

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Tetrabromobisphenol A

CAS Number: 79-94-7

Date Report Requested: 05/06/2013

Time Report Requested: 17:17:23

First Dose M/F: 07/25/07 / 07/26/07

Lab: BAT

Custom Report - Uterine Residual Sections

NTP Study Number:	C20320		
Lock Date:	03/24/2011		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC 25018 DACC	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include 002 0 mg/kg Include 008 1000 mg/kg	Include 004 250 mg/kg	Include 006 500 mg/kg
Study Gender:	Both		
TDMSE Version:	2.5.0.0_custom		
PWG Approval Date:	01/08/2013		

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF TETRABROMOBISPHENOL A

FEMALE RATS

Organ

Uterus (Original Sections)

Uterus, Cervix (Original or Residual Sections)

Uterus, Cervix (Residual Sections)

Uterus, Endometrium (Original Sections)

Uterus, Endometrium (Original or Residual Sections)

Uterus, Endometrium (Residual Sections)

Morphology

Adenomyosis

Hyperplasia Stromal

Inflammation

Inflammation

Hyperplasia Cystic

Hyperplasia Atypical

Hyperplasia Cystic

Hyperplasia Atypical

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original Sections)				
Adenomyosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/37.96	2/42.00
POLY-3 PERCENT (g)	0%	0%	0%	4.8%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	684
STATISTICAL TESTS				
POLY 3	P=0.044*	(e)	(e)	P=0.233
POLY 1.5	P=0.044*	(e)	(e)	P=0.235
POLY 6	P=0.043*	(e)	(e)	P=0.229
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.076

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Residual Sections)				
Adenomyosis				
LESION RATES				
OVERALL (a)	2/45 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/38.67	1/43.79	1/38.66	0/41.83
POLY-3 PERCENT (g)	5.2%	2.3%	2.6%	0%
TERMINAL (d)	2/30 (7%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	652	642	---
STATISTICAL TESTS				
POLY 3	P=0.145N	P=0.457N	P=0.500N	P=0.219N
POLY 1.5	P=0.143N	P=0.459N	P=0.487N	P=0.217N
POLY 6	P=0.148N	P=0.455N	P=0.512N	P=0.222N
COCH-ARM / FISHERS	P=0.137N	P=0.460N	P=0.460N	P=0.222N
MAX-ISO-POLY-3	P=0.107N	P=0.252N	P=0.285N	P=0.070N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original or Residual Sections)				
Adenomyosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/42.80	1/43.79	1/38.66	2/42.00
POLY-3 PERCENT (g)	4.7%	2.3%	2.6%	4.8%
TERMINAL (d)	2/34 (6%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	652	642	684
STATISTICAL TESTS				
POLY 3	P=0.541	P=0.492N	P=0.535N	P=0.688
POLY 1.5	P=0.546	P=0.494N	P=0.523N	P=0.690
POLY 6	P=0.535	P=0.492N	P=0.549N	P=0.683
COCH-ARM / FISHERS	P=0.556	P=0.500N	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.553	P=0.276N	P=0.319N	P=0.492

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original Sections)				
Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.80	0/43.51	0/37.96	1/41.83
POLY-3 PERCENT (g)	2.3%	0%	0%	2.4%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	---	---	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.586	P=0.497N	P=0.524N	P=0.756
POLY 1.5	P=0.588	P=0.497N	P=0.517N	P=0.758
POLY 6	P=0.583	P=0.498N	P=0.532N	P=0.752
COCH-ARM / FISHERS	P=0.594	P=0.500N	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.409	P=0.158N	P=0.186N	P=0.493

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original or Residual Sections)				
Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/42.80	0/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	2.3%	0%	0%	2.4%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	---	---	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.586	P=0.497N	P=0.522N	P=0.756
POLY 1.5	P=0.589	P=0.497N	P=0.514N	P=0.758
POLY 6	P=0.583	P=0.498N	P=0.531N	P=0.752
COCH-ARM / FISHERS	P=0.595	P=0.500N	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.408	P=0.158N	P=0.185N	P=0.493

