

**TDMS No.** 20011 - 05

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/F 344/N

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

1-Bromopropane

**CAS Number:** 106-94-5

**Date Report Requested:** 09/02/2009

**Time Report Requested:** 08:48:03

**First Dose M/F:** 07/14/03 / 07/14/03

**Lab:** BNW

Custom Report - Inflammation Only

**C Number:** C20011  
**Lock Date:** 06/15/2006  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.1.0

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF 1-BROMOPROPANE**

**MALE RATS**

**Organ**

Bone  
Harderian Gland  
Kidney: Pelvis  
Larynx  
Lung  
  
Nose  
  
Preputial Gland  
Salivary Glands  
Skin  
All Organs

**Morphology**

Inflammation Chronic Suppurative  
Inflammation Chronic Suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Suppurative  
Inflammation Chronic Suppurative

**FEMALE RATS**

**Organ**

Larynx  
  
Lung  
  
Nose  
  
Trachea  
All Organs

**Morphology**

Inflammation Chronic Non-suppurative  
Inflammation Chronic Suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Suppurative  
Inflammation Chronic Non-suppurative  
Inflammation Chronic Suppurative

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<hr/>				
<b>Bone</b>				
<b>Inflammation Chronic Suppurative</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.44	0/40.69	0/37.74	2/36.62
POLY-3 PERCENT (g)	0%	0%	0%	5.5%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	0/13 (0%)
FIRST INCIDENCE	---	---	---	484
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040*	(e)	(e)	P=0.210
POLY 1.5	P=0.042*	(e)	(e)	P=0.221
POLY 6	P=0.037*	(e)	(e)	P=0.196
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.075

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Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Coagulating Gland Inflammation Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/3 (67%)	0/0 (0%)	0/1 (0%)	0/2 (0%)
POLY-3 RATE (b)	2/3.00	0/0.00	0/1.00	0/0.98
POLY-3 PERCENT (g)	66.7%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	635	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	P=0.500N	P=0.506N
POLY 1.5	(e)	(e)	P=0.500N	P=0.422N
POLY 6	(e)	(e)	P=0.500N	P=0.583N
COCH-ARM / FISHERS	P=0.130N	(e)	P=0.500N	P=0.300N
MAX-ISO-POLY-3	(e)	(e)	P=0.207N	P=0.254N

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Eye</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/49 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/41.24	0/40.61	1/37.74	2/36.95
POLY-3 PERCENT (g)	0%	0%	2.7%	5.4%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	1/18 (6%)	0/13 (0%)
FIRST INCIDENCE	---	---	729 (T)	422
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.059	(e)	P=0.482	P=0.213
POLY 1.5	P=0.064	(e)	P=0.491	P=0.225
POLY 6	P=0.052	(e)	P=0.471	P=0.199
COCH-ARM / FISHERS	P=0.072	(e)	P=0.505	P=0.253
MAX-ISO-POLY-3	P=0.078	(e)	P=0.159	P=0.076

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<hr/>				
Harderian Gland Inflammation Chronic Suppurative				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/41.44	0/40.69	0/37.74	2/36.64
POLY-3 PERCENT (g)	0%	0%	0%	5.5%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	0/13 (0%)
FIRST INCIDENCE	---	---	---	453
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040*	(e)	(e)	P=0.210
POLY 1.5	P=0.042*	(e)	(e)	P=0.221
POLY 6	P=0.037*	(e)	(e)	P=0.196
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	P=0.075

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Kidney: Pelvis</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/41.44	0/40.69	0/37.74	2/35.17
POLY-3 PERCENT (g)	0%	0%	0%	5.7%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	1/13 (8%)
FIRST INCIDENCE	---	---	---	701
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.038*	(e)	(e)	P=0.202
POLY 1.5	P=0.040*	(e)	(e)	P=0.214
POLY 6	P=0.035*	(e)	(e)	P=0.187
COCH-ARM / FISHERS	P=0.045*	(e)	(e)	P=0.242
MAX-ISO-POLY-3	P=0.031*	(e)	(e)	P=0.074

