

**Experiment Number:** 20523 - 04  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** MICE/B6C3F1

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

Metal Working Fluids: Trim VX

**CAS Number:** TRIMVX

**Date Report Requested:** 02/02/2015

**Time Report Requested:** 13:50:12

**First Dose M/F:** 08/03/09 / 08/03/09

**Lab:** BNW

F1\_M3

**NTP Study Number:** C20523  
**Lock Date:** 06/04/2012  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.2\_002  
**PWG Approval Date:** NONE

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## SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF METAL WORKING FLUIDS: TRIM VX

### MALE MICE

#### Organ

Adrenal Cortex  
Bone Marrow: Myeloid Cell  
Epididymis  
Heart: Atrium  
Larynx: Epiglottis  
  
Liver  
  
Liver: Hepatocyte, Centrilobular  
Lung  
  
Lung: Alveolar Epithelium  
Lung: Alveolar/Bronchiolar Epithelium  
Lymph Node, Bronchial  
  
Lymph Node, Mesenteric  
  
Nose  
  
Nose: Lateral Wall  
Nose: Nasopharyngeal Duct  
Nose: Olfactory Epithelium  
  
Nose: Respiratory Epithelium  
  
Nose: Turbinate  
  
Pancreas

#### Morphology

Hypertrophy  
Hyperplasia  
Exfoliated Germ Cell  
Thrombosis  
Hyperplasia  
Metaplasia  
Basophilic Focus  
Eosinophilic Focus  
Necrosis  
Fibrosis  
Infiltration Cellular Histiocyte  
Inflammation Chronic  
Pigmentation  
Hyperplasia  
Hyperplasia  
Hyperplasia Lymphoid  
Infiltration Cellular Histiocyte  
Hematopoietic Cell Proliferation  
Hyperplasia Lymphoid  
Exudate  
Inflammation Chronic  
Inflammation Chronic  
Perforation  
Accumulation, Hyaline Droplet  
Atrophy  
Accumulation, Hyaline Droplet  
Atrophy  
Hyperplasia  
Necrosis  
Atrophy  
Perforation  
Hypertrophy

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## SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF METAL WORKING FLUIDS: TRIM VX

Prostate	Inflammation Chronic
Skin	Hyperplasia
	Cyst Epithelial Inclusion
	Hyperplasia
Stomach, Forestomach	Hyperplasia
Testes	Degeneration
Thymus	Hyperplasia Lymphoid
Tooth	Inflammation
Trachea: Epithelium	Hyperplasia

### FEMALE MICE

#### Organ

Adrenal Cortex  
Adrenal Medulla  
Bone Marrow  
Brain

Heart  
Kidney

Larynx  
Larynx: Epiglottis

Liver

Liver: Hepatocyte  
Lung

Lung: Alveolar Epithelium  
Lung: Alveolar/Bronchiolar Epithelium  
Lymph Node, Bronchial  
Lymph Node, Mesenteric

#### Morphology

Angiectasis  
Hyperplasia  
Necrosis  
Compression  
Hemorrhage  
Infiltration Cellular  
Inflammation Chronic  
Inflammation Chronic  
Infarct Chronic  
Nephropathy  
Inflammation Chronic  
Hyperplasia  
Metaplasia  
Clear Cell Focus  
Inflammation Chronic  
Degeneration  
Fibrosis  
Infiltration Cellular Histiocyte  
Inflammation Chronic  
Hyperplasia  
Hyperplasia  
Infiltration Cellular Histiocyte  
Angiectasis

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**SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF METAL WORKING FLUIDS: TRIM VX**

Nose	Hyperplasia Lymphoid Exudate Inflammation Chronic
Nose: Goblet Cell	Hyperplasia
Nose: Nasopharyngeal Duct	Perforation
Nose: Olfactory Epithelium	Accumulation, Hyaline Droplet Atrophy
Nose: Respiratory Epithelium	Accumulation, Hyaline Droplet Atrophy Hyperplasia Necrosis
Nose: Turbinate	Atrophy Perforation
Pancreas	Hypertrophy Inflammation Chronic
Spleen	Hyperplasia Lymphoid
Stomach, Forestomach	Inflammation Chronic
Thymus	Angiectasis Atrophy Cyst
Thyroid Gland: Follicular Cell	Hyperplasia
Trachea: Cartilage	Metaplasia Osseous
Trachea: Epithelium	Degeneration Hyperplasia
Urinary Bladder	Inflammation Chronic
Uterus: Endometrium	Hyperplasia Cystic