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original Sections) Dilatation				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	3/49 (6%)	2/50 (4%)
POLY-3 RATE (b)	1/42.80	4/44.06	3/39.76	2/42.51
POLY-3 PERCENT (g)	2.3%	9.1%	7.6%	4.7%
TERMINAL (d)	1/34 (3%)	2/34 (6%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	583	450	501
STATISTICAL TESTS				
POLY 3	P=0.534	P=0.187	P=0.279	P=0.498
POLY 1.5	P=0.538	P=0.185	P=0.285	P=0.499
POLY 6	P=0.526	P=0.188	P=0.273	P=0.494
COCH-ARM / FISHERS	P=0.542	P=0.181	P=0.301	P=0.500
MAX-ISO-POLY-3	P=0.283	P=0.092	P=0.143	P=0.279

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TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Residual Sections)				
Dilatation				
<hr/>				
LESION RATES				
OVERALL (a)	1/45 (2%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/38.67	2/43.51	3/40.05	1/42.51
POLY-3 PERCENT (g)	2.6%	4.6%	7.5%	2.4%
TERMINAL (d)	1/30 (3%)	2/34 (6%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	450	501
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STATISTICAL TESTS				
POLY 3	P=0.554N	P=0.541	P=0.317	P=0.740N
POLY 1.5	P=0.551N	P=0.540	P=0.325	P=0.739N
POLY 6	P=0.558N	P=0.541	P=0.310	P=0.742N
COCH-ARM / FISHERS	P=0.545N	P=0.540	P=0.349	P=0.726N
MAX-ISO-POLY-3	P=0.462N	P=0.320	P=0.164	P=0.473N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original or Residual Sections)				
Dilatation				
LESION RATES				
OVERALL (a)	2/50 (4%)	6/50 (12%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	2/42.80	6/44.06	4/40.47	2/42.51
POLY-3 PERCENT (g)	4.7%	13.6%	9.9%	4.7%
TERMINAL (d)	2/34 (6%)	4/34 (12%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	728 (T)	583	450	501
STATISTICAL TESTS				
POLY 3	P=0.399N	P=0.141	P=0.311	P=0.692
POLY 1.5	P=0.395N	P=0.139	P=0.319	P=0.693
POLY 6	P=0.408N	P=0.142	P=0.303	P=0.688
COCH-ARM / FISHERS	P=0.389N	P=0.134	P=0.339	P=0.691N
MAX-ISO-POLY-3	P=0.342	P=0.077	P=0.187	P=0.496

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original Sections)				
Hyperplasia Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	1/37.96	0/41.83
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	728 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.689	(e)	P=0.476	(e)
POLY 1.5	P=0.691	(e)	P=0.483	(e)
POLY 6	P=0.685	(e)	P=0.468	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.495	(e)
MAX-ISO-POLY-3	P=0.371	(e)	P=0.157	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original or Residual Sections)				
Hyperplasia Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.80	0/43.51	1/38.34	0/41.83
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	1/29 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	728 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.690	(e)	P=0.478	(e)
POLY 1.5	P=0.692	(e)	P=0.486	(e)
POLY 6	P=0.687	(e)	P=0.469	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.372	(e)	P=0.158	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original Sections)				
Inflammation				
LESION RATES				
OVERALL (a)	7/50 (14%)	3/50 (6%)	2/49 (4%)	3/50 (6%)
POLY-3 RATE (b)	7/42.87	3/44.08	2/37.96	3/42.76
POLY-3 PERCENT (g)	16.3%	6.8%	5.3%	7%
TERMINAL (d)	5/34 (15%)	2/34 (6%)	2/29 (7%)	1/33 (3%)
FIRST INCIDENCE	713	548	728 (T)	442
STATISTICAL TESTS				
POLY 3	P=0.137N	P=0.145N	P=0.110N	P=0.157N
POLY 1.5	P=0.134N	P=0.149N	P=0.100N	P=0.157N
POLY 6	P=0.141N	P=0.144N	P=0.122N	P=0.160N
COCH-ARM / FISHERS	P=0.130N	P=0.159N	P=0.085N	P=0.159N
MAX-ISO-POLY-3	P=0.075N	P=0.084N	P=0.066N	P=0.090N

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Residual Sections)				
Inflammation				
LESION RATES				
OVERALL (a)	8/45 (18%)	10/50 (20%)	8/50 (16%)	11/50 (22%)
POLY-3 RATE (b)	8/38.93	10/44.35	8/39.69	11/42.94
POLY-3 PERCENT (g)	20.6%	22.6%	20.2%	25.6%
TERMINAL (d)	6/30 (20%)	8/34 (24%)	5/29 (17%)	8/33 (24%)
FIRST INCIDENCE	662	548	321	442
STATISTICAL TESTS				
POLY 3	P=0.347	P=0.518	P=0.593N	P=0.390
POLY 1.5	P=0.356	P=0.510	P=0.566N	P=0.393
POLY 6	P=0.334	P=0.523	P=0.600	P=0.382
COCH-ARM / FISHERS	P=0.374	P=0.496	P=0.516N	P=0.400
MAX-ISO-POLY-3	P=0.471	P=0.414	P=0.482N	P=0.298