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Larynx</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	21/50 (42%)	28/50 (56%)	31/50 (62%)	26/50 (52%)
POLY-3 RATE (b)	21/44.09	28/45.59	31/45.51	26/44.38
POLY-3 PERCENT (g)	47.6%	61.4%	68.1%	58.6%
TERMINAL (d)	11/23 (48%)	13/26 (50%)	9/18 (50%)	6/13 (46%)
FIRST INCIDENCE	501	560	488	394

<b>STATISTICAL TESTS</b>				
POLY 3	P=0.211	P=0.127	P=0.032*	P=0.198
POLY 1.5	P=0.220	P=0.115	P=0.031*	P=0.202
POLY 6	P=0.201	P=0.164	P=0.042*	P=0.198
COCH-ARM / FISHERS	P=0.236	P=0.115	P=0.036*	P=0.212
MAX-ISO-POLY-3	P=0.093	P=0.091	P=0.021*	P=0.143



**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Larynx</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/41.44	0/40.69	0/37.74	1/36.34
POLY-3 PERCENT (g)	0%	0%	0%	2.8%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	0/13 (0%)
FIRST INCIDENCE	---	---	---	562
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.183	(e)	(e)	P=0.474
POLY 1.5	P=0.189	(e)	(e)	P=0.485
POLY 6	P=0.174	(e)	(e)	P=0.460
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.123	(e)	(e)	P=0.158

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Lung</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	5/43.25	0/40.69	0/37.74	3/37.56
POLY-3 PERCENT (g)	11.6%	0%	0%	8%
TERMINAL (d)	1/23 (4%)	0/26 (0%)	0/18 (0%)	0/13 (0%)
FIRST INCIDENCE	501	---	---	449
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.409N	P=0.035N*	P=0.043N*	P=0.436N
POLY 1.5	P=0.404N	P=0.034N*	P=0.037N*	P=0.402N
POLY 6	P=0.420N	P=0.037N*	P=0.052N	P=0.482N
COCH-ARM / FISHERS	P=0.404N	P=0.028N*	P=0.028N*	P=0.357N
MAX-ISO-POLY-3	P=0.061N	P=0.013N*	P=0.020N*	P=0.309N

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Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

---

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<hr/>				
Lung				
Inflammation Chronic Suppurative				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/41.44	0/40.69	1/38.21	3/37.91
POLY-3 PERCENT (g)	0%	0%	2.6%	7.9%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	0/13 (0%)
FIRST INCIDENCE	---	---	590	422
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.016*	(e)	P=0.484	P=0.103
POLY 1.5	P=0.018*	(e)	P=0.491	P=0.109
POLY 6	P=0.014*	(e)	P=0.475	P=0.094
COCH-ARM / FISHERS	P=0.020*	(e)	P=0.500	P=0.121
MAX-ISO-POLY-3	P=0.023*	(e)	P=0.158	P=0.037*

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Nose</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	29/50 (58%)	33/48 (69%)	34/48 (71%)	35/50 (70%)
POLY-3 RATE (b)	29/44.85	33/43.76	34/42.57	35/46.90
POLY-3 PERCENT (g)	64.7%	75.4%	79.9%	74.6%
TERMINAL (d)	16/23 (70%)	20/26 (77%)	15/18 (83%)	7/13 (54%)
FIRST INCIDENCE	501	505	488	394
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.196	P=0.175	P=0.071	P=0.196
POLY 1.5	P=0.170	P=0.179	P=0.093	P=0.170
POLY 6	P=0.256	P=0.183	P=0.053	P=0.249
COCH-ARM / FISHERS	P=0.153	P=0.186	P=0.132	P=0.149
MAX-ISO-POLY-3	P=0.120	P=0.119	P=0.044*	P=0.142

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Nose</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/48 (2%)	2/48 (4%)	7/50 (14%)
POLY-3 RATE (b)	0/41.44	1/39.73	2/37.52	7/37.47
POLY-3 PERCENT (g)	0%	2.5%	5.3%	18.7%
TERMINAL (d)	0/23 (0%)	1/26 (4%)	1/18 (6%)	2/13 (15%)
FIRST INCIDENCE	---	729 (T)	418	484
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.492	P=0.215	P=0.004**
POLY 1.5	P<0.001**	P=0.492	P=0.221	P=0.006**
POLY 6	P<0.001**	P=0.493	P=0.207	P=0.003**
COCH-ARM / FISHERS	P<0.001**	P=0.490	P=0.237	P=0.006**
MAX-ISO-POLY-3	P<0.001**	P=0.156	P=0.073	P=0.002**