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex</b>				
<b>Accessory Adrenal Cortical Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	0/44.42	1/45.33	1/43.83	1/44.64
POLY-3 PERCENT (g)	0%	2.2%	2.3%	2.2%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	1/37 (3%)	1/37 (3%)
FIRST INCIDENCE	---	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	2/49 (4%)
POLY-3 RATE (b)	0/44.42	0/45.33	1/43.83	2/44.64
POLY-3 PERCENT (g)	0%	0%	2.3%	4.5%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	1/37 (3%)	2/37 (5%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.088	(e)	P=0.497	P=0.238
POLY 1.5	P=0.088	(e)	P=0.495	P=0.237
POLY 6	P=0.089	(e)	P=0.499	P=0.239
COCH-ARM / FISHERS	P=0.086	(e)	P=0.495	P=0.242
MAX-ISO-POLY-3	P=0.083	(e)	P=0.157	P=0.078

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	3/44.99	2/45.90	1/43.83	1/44.64
POLY-3 PERCENT (g)	6.7%	4.4%	2.3%	2.2%
TERMINAL (d)	2/38 (5%)	1/39 (3%)	1/37 (3%)	1/37 (3%)
FIRST INCIDENCE	549	550	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.282N	P=0.491N	P=0.315N	P=0.308N
POLY 1.5	P=0.282N	P=0.493N	P=0.316N	P=0.309N
POLY 6	P=0.282N	P=0.491N	P=0.314N	P=0.309N
COCH-ARM / FISHERS	P=0.282N	P=0.500N	P=0.316N	P=0.316N
MAX-ISO-POLY-3	P=0.229N	P=0.317N	P=0.163N	P=0.156N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	21/50 (42%)	30/50 (60%)	26/49 (53%)	18/49 (37%)
POLY-3 RATE (b)	21/45.27	30/45.33	26/44.70	18/44.64
POLY-3 PERCENT (g)	46.4%	66.2%	58.2%	40.3%
TERMINAL (d)	20/38 (53%)	30/39 (77%)	22/37 (60%)	18/37 (49%)
FIRST INCIDENCE	388	729 (T)	640	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.061N	P=0.039*	P=0.178	P=0.355N
POLY 1.5	P=0.067N	P=0.045*	P=0.167	P=0.361N
POLY 6	P=0.055N	P=0.031*	P=0.199	P=0.352N
COCH-ARM / FISHERS	P=0.082N	P=0.055	P=0.184	P=0.371N
MAX-ISO-POLY-3	P=0.083N	P=0.024*	P=0.128	P=0.280N