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

Uterus (Original or Residual Sections)
Inflammation

LESION RATES

OVERALL (a)	11/50 (22%)	10/50 (20%)	9/50 (18%)	11/50 (22%)
POLY-3 RATE (b)	11/43.11	10/44.35	9/39.69	11/42.94
POLY-3 PERCENT (g)	25.5%	22.6%	22.7%	25.6%
TERMINAL (d)	8/34 (24%)	8/34 (24%)	6/29 (21%)	8/33 (24%)
FIRST INCIDENCE	662	548	321	442

STATISTICAL TESTS

POLY 3	P=0.510	P=0.470N	P=0.482N	P=0.593
POLY 1.5	P=0.520	P=0.479N	P=0.450N	P=0.595
POLY 6	P=0.493	P=0.471N	P=0.521N	P=0.581
COCH-ARM / FISHERS	P=0.535	P=0.500N	P=0.402N	P=0.595N
MAX-ISO-POLY-3	P=0.640	P=0.373N	P=0.384N	P=0.495

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original Sections)				
Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/37.96	1/42.41
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	545
STATISTICAL TESTS				
POLY 3	P=0.197	(e)	(e)	P=0.498
POLY 1.5	P=0.198	(e)	(e)	P=0.499
POLY 6	P=0.196	(e)	(e)	P=0.496
COCH-ARM / FISHERS	P=0.199	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.124	(e)	(e)	P=0.158

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus (Original or Residual Sections)				
Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	1/42.41
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	545
STATISTICAL TESTS				
POLY 3	P=0.197	(e)	(e)	P=0.498
POLY 1.5	P=0.197	(e)	(e)	P=0.499
POLY 6	P=0.195	(e)	(e)	P=0.496
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.124	(e)	(e)	P=0.158

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Residual Sections)				
Aggregates, granular cell				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.67	0/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.195	(e)	(e)	P=0.496
POLY 1.5	P=0.197	(e)	(e)	P=0.499
POLY 6	P=0.193	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.200	(e)	(e)	P=0.505
MAX-ISO-POLY-3	P=0.124	(e)	(e)	P=0.160

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
Time Report Requested: 17:17:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Original or Residual Sections) Aggregates, granular cell				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.67	0/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.195	(e)	(e)	P=0.496
POLY 1.5	P=0.197	(e)	(e)	P=0.499
POLY 6	P=0.193	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.200	(e)	(e)	P=0.505
MAX-ISO-POLY-3	P=0.124	(e)	(e)	P=0.160

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
Time Report Requested: 17:17:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Original Sections)				
Hyperplasia Stromal				
LESION RATES				
OVERALL (a)	0/0 (0%)	1/2 (50%)	4/5 (80%)	2/2 (100%)
POLY-3 RATE (b)	0/0.00	1/1.73	4/5.00	2/2.00
POLY-3 PERCENT (g)	0%	57.8%	80%	100%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	3/4 (75%)	1/1 (100%)
FIRST INCIDENCE	---	728 (T)	529	688
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.365	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Residual Sections)				
Hyperplasia Stromal				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.67	2/43.91	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/34 (0%)	1/34 (3%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	614	---	---
STATISTICAL TESTS				
POLY 3	P=0.416N	P=0.243	(e)	(e)
POLY 1.5	P=0.410N	P=0.243	(e)	(e)
POLY 6	P=0.424N	P=0.243	(e)	(e)
COCH-ARM / FISHERS	P=0.402N	P=0.253	(e)	(e)
MAX-ISO-POLY-3	P=0.266N	P=0.081	(e)	(e)