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Oral Mucosa</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/3 (33%)	0/0 (0%)	0/2 (0%)	2/4 (50%)
POLY-3 RATE (b)	1/2.77	0/0.00	0/2.00	2/3.52
POLY-3 PERCENT (g)	36.1%	0%	0%	56.8%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/2 (0%)	1/1 (100%)
FIRST INCIDENCE	724	---	---	666
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	P=0.564N	P=0.602
POLY 1.5	(e)	(e)	P=0.570N	P=0.607
POLY 6	(e)	(e)	P=0.552N	P=0.593
COCH-ARM / FISHERS	P=0.446	(e)	P=0.600N	P=0.629
MAX-ISO-POLY-3	(e)	(e)	P=0.217N	P=0.328

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Preputial Gland</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	30/50 (60%)	33/50 (66%)	31/49 (63%)	37/50 (74%)
POLY-3 RATE (b)	30/45.82	33/43.95	31/41.43	37/44.04
POLY-3 PERCENT (g)	65.5%	75.1%	74.8%	84%
TERMINAL (d)	15/23 (65%)	23/26 (89%)	16/18 (89%)	12/13 (92%)
FIRST INCIDENCE	582	505	514	453
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.021*	P=0.207	P=0.220	P=0.026*
POLY 1.5	P=0.042*	P=0.261	P=0.319	P=0.045*
POLY 6	P=0.009**	P=0.143	P=0.114	P=0.014*
COCH-ARM / FISHERS	P=0.096	P=0.339	P=0.449	P=0.101
MAX-ISO-POLY-3	P=0.020*	P=0.148	P=0.164	P=0.015*

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Prostate Inflammation Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	38/50 (76%)	42/50 (84%)	40/50 (80%)	36/50 (72%)
POLY-3 RATE (b)	38/46.21	42/47.70	40/45.55	36/44.26
POLY-3 PERCENT (g)	82.2%	88%	87.8%	81.3%
TERMINAL (d)	20/23 (87%)	22/26 (85%)	16/18 (89%)	11/13 (85%)
FIRST INCIDENCE	534	505	514	394
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.429N	P=0.293	P=0.303	P=0.572N
POLY 1.5	P=0.333N	P=0.247	P=0.342	P=0.496N
POLY 6	P=0.562	P=0.397	P=0.281	P=0.608
COCH-ARM / FISHERS	P=0.244N	P=0.227	P=0.405	P=0.410N
MAX-ISO-POLY-3	P=0.400N	P=0.199	P=0.201	P=0.450N



TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

Time Report Requested: 08:48:03

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Salivary Glands</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/41.44	1/41.36	3/38.44	2/37.06
POLY-3 PERCENT (g)	0%	2.4%	7.8%	5.4%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	1/18 (6%)	0/13 (0%)
FIRST INCIDENCE	---	505	603	449
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.125	P=0.500	P=0.105	P=0.213
POLY 1.5	P=0.140	P=0.499	P=0.111	P=0.223
POLY 6	P=0.106	P=0.502	P=0.098	P=0.200
COCH-ARM / FISHERS	P=0.163	P=0.500	P=0.121	P=0.247
MAX-ISO-POLY-3	P=0.116	P=0.158	P=0.037*	P=0.075

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Seminal Vesicle Inflammation Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/49 (2%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/41.80	1/40.13	0/36.86	2/35.98
POLY-3 PERCENT (g)	4.8%	2.5%	0%	5.6%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	1/13 (8%)
FIRST INCIDENCE	635	711	---	682
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.555	P=0.514N	P=0.266N	P=0.639
POLY 1.5	P=0.571	P=0.513N	P=0.255N	P=0.663
POLY 6	P=0.533	P=0.513N	P=0.280N	P=0.608
COCH-ARM / FISHERS	P=0.592	P=0.508N	P=0.253N	P=0.691N
MAX-ISO-POLY-3	P=0.393	P=0.295N	P=0.102N	P=0.442