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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Medulla</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/48 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/44.42	2/45.90	0/42.83	1/44.64
POLY-3 PERCENT (g)	2.3%	4.4%	0%	2.2%
TERMINAL (d)	1/38 (3%)	1/39 (3%)	0/36 (0%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	550	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.572N	P=0.511	P=0.507N	P=0.760N
POLY 1.5	P=0.573N	P=0.508	P=0.509N	P=0.760
POLY 6	P=0.572N	P=0.513	P=0.506N	P=0.759N
COCH-ARM / FISHERS	P=0.578N	P=0.500	P=0.510N	P=0.747
MAX-ISO-POLY-3	P=0.400N	P=0.293	P=0.165N	P=0.498N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	5/50 (10%)	5/48 (10%)	5/49 (10%)
POLY-3 RATE (b)	6/44.93	5/45.54	5/43.13	5/44.71
POLY-3 PERCENT (g)	13.4%	11%	11.6%	11.2%
TERMINAL (d)	4/38 (11%)	4/39 (10%)	4/36 (11%)	4/37 (11%)
FIRST INCIDENCE	646	674	647	711
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.506N	P=0.491N	P=0.529N	P=0.503N
POLY 1.5	P=0.507N	P=0.492N	P=0.533N	P=0.506N
POLY 6	P=0.507N	P=0.495N	P=0.527N	P=0.506N
COCH-ARM / FISHERS	P=0.513N	P=0.500N	P=0.529N	P=0.514N
MAX-ISO-POLY-3	P=0.590N	P=0.365N	P=0.401N	P=0.377N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Bone Marrow Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	2/45.85	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	572	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.378N	P=0.244	(e)	(e)
POLY 1.5	P=0.380N	P=0.242	(e)	(e)
POLY 6	P=0.377N	P=0.245	(e)	(e)
COCH-ARM / FISHERS	P=0.386N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.261N	P=0.083	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Bone Marrow: Myeloid Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	16/50 (32%)	29/50 (58%)	18/49 (37%)	29/50 (58%)
POLY-3 RATE (b)	16/45.79	29/48.08	18/44.88	29/46.46
POLY-3 PERCENT (g)	34.9%	60.3%	40.1%	62.4%
TERMINAL (d)	11/38 (29%)	22/39 (56%)	13/37 (35%)	23/37 (62%)
FIRST INCIDENCE	596	487	612	613
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.035*	P=0.010**	P=0.386	P=0.006**
POLY 1.5	P=0.038*	P=0.009**	P=0.378	P=0.006**
POLY 6	P=0.031*	P=0.011*	P=0.390	P=0.005**
COCH-ARM / FISHERS	P=0.044*	P=0.008**	P=0.388	P=0.008**
MAX-ISO-POLY-3	P=0.006**	P=0.007**	P=0.307	P=0.003**

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Bone</b>				
<b>Fibro-osseous Lesion</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.42	3/45.71	1/44.69	0/45.40
POLY-3 PERCENT (g)	2.3%	6.6%	2.2%	0%
TERMINAL (d)	1/38 (3%)	2/39 (5%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	621	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.169N	P=0.316	P=0.759N	P=0.496N
POLY 1.5	P=0.170N	P=0.313	P=0.760	P=0.497N
POLY 6	P=0.169N	P=0.317	P=0.758N	P=0.495N
COCH-ARM / FISHERS	P=0.175N	P=0.309	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.167N	P=0.165	P=0.498N	P=0.158N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	1/43.83	0/45.40
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain</b>				
<b>Infiltration Cellular</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.42	2/45.33	1/43.83	0/45.40
POLY-3 PERCENT (g)	2.3%	4.4%	2.3%	0%
TERMINAL (d)	1/38 (3%)	2/39 (5%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.233N	P=0.507	P=0.758	P=0.496N
POLY 1.5	P=0.234N	P=0.505	P=0.756	P=0.497N
POLY 6	P=0.233N	P=0.507	P=0.759	P=0.495N
COCH-ARM / FISHERS	P=0.237N	P=0.500	P=0.747	P=0.500N
MAX-ISO-POLY-3	P=0.237N	P=0.288	P=0.495	P=0.158N



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/44.42	1/45.33	1/43.83	1/45.49
POLY-3 PERCENT (g)	4.5%	2.2%	2.3%	2.2%
TERMINAL (d)	2/38 (5%)	1/39 (3%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	708
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.495N	P=0.493N	P=0.505N	P=0.492N
POLY 1.5	P=0.496N	P=0.495N	P=0.508N	P=0.494N
POLY 6	P=0.494N	P=0.493N	P=0.502N	P=0.491N
COCH-ARM / FISHERS	P=0.498N	P=0.500N	P=0.508N	P=0.500N
MAX-ISO-POLY-3	P=0.417N	P=0.276N	P=0.285N	P=0.276N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Epididymis</b>				
<b>Exfoliated Germ Cell</b>				
<b>LESION RATES</b>				
OVERALL (a)	39/50 (78%)	40/50 (80%)	44/49 (90%)	40/50 (80%)
POLY-3 RATE (b)	39/45.82	40/47.95	44/46.01	40/46.60
POLY-3 PERCENT (g)	85.1%	83.4%	95.6%	85.8%
TERMINAL (d)	34/38 (90%)	33/39 (85%)	36/37 (97%)	33/37 (89%)
FIRST INCIDENCE	549	550	549	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.533	P=0.524N	P=0.062	P=0.585
POLY 1.5	P=0.550	P=0.592N	P=0.053	P=0.557
POLY 6	P=0.499	P=0.453N	P=0.091	P=0.604
COCH-ARM / FISHERS	P=0.541	P=0.500	P=0.093	P=0.500
MAX-ISO-POLY-3	P=0.255	P=0.405N	P=0.027*	P=0.456