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Original or Residual Sections)				
Hyperplasia Stromal				
LESION RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	0/42.67	2/43.91	4/38.96	2/41.99
POLY-3 PERCENT (g)	0%	4.6%	10.3%	4.8%
TERMINAL (d)	0/34 (0%)	1/34 (3%)	3/29 (10%)	1/33 (3%)
FIRST INCIDENCE	---	614	529	688
STATISTICAL TESTS				
POLY 3	P=0.216	P=0.243	P=0.049*	P=0.233
POLY 1.5	P=0.223	P=0.243	P=0.054	P=0.236
POLY 6	P=0.208	P=0.243	P=0.045*	P=0.229
COCH-ARM / FISHERS	P=0.237	P=0.253	P=0.061	P=0.253
MAX-ISO-POLY-3	P=0.086	P=0.081	P=0.019*	P=0.077

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Residual Sections)				
Hyperplasia, squamous cell				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.67	1/43.78	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	656	---	---
STATISTICAL TESTS				
POLY 3	P=0.575N	P=0.505	(e)	(e)
POLY 1.5	P=0.571N	P=0.505	(e)	(e)
POLY 6	P=0.581N	P=0.505	(e)	(e)
COCH-ARM / FISHERS	P=0.565N	P=0.505	(e)	(e)
MAX-ISO-POLY-3	P=0.399N	P=0.164	(e)	(e)

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
Time Report Requested: 17:17:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Original or Residual Sections) Hyperplasia, squamous cell				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.67	1/43.78	0/38.34	0/41.83
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	656	---	---
STATISTICAL TESTS				
POLY 3	P=0.575N	P=0.505	(e)	(e)
POLY 1.5	P=0.571N	P=0.505	(e)	(e)
POLY 6	P=0.581N	P=0.505	(e)	(e)
COCH-ARM / FISHERS	P=0.565N	P=0.505	(e)	(e)
MAX-ISO-POLY-3	P=0.399N	P=0.164	(e)	(e)

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Residual Sections)				
Hypertrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.67	0/43.51	2/38.34	1/42.00
POLY-3 PERCENT (g)	2.3%	0%	5.2%	2.4%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	2/29 (7%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	---	728 (T)	684
STATISTICAL TESTS				
POLY 3	P=0.491	P=0.496N	P=0.463	P=0.757
POLY 1.5	P=0.496	P=0.496N	P=0.479	P=0.760
POLY 6	P=0.487	P=0.498N	P=0.446	P=0.754
COCH-ARM / FISHERS	P=0.505	P=0.495N	P=0.508	P=0.747N
MAX-ISO-POLY-3	P=0.358	P=0.157N	P=0.261	P=0.495

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Original or Residual Sections)				
Hypertrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/42.67	0/43.51	2/38.34	1/42.00
POLY-3 PERCENT (g)	2.3%	0%	5.2%	2.4%
TERMINAL (d)	1/34 (3%)	0/34 (0%)	2/29 (7%)	0/33 (0%)
FIRST INCIDENCE	728 (T)	---	728 (T)	684
STATISTICAL TESTS				
POLY 3	P=0.491	P=0.496N	P=0.463	P=0.757
POLY 1.5	P=0.496	P=0.496N	P=0.479	P=0.760
POLY 6	P=0.487	P=0.498N	P=0.446	P=0.754
COCH-ARM / FISHERS	P=0.505	P=0.495N	P=0.508	P=0.747N
MAX-ISO-POLY-3	P=0.358	P=0.157N	P=0.261	P=0.495

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Residual Sections) Inflammation				
LESION RATES				
OVERALL (a)	2/49 (4%)	5/50 (10%)	9/50 (18%)	7/50 (14%)
POLY-3 RATE (b)	2/43.68	5/43.51	9/40.07	7/43.11
POLY-3 PERCENT (g)	4.6%	11.5%	22.5%	16.2%
TERMINAL (d)	0/34 (0%)	5/34 (15%)	6/29 (21%)	3/33 (9%)
FIRST INCIDENCE	546	728 (T)	377	545
STATISTICAL TESTS				
POLY 3	P=0.061	P=0.214	P=0.016*	P=0.075
POLY 1.5	P=0.065	P=0.219	P=0.020*	P=0.078
POLY 6	P=0.058	P=0.205	P=0.013*	P=0.071
COCH-ARM / FISHERS	P=0.076	P=0.226	P=0.028*	P=0.085
MAX-ISO-POLY-3	P=0.033*	P=0.119	P=0.009**	P=0.038*