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<hr/>				
Skin				
Inflammation Chronic Non-suppurative				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	1/41.44	3/41.17	3/38.85	4/37.47
POLY-3 PERCENT (g)	2.4%	7.3%	7.7%	10.7%
TERMINAL (d)	1/23 (4%)	1/26 (4%)	1/18 (6%)	0/13 (0%)
FIRST INCIDENCE	729 (T)	611	534	453
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.123	P=0.302	P=0.281	P=0.148
POLY 1.5	P=0.138	P=0.302	P=0.292	P=0.160
POLY 6	P=0.106	P=0.307	P=0.269	P=0.134
COCH-ARM / FISHERS	P=0.160	P=0.309	P=0.309	P=0.181
MAX-ISO-POLY-3	P=0.135	P=0.152	P=0.145	P=0.075

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TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Skin</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	10/50 (20%)
POLY-3 RATE (b)	0/41.44	1/40.69	2/38.55	10/39.34
POLY-3 PERCENT (g)	0%	2.5%	5.2%	25.4%
TERMINAL (d)	0/23 (0%)	1/26 (4%)	1/18 (6%)	1/13 (8%)
FIRST INCIDENCE	---	729 (T)	418	422
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.496	P=0.221	P<0.001**
POLY 1.5	P<0.001**	P=0.497	P=0.228	P<0.001**
POLY 6	P<0.001**	P=0.497	P=0.211	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.247	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P=0.075	P<0.001**

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Spleen</b>				
<b>Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/41.44	0/40.69	0/37.29	0/35.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	0/13 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Trachea</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	1/41.70	1/40.76	1/37.89	4/38.63
POLY-3 PERCENT (g)	2.4%	2.5%	2.6%	10.4%
TERMINAL (d)	0/23 (0%)	0/26 (0%)	0/18 (0%)	0/13 (0%)
FIRST INCIDENCE	660	711	690	394
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.057	P=0.756	P=0.739	P=0.155
POLY 1.5	P=0.062	P=0.757	P=0.749	P=0.165
POLY 6	P=0.051	P=0.757	P=0.727	P=0.140
COCH-ARM / FISHERS	P=0.067	P=0.753N	P=0.753N	P=0.181
MAX-ISO-POLY-3	P=0.071	P=0.493	P=0.473	P=0.077

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>All Organs</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	4/50 (8%)	17/50 (34%)
POLY-3 RATE (b)	0/41.44	3/40.69	4/39.02	17/41.19
POLY-3 PERCENT (g)	0%	7.4%	10.3%	41.3%
TERMINAL (d)	0/23 (0%)	3/26 (12%)	2/18 (11%)	3/13 (23%)
FIRST INCIDENCE	---	729 (T)	418	422
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.115	P=0.052	P<0.001**
POLY 1.5	P<0.001**	P=0.116	P=0.056	P<0.001**
POLY 6	P<0.001**	P=0.115	P=0.047*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.121	P=0.059	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.037*	P=0.019*	P<0.001**

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>All Organs</b>				
<b>Inflammation Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	38/50 (76%)	42/50 (84%)	40/50 (80%)	37/50 (74%)
POLY-3 RATE (b)	38/46.21	42/47.70	40/45.55	37/44.44
POLY-3 PERCENT (g)	82.2%	88%	87.8%	83.3%
TERMINAL (d)	20/23 (87%)	22/26 (85%)	16/18 (89%)	11/13 (85%)
FIRST INCIDENCE	534	505	514	394
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.548N	P=0.293	P=0.303	P=0.567
POLY 1.5	P=0.441N	P=0.247	P=0.342	P=0.598N
POLY 6	P=0.448	P=0.397	P=0.281	P=0.503
COCH-ARM / FISHERS	P=0.331N	P=0.227	P=0.405	P=0.500N
MAX-ISO-POLY-3	P=0.432	P=0.199	P=0.201	P=0.442