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Epididymis Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/44.42	3/45.33	1/43.83	1/45.40
POLY-3 PERCENT (g)	2.3%	6.6%	2.3%	2.2%
TERMINAL (d)	1/38 (3%)	3/39 (8%)	1/37 (3%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.426N	P=0.312	P=0.758	P=0.756N
POLY 1.5	P=0.427N	P=0.311	P=0.756	P=0.757N
POLY 6	P=0.426N	P=0.312	P=0.759	P=0.756N
COCH-ARM / FISHERS	P=0.433N	P=0.309	P=0.747	P=0.753N
MAX-ISO-POLY-3	P=0.450N	P=0.162	P=0.495	P=0.493N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Eye</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	3/49 (6%)	3/49 (6%)
POLY-3 RATE (b)	1/44.42	4/46.03	3/43.83	3/45.21
POLY-3 PERCENT (g)	2.3%	8.7%	6.9%	6.6%
TERMINAL (d)	1/38 (3%)	3/39 (8%)	3/37 (8%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	487	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.477	P=0.190	P=0.300	P=0.311
POLY 1.5	P=0.472	P=0.187	P=0.297	P=0.308
POLY 6	P=0.479	P=0.191	P=0.303	P=0.313
COCH-ARM / FISHERS	P=0.458	P=0.181	P=0.301	P=0.301
MAX-ISO-POLY-3	P=0.259	P=0.094	P=0.150	P=0.162

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Gallbladder Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/43 (0%)	1/46 (2%)	0/39 (0%)	2/42 (5%)
POLY-3 RATE (b)	0/41.11	1/42.21	0/36.00	2/40.09
POLY-3 PERCENT (g)	0%	2.4%	0%	5%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/32 (0%)	2/35 (6%)
FIRST INCIDENCE	---	550	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.143	P=0.505	(e)	P=0.231
POLY 1.5	P=0.143	P=0.509	(e)	P=0.232
POLY 6	P=0.143	P=0.501	(e)	P=0.231
COCH-ARM / FISHERS	P=0.142	P=0.517	(e)	P=0.241
MAX-ISO-POLY-3	P=0.078	P=0.163	(e)	P=0.074

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/44.42	1/45.71	3/44.83	1/46.21
POLY-3 PERCENT (g)	2.3%	2.2%	6.7%	2.2%
TERMINAL (d)	1/38 (3%)	0/39 (0%)	2/37 (5%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	621	72	424
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.593N	P=0.754N	P=0.308	P=0.752N
POLY 1.5	P=0.597N	P=0.756N	P=0.305	P=0.754N
POLY 6	P=0.592N	P=0.753N	P=0.311	P=0.751N
COCH-ARM / FISHERS	P=0.606N	P=0.753N	P=0.301	P=0.753N
MAX-ISO-POLY-3	P=0.461	P=0.491N	P=0.159	P=0.488N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	19/50 (38%)	17/50 (34%)	18/50 (36%)	19/50 (38%)
POLY-3 RATE (b)	19/44.83	17/46.47	18/45.59	19/47.12
POLY-3 PERCENT (g)	42.4%	36.6%	39.5%	40.3%
TERMINAL (d)	17/38 (45%)	14/39 (36%)	15/37 (41%)	14/37 (38%)
FIRST INCIDENCE	619	550	549	537
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.529	P=0.361N	P=0.474N	P=0.505N
POLY 1.5	P=0.508	P=0.380N	P=0.494N	P=0.532N
POLY 6	P=0.549	P=0.347N	P=0.455N	P=0.480N
COCH-ARM / FISHERS	P=0.469	P=0.418N	P=0.500N	P=0.582N
MAX-ISO-POLY-3	P=0.576N	P=0.288N	P=0.388N	P=0.420N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.44	3/45.33	0/44.69	1/45.47
POLY-3 PERCENT (g)	2.3%	6.6%	0%	2.2%
TERMINAL (d)	0/38 (0%)	3/39 (8%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	723	729 (T)	---	711
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.441N	P=0.312	P=0.499N	P=0.756N
POLY 1.5	P=0.443N	P=0.311	P=0.501N	P=0.757N
POLY 6	P=0.441N	P=0.312	P=0.498N	P=0.755N
COCH-ARM / FISHERS	P=0.448N	P=0.309	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.276N	P=0.162	P=0.158N	P=0.493N