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Cervix (Original or Residual Sections)				
Inflammation				
LESION RATES				
OVERALL (a)	2/49 (4%)	5/50 (10%)	9/50 (18%)	7/50 (14%)
POLY-3 RATE (b)	2/43.68	5/43.51	9/40.07	7/43.11
POLY-3 PERCENT (g)	4.6%	11.5%	22.5%	16.2%
TERMINAL (d)	0/34 (0%)	5/34 (15%)	6/29 (21%)	3/33 (9%)
FIRST INCIDENCE	546	728 (T)	377	545
STATISTICAL TESTS				
POLY 3	P=0.061	P=0.214	P=0.016*	P=0.075
POLY 1.5	P=0.065	P=0.219	P=0.020*	P=0.078
POLY 6	P=0.058	P=0.205	P=0.013*	P=0.071
COCH-ARM / FISHERS	P=0.076	P=0.226	P=0.028*	P=0.085
MAX-ISO-POLY-3	P=0.033*	P=0.119	P=0.009**	P=0.038*

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Endometrium (Original Sections)				
Hyperplasia Adenomatous				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/37.96	1/41.83
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.195	(e)	(e)	P=0.495
POLY 1.5	P=0.197	(e)	(e)	P=0.497
POLY 6	P=0.193	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.199	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.124	(e)	(e)	P=0.158

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
Time Report Requested: 17:17:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg

Uterus, Endometrium (Original or Residual Sections)
Hyperplasia Adenomatous

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.80	0/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	728 (T)

STATISTICAL TESTS

POLY 3	P=0.195	(e)	(e)	P=0.495
POLY 1.5	P=0.196	(e)	(e)	P=0.497
POLY 6	P=0.193	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.123	(e)	(e)	P=0.158

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Endometrium (Residual Sections)				
Hyperplasia Atypical				
LESION RATES				
OVERALL (a)	2/45 (4%)	13/50 (26%)	11/50 (22%)	13/50 (26%)
POLY-3 RATE (b)	2/38.67	13/44.77	11/41.12	13/42.91
POLY-3 PERCENT (g)	5.2%	29%	26.8%	30.3%
TERMINAL (d)	2/30 (7%)	10/34 (29%)	6/29 (21%)	9/33 (27%)
FIRST INCIDENCE	728 (T)	355	321	614
STATISTICAL TESTS				
POLY 3	P=0.019*	P=0.004**	P=0.009**	P=0.003**
POLY 1.5	P=0.020*	P=0.004**	P=0.010**	P=0.003**
POLY 6	P=0.018*	P=0.004**	P=0.008**	P=0.003**
COCH-ARM / FISHERS	P=0.026*	P=0.004**	P=0.012*	P=0.004**
MAX-ISO-POLY-3	P=0.006**	P=0.002**	P=0.003**	P<0.001**

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Endometrium (Original or Residual Sections)				
Hyperplasia Atypical				
LESION RATES				
OVERALL (a)	2/50 (4%)	13/50 (26%)	11/50 (22%)	13/50 (26%)
POLY-3 RATE (b)	2/42.80	13/44.77	11/41.12	13/42.91
POLY-3 PERCENT (g)	4.7%	29%	26.8%	30.3%
TERMINAL (d)	2/34 (6%)	10/34 (29%)	6/29 (21%)	9/33 (27%)
FIRST INCIDENCE	728 (T)	355	321	614
STATISTICAL TESTS				
POLY 3	P=0.012*	P=0.002**	P=0.005**	P<0.001**
POLY 1.5	P=0.012*	P=0.002**	P=0.006**	P=0.002**
POLY 6	P=0.011*	P=0.002**	P=0.004**	P<0.001**
COCH-ARM / FISHERS	P=0.016*	P=0.002**	P=0.007**	P=0.002**
MAX-ISO-POLY-3	P=0.003**	P<0.001**	P=0.002**	P<0.001**

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
Time Report Requested: 17:17:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Endometrium (Original Sections)				
Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	8/50 (16%)	13/50 (26%)	11/49 (22%)	18/50 (36%)
POLY-3 RATE (b)	8/43.23	13/44.65	11/40.58	18/44.53
POLY-3 PERCENT (g)	18.5%	29.1%	27.1%	40.4%
TERMINAL (d)	6/34 (18%)	9/34 (27%)	6/29 (21%)	11/33 (33%)
FIRST INCIDENCE	604	548	321	442
STATISTICAL TESTS				
POLY 3	P=0.019*	P=0.179	P=0.248	P=0.019*
POLY 1.5	P=0.019*	P=0.174	P=0.261	P=0.018*
POLY 6	P=0.020*	P=0.180	P=0.236	P=0.021*
COCH-ARM / FISHERS	P=0.020*	P=0.163	P=0.288	P=0.020*
MAX-ISO-POLY-3	P=0.017*	P=0.125	P=0.180	P=0.011*