**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Bone</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.31	0/43.77	0/42.47	1/37.64
POLY-3 PERCENT (g)	0%	0%	0%	2.7%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	0/30 (0%)	1/24 (4%)
FIRST INCIDENCE	---	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.177	(e)	(e)	P=0.463
POLY 1.5	P=0.184	(e)	(e)	P=0.475
POLY 6	P=0.171	(e)	(e)	P=0.450
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.078	(e)	(e)	P=0.158

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

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Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Clitoral Gland</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	22/49 (45%)	26/50 (52%)	26/49 (53%)	18/49 (37%)
POLY-3 RATE (b)	22/44.43	26/44.20	26/42.20	18/38.28
POLY-3 PERCENT (g)	49.5%	58.8%	61.6%	47%
TERMINAL (d)	21/33 (64%)	22/33 (67%)	22/30 (73%)	16/24 (67%)
FIRST INCIDENCE	701	687	680	142
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.428N	P=0.246	P=0.170	P=0.498N
POLY 1.5	P=0.326N	P=0.270	P=0.210	P=0.411N
POLY 6	P=0.527	P=0.226	P=0.133	P=0.589
COCH-ARM / FISHERS	P=0.175N	P=0.307	P=0.272	P=0.269N
MAX-ISO-POLY-3	P=0.201N	P=0.184	P=0.125	P=0.412N

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Species/Strain: RATS/F 344/N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<hr/>				
Coagulating Gland Inflammation Suppurative				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

---

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Test Type: CHRONIC

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Species/Strain: RATS/F 344/N

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Eye</b>				
Inflammation Chronic Non-suppurative				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.31	0/43.77	0/42.47	0/37.64
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Harderian Gland</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
<b>POLY-3 RATE (b)</b>	0/45.31	0/43.77	0/42.47	1/37.64
<b>POLY-3 PERCENT (g)</b>	0%	0%	0%	2.7%
<b>TERMINAL (d)</b>	0/34 (0%)	0/33 (0%)	0/30 (0%)	1/24 (4%)
<b>FIRST INCIDENCE</b>	---	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.177	(e)	(e)	P=0.463
<b>POLY 1.5</b>	P=0.184	(e)	(e)	P=0.475
<b>POLY 6</b>	P=0.171	(e)	(e)	P=0.450
<b>COCH-ARM / FISHERS</b>	P=0.198	(e)	(e)	P=0.500
<b>MAX-ISO-POLY-3</b>	P=0.078	(e)	(e)	P=0.158

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Kidney: Pelvis</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.45	0/43.77	1/42.47	0/37.64
POLY-3 PERCENT (g)	0%	0%	2.4%	0%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	---	---	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.619	(e)	P=0.491	(e)
POLY 1.5	P=0.644	(e)	P=0.496	(e)
POLY 6	P=0.590	(e)	P=0.484	(e)
COCH-ARM / FISHERS	P=0.697	(e)	P=0.505	(e)
MAX-ISO-POLY-3	P=0.253	(e)	P=0.159	(e)

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Larynx</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	18/50 (36%)	25/50 (50%)	30/50 (60%)	32/50 (64%)
POLY-3 RATE (b)	18/46.35	25/45.82	30/44.92	32/44.93
POLY-3 PERCENT (g)	38.8%	54.6%	66.8%	71.2%
TERMINAL (d)	15/34 (44%)	18/33 (55%)	22/30 (73%)	16/24 (67%)
FIRST INCIDENCE	493	433	541	386
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.091	P=0.005**	P<0.001**
POLY 1.5	P<0.001**	P=0.099	P=0.007**	P<0.001**
POLY 6	P<0.001**	P=0.084	P=0.003**	P<0.001**
COCH-ARM / FISHERS	P=0.003**	P=0.113	P=0.014*	P=0.004**
MAX-ISO-POLY-3	P<0.001**	P=0.061	P=0.002**	P<0.001**

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

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Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Larynx</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/45.31	0/43.77	0/42.47	3/38.19
POLY-3 PERCENT (g)	0%	0%	0%	7.9%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	0/30 (0%)	1/24 (4%)
FIRST INCIDENCE	---	---	---	578
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.009**	(e)	(e)	P=0.091
POLY 1.5	P=0.010**	(e)	(e)	P=0.099
POLY 6	P=0.009**	(e)	(e)	P=0.083
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.006**	(e)	(e)	P=0.037*



TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

Time Report Requested: 08:48:03

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Lung</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	10/50 (20%)	12/50 (24%)	2/50 (4%)
POLY-3 RATE (b)	6/45.31	10/44.30	12/42.89	2/37.64
POLY-3 PERCENT (g)	13.2%	22.6%	28%	5.3%
TERMINAL (d)	6/34 (18%)	7/33 (21%)	9/30 (30%)	2/24 (8%)
FIRST INCIDENCE	730 (T)	632	680	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.227N	P=0.189	P=0.071	P=0.201N
POLY 1.5	P=0.177N	P=0.196	P=0.080	P=0.177N
POLY 6	P=0.291N	P=0.185	P=0.061	P=0.229N
COCH-ARM / FISHERS	P=0.102N	P=0.207	P=0.096	P=0.134N
MAX-ISO-POLY-3	P=0.042N*	P=0.126	P=0.045*	P=0.132N

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Lung</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/45.31	0/43.77	0/42.47	4/39.91
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	431
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.002**	(e)	(e)	P=0.045*
POLY 1.5	P=0.002**	(e)	(e)	P=0.049*
POLY 6	P=0.002**	(e)	(e)	P=0.042*
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	P=0.059
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	P=0.019*

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Nose</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	24/50 (48%)	37/50 (74%)	37/49 (76%)	36/50 (72%)
POLY-3 RATE (b)	24/47.26	37/47.32	37/48.10	36/46.32
POLY-3 PERCENT (g)	50.8%	78.2%	76.9%	77.7%
TERMINAL (d)	17/34 (50%)	27/33 (82%)	21/30 (70%)	16/24 (67%)
FIRST INCIDENCE	493	433	417	142
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.008**	P=0.003**	P=0.005**	P=0.004**
POLY 1.5	P=0.009**	P=0.004**	P=0.004**	P=0.005**
POLY 6	P=0.010**	P=0.003**	P=0.007**	P=0.005**
COCH-ARM / FISHERS	P=0.022*	P=0.007**	P=0.004**	P=0.012*
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P=0.003**	P=0.002**

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Nose</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/49 (6%)	7/50 (14%)
POLY-3 RATE (b)	0/45.31	1/43.86	3/41.71	7/39.66
POLY-3 PERCENT (g)	0%	2.3%	7.2%	17.7%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	2/30 (7%)	4/24 (17%)
FIRST INCIDENCE	---	708	718	386
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.493	P=0.104	P=0.004**
POLY 1.5	P<0.001**	P=0.496	P=0.109	P=0.005**
POLY 6	P<0.001**	P=0.491	P=0.099	P=0.003**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.117	P=0.006**
MAX-ISO-POLY-3	P<0.001**	P=0.158	P=0.037*	P=0.002**

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Oral Mucosa</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/2 (0%)	0/0 (0%)	0/1 (0%)	1/1 (100%)
POLY-3 RATE (b)	0/2.00	0/0.00	0/1.00	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/2 (0%)	0/0 (0%)	0/1 (0%)	1/1 (100%)
FIRST INCIDENCE	---	---	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(e)	(e)	(e)	P=0.333
POLY 1.5	(e)	(e)	(e)	P=0.333
POLY 6	(e)	(e)	(e)	P=0.333
COCH-ARM / FISHERS	P=0.148	(e)	(e)	P=0.333
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Salivary Glands</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.31	0/43.77	0/42.47	1/38.11
POLY-3 PERCENT (g)	0%	0%	0%	2.6%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	---	590
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.179	(e)	(e)	P=0.466
POLY 1.5	P=0.185	(e)	(e)	P=0.476
POLY 6	P=0.173	(e)	(e)	P=0.454
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.078	(e)	(e)	P=0.158

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

Time Report Requested: 08:48:03

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Skin</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/45.31	2/43.93	1/42.47	0/37.64
POLY-3 PERCENT (g)	2.2%	4.6%	2.4%	0%
TERMINAL (d)	1/34 (3%)	1/33 (3%)	1/30 (3%)	0/24 (0%)
FIRST INCIDENCE	730 (T)	687	730 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.296N	P=0.489	P=0.746	P=0.537N
POLY 1.5	P=0.280N	P=0.493	P=0.752	P=0.525N
POLY 6	P=0.315N	P=0.486	P=0.739	P=0.550N
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.184N	P=0.274	P=0.480	P=0.202N

