 1	0/2 (0%)	2/2 (100%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (l)

---

**STATISTICAL TESTS**

POLY 3	P=0.167
POLY 1.5	P=0.167
POLY 6	P=0.167
COCH-ARM / FISHERS	P=0.167
MAX-ISO-POLY-3	(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: 08/05/2014  
Time Report Requested: 10:16:02  
First Dose M/F: 08/26/08 / 08/26/08  
Lab: SRI

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

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DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Mesentery  
Fibrosis Focal

---

**LESION RATES**

OVERALL (a)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%
INT SACRIFICE 1	0/0 (0%)	0/0 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---

---

**STATISTICAL TESTS**

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Pancreas  
Atrophy

---

**LESION RATES**

OVERALL (a)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/10.00
POLY-3 PERCENT (g)	10%	0%
INT SACRIFICE 1	1/10 (10%)	0/10 (0%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	---

---

**STATISTICAL TESTS**

POLY 3	P=0.500N
POLY 1.5	P=0.500N
POLY 6	P=0.500N
COCH-ARM / FISHERS	P=0.500N
MAX-ISO-POLY-3	P=0.158N

---

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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Spleen  
Hematopoietic Cell Proliferation

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (l)

---

**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

---

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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Spleen  
Pigmentation

---

**LESION RATES**

OVERALL (a)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	10%
INT SACRIFICE 1	0/10 (0%)	1/10 (10%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	92 (l)

---

**STATISTICAL TESTS**

POLY 3	P=0.500
POLY 1.5	P=0.500
POLY 6	P=0.500
COCH-ARM / FISHERS	P=0.500
MAX-ISO-POLY-3	P=0.158

---

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)  
LAST REMOVAL AT 14 WEEKS**

**Females**

---

DOSE	0 MG/KG	50 MG/KG
------	---------	----------

---

Thyroid Gland: Follicle  
Hypertrophy

---

**LESION RATES**

OVERALL (a)	1/10 (10%)	5/10 (50%)
POLY-3 RATE (b)	1/10.00	5/10.00
POLY-3 PERCENT (g)	10%	50%
INT SACRIFICE 1	1/10 (10%)	5/10 (50%)
TERMINAL (d)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	92 (I)	92 (I)

---

**STATISTICAL TESTS**

POLY 3	P=0.061
POLY 1.5	P=0.061
POLY 6	P=0.061
COCH-ARM / FISHERS	P=0.070
MAX-ISO-POLY-3	P=0.020*

---

**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:** 08/05/2014  
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**First Dose M/F:** 08/26/08 / 08/26/08  
**Lab:** SRI

## **LEGEND**

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

\*\*\* END OF REPORT \*\*\*