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
Time Report Requested: 17:17:23
First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Endometrium (Residual Sections)				
Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	23/45 (51%)	30/50 (60%)	28/50 (56%)	31/50 (62%)
POLY-3 RATE (b)	23/41.08	30/46.04	28/43.91	31/45.63
POLY-3 PERCENT (g)	56%	65.2%	63.8%	67.9%
TERMINAL (d)	14/30 (47%)	21/34 (62%)	17/29 (59%)	21/33 (64%)
FIRST INCIDENCE	545	548	310	442
STATISTICAL TESTS				
POLY 3	P=0.181	P=0.253	P=0.301	P=0.173
POLY 1.5	P=0.188	P=0.254	P=0.335	P=0.176
POLY 6	P=0.173	P=0.248	P=0.262	P=0.169
COCH-ARM / FISHERS	P=0.216	P=0.253	P=0.393	P=0.194
MAX-ISO-POLY-3	P=0.199	P=0.195	P=0.230	P=0.128

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Endometrium (Original or Residual Sections)				
Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	24/50 (48%)	31/50 (62%)	30/50 (60%)	32/50 (64%)
POLY-3 RATE (b)	24/45.20	31/46.04	30/44.24	32/45.63
POLY-3 PERCENT (g)	53.1%	67.3%	67.8%	70.1%
TERMINAL (d)	15/34 (44%)	22/34 (65%)	18/29 (62%)	22/33 (67%)
FIRST INCIDENCE	545	548	310	442
STATISTICAL TESTS				
POLY 3	P=0.078	P=0.115	P=0.108	P=0.068
POLY 1.5	P=0.083	P=0.115	P=0.124	P=0.069
POLY 6	P=0.073	P=0.110	P=0.090	P=0.065
COCH-ARM / FISHERS	P=0.099	P=0.114	P=0.158	P=0.079
MAX-ISO-POLY-3	P=0.063	P=0.080	P=0.074	P=0.044*

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Glands (Residual Sections)				
Hyperplasia				
LESION RATES				
OVERALL (a)	0/45 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/38.67	2/44.13	0/38.34	2/42.25
POLY-3 PERCENT (g)	0%	4.5%	0%	4.7%
TERMINAL (d)	0/30 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	636	---	607
STATISTICAL TESTS				
POLY 3	P=0.257	P=0.267	(e)	P=0.257
POLY 1.5	P=0.260	P=0.265	(e)	P=0.258
POLY 6	P=0.253	P=0.269	(e)	P=0.255
COCH-ARM / FISHERS	P=0.266	P=0.274	(e)	P=0.274
MAX-ISO-POLY-3	P=0.136	P=0.099	(e)	P=0.089

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus, Glands (Original or Residual Sections)				
Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.80	2/44.13	0/38.34	2/42.25
POLY-3 PERCENT (g)	0%	4.5%	0%	4.7%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	636	---	607
STATISTICAL TESTS				
POLY 3	P=0.239	P=0.244	(e)	P=0.234
POLY 1.5	P=0.242	P=0.242	(e)	P=0.235
POLY 6	P=0.234	P=0.245	(e)	P=0.231
COCH-ARM / FISHERS	P=0.247	P=0.247	(e)	P=0.247
MAX-ISO-POLY-3	P=0.120	P=0.082	(e)	P=0.076

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Residual Sections)				
Aggregates, granular cell				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.67	0/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.195	(e)	(e)	P=0.496
POLY 1.5	P=0.197	(e)	(e)	P=0.499
POLY 6	P=0.193	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.200	(e)	(e)	P=0.505
MAX-ISO-POLY-3	P=0.124	(e)	(e)	P=0.160

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Original or Residual Sections)				
Aggregates, granular cell				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.67	0/43.51	0/38.34	1/41.83
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.195	(e)	(e)	P=0.496
POLY 1.5	P=0.197	(e)	(e)	P=0.499
POLY 6	P=0.193	(e)	(e)	P=0.492
COCH-ARM / FISHERS	P=0.200	(e)	(e)	P=0.505
MAX-ISO-POLY-3	P=0.124	(e)	(e)	P=0.160