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Skin</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.31	1/43.77	0/42.47	1/37.64
POLY-3 PERCENT (g)	0%	2.3%	0%	2.7%
TERMINAL (d)	0/34 (0%)	1/33 (3%)	0/30 (0%)	1/24 (4%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.357	P=0.493	(e)	P=0.463
POLY 1.5	P=0.373	P=0.496	(e)	P=0.475
POLY 6	P=0.340	P=0.490	(e)	P=0.450
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
MAX-ISO-POLY-3	P=0.158	P=0.158	(e)	P=0.158



TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

Time Report Requested: 08:48:03

First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Spleen</b>				
<b>Inflammation Granulomatous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.31	2/43.77	0/42.47	0/37.64
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/34 (0%)	2/33 (6%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	730 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.442N	P=0.229	(e)	(e)
POLY 1.5	P=0.429N	P=0.233	(e)	(e)
POLY 6	P=0.457N	P=0.226	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.196N	P=0.075	(e)	(e)

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

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Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>Trachea</b>				
<b>Inflammation Chronic Non-suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	4/50 (8%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	0/45.31	4/44.90	1/42.47	6/39.91
POLY-3 PERCENT (g)	0%	8.9%	2.4%	15%
TERMINAL (d)	0/34 (0%)	2/33 (6%)	1/30 (3%)	2/24 (8%)
FIRST INCIDENCE	---	528	730 (T)	431
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	P=0.059	P=0.487	P=0.010**
POLY 1.5	P=0.014*	P=0.060	P=0.492	P=0.011*
POLY 6	P=0.010**	P=0.059	P=0.481	P=0.008**
COCH-ARM / FISHERS	P=0.020*	P=0.059	P=0.500	P=0.013*
MAX-ISO-POLY-3	P=0.003**	P=0.019*	P=0.158	P=0.004**

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>All Organs</b>				
<b>Inflammation Chronic Suppurative</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	0/50 (0%)	2/50 (4%)	3/50 (6%)	14/50 (28%)
<b>POLY-3 RATE (b)</b>	0/45.31	2/43.86	3/42.52	14/41.99
<b>POLY-3 PERCENT (g)</b>	0%	4.6%	7.1%	33.3%
<b>TERMINAL (d)</b>	0/34 (0%)	1/33 (3%)	2/30 (7%)	6/24 (25%)
<b>FIRST INCIDENCE</b>	---	708	718	386
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P<0.001**	P=0.230	P=0.107	P<0.001**
<b>POLY 1.5</b>	P<0.001**	P=0.233	P=0.112	P<0.001**
<b>POLY 6</b>	P<0.001**	P=0.227	P=0.102	P<0.001**
<b>COCH-ARM / FISHERS</b>	P<0.001**	P=0.247	P=0.121	P<0.001**
<b>MAX-ISO-POLY-3</b>	P<0.001**	P=0.075	P=0.038*	P<0.001**

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(F 344/N)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
<b>All Organs</b>				
<b>Inflammation Suppurative</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/45.31	0/43.77	1/43.29	1/38.03
POLY-3 PERCENT (g)	0%	0%	2.3%	2.6%
TERMINAL (d)	0/34 (0%)	0/33 (0%)	0/30 (0%)	0/24 (0%)
FIRST INCIDENCE	---	---	417	619
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.192	(e)	P=0.491	P=0.465
POLY 1.5	P=0.205	(e)	P=0.495	P=0.476
POLY 6	P=0.180	(e)	P=0.486	P=0.454
COCH-ARM / FISHERS	P=0.236	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.158	(e)	P=0.158	P=0.158

TDMS No. 20011 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

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

1-Bromopropane

CAS Number: 106-94-5

Date Report Requested: 09/02/2009

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First Dose M/F: 07/14/03 / 07/14/03

Lab: BNW

**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.
  - (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 \*\*\*