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
 Time Report Requested: 17:17:23
 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Original Sections)				
Cyst				
LESION RATES				
OVERALL (a)	0/1 (0%)	0/1 (0%)	1/1 (100%)	0/1 (0%)
POLY-3 RATE (b)	0/0.42	0/1.00	1/1.00	0/0.42
POLY-3 PERCENT (g)	0%	0%	100%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	450	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.721	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Original or Residual Sections)				
Cyst				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.67	0/43.51	1/39.11	0/41.83
POLY-3 PERCENT (g)	0%	0%	2.6%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	450	---
STATISTICAL TESTS				
POLY 3	P=0.687	(e)	P=0.483	(e)
POLY 1.5	P=0.690	(e)	P=0.490	(e)
POLY 6	P=0.682	(e)	P=0.474	(e)
COCH-ARM / FISHERS	P=0.697	(e)	P=0.505	(e)
MAX-ISO-POLY-3	P=0.376	(e)	P=0.160	(e)

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Residual Sections) Inflammation				
LESION RATES				
OVERALL (a)	11/49 (22%)	7/50 (14%)	13/50 (26%)	7/50 (14%)
POLY-3 RATE (b)	11/44.83	7/44.37	13/42.26	7/41.83
POLY-3 PERCENT (g)	24.5%	15.8%	30.8%	16.7%
TERMINAL (d)	7/34 (21%)	5/34 (15%)	6/29 (21%)	7/33 (21%)
FIRST INCIDENCE	464	548	377	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.358N	P=0.221N	P=0.341	P=0.265N
POLY 1.5	P=0.326N	P=0.213N	P=0.369	P=0.239N
POLY 6	P=0.399N	P=0.234N	P=0.316	P=0.299N
COCH-ARM / FISHERS	P=0.278N	P=0.204N	P=0.430	P=0.204N
MAX-ISO-POLY-3	P=0.319N	P=0.153N	P=0.265	P=0.195N

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
 CAS Number: 79-94-7

Date Report Requested: 05/06/2013
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 First Dose M/F: 07/25/07 / 07/26/07
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Original or Residual Sections)				
Inflammation				
LESION RATES				
OVERALL (a)	11/49 (22%)	7/50 (14%)	13/50 (26%)	7/50 (14%)
POLY-3 RATE (b)	11/44.83	7/44.37	13/42.26	7/41.83
POLY-3 PERCENT (g)	24.5%	15.8%	30.8%	16.7%
TERMINAL (d)	7/34 (21%)	5/34 (15%)	6/29 (21%)	7/33 (21%)
FIRST INCIDENCE	464	548	377	728 (T)
STATISTICAL TESTS				
POLY 3	P=0.358N	P=0.221N	P=0.341	P=0.265N
POLY 1.5	P=0.326N	P=0.213N	P=0.369	P=0.239N
POLY 6	P=0.399N	P=0.234N	P=0.316	P=0.299N
COCH-ARM / FISHERS	P=0.278N	P=0.204N	P=0.430	P=0.204N
MAX-ISO-POLY-3	P=0.319N	P=0.153N	P=0.265	P=0.195N

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Original Sections)				
Necrosis				
<hr/>				
LESION RATES				
OVERALL (a)	1/1 (100%)	0/1 (0%)	0/1 (0%)	0/1 (0%)
POLY-3 RATE (b)	1/1.00	0/1.00	0/0.24	0/0.42
POLY-3 PERCENT (g)	100%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	545	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.279N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

Experiment Number: 20320 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Tetrabromobisphenol A
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(Wistar Han)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Females			
	0 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Vagina (Original or Residual Sections)				
Necrosis				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.25	0/43.51	0/38.34	0/41.83
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/34 (0%)	0/29 (0%)	0/33 (0%)
FIRST INCIDENCE	545	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.306N	P=0.499N	P=0.524N	P=0.507N
POLY 1.5	P=0.305N	P=0.497N	P=0.514N	P=0.503N
POLY 6	P=0.306N	P=0.502N	P=0.535N	P=0.512N
COCH-ARM / FISHERS	P=0.303N	P=0.495N	P=0.495N	P=0.495N
MAX-ISO-POLY-3	P=0.136N	P=0.158N	P=0.189N	P=0.168N

Experiment Number: 20320 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Tetrabromobisphenol A
CAS Number: 79-94-7

Date Report Requested: 05/06/2013
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First Dose M/F: 07/25/07 / 07/26/07
Lab: BAT

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 ***