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	0/44.69	0/45.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart: Atrium Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.29	0/45.33	0/44.69	0/45.40
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	388	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.258N	P=0.237N	P=0.240N	P=0.237N
POLY 1.5	P=0.258N	P=0.237N	P=0.241N	P=0.237N
POLY 6	P=0.257N	P=0.238N	P=0.240N	P=0.237N
COCH-ARM / FISHERS	P=0.260N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.035N*	P=0.076N	P=0.079N	P=0.076N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Large, Cecum Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/45 (4%)	0/49 (0%)	0/47 (0%)	3/46 (7%)
POLY-3 RATE (b)	2/42.12	0/44.64	0/43.13	3/42.77
POLY-3 PERCENT (g)	4.8%	0%	0%	7%
TERMINAL (d)	2/38 (5%)	0/39 (0%)	0/37 (0%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.145	P=0.224N	P=0.232N	P=0.507
POLY 1.5	P=0.144	P=0.221N	P=0.230N	P=0.509
POLY 6	P=0.147	P=0.228N	P=0.234N	P=0.504
COCH-ARM / FISHERS	P=0.143	P=0.226N	P=0.237N	P=0.511
MAX-ISO-POLY-3	P=0.104	P=0.071N	P=0.073N	P=0.330

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
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Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Large, Cecum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/45 (4%)	2/49 (4%)	3/47 (6%)	1/46 (2%)
POLY-3 RATE (b)	2/42.42	2/44.64	3/43.70	1/42.77
POLY-3 PERCENT (g)	4.7%	4.5%	6.9%	2.3%
TERMINAL (d)	1/38 (3%)	2/39 (5%)	2/37 (5%)	1/37 (3%)
FIRST INCIDENCE	646	729 (T)	549	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.380N	P=0.676N	P=0.514	P=0.497N
POLY 1.5	P=0.380N	P=0.670N	P=0.516	P=0.495N
POLY 6	P=0.381N	P=0.685N	P=0.509	P=0.501N
COCH-ARM / FISHERS	P=0.380N	P=0.659N	P=0.521	P=0.492N
MAX-ISO-POLY-3	P=0.411N	P=0.478N	P=0.336	P=0.278N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Duodenum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/44 (0%)	0/48 (0%)	0/45 (0%)	1/44 (2%)
POLY-3 RATE (b)	0/42.11	0/44.36	0/42.27	1/42.09
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	1/37 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Ileum Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/45 (18%)	9/49 (18%)	11/46 (24%)	11/43 (26%)
POLY-3 RATE (b)	8/42.30	9/44.64	11/42.62	11/41.17
POLY-3 PERCENT (g)	18.9%	20.2%	25.8%	26.7%
TERMINAL (d)	8/38 (21%)	9/39 (23%)	11/37 (30%)	11/37 (30%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.237	P=0.549	P=0.308	P=0.279
POLY 1.5	P=0.228	P=0.562	P=0.313	P=0.275
POLY 6	P=0.247	P=0.532	P=0.302	P=0.280
COCH-ARM / FISHERS	P=0.210	P=0.578	P=0.323	P=0.264
MAX-ISO-POLY-3	P=0.321	P=0.441	P=0.224	P=0.199

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Ileum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/45 (0%)	1/49 (2%)	1/46 (2%)	0/43 (0%)
POLY-3 RATE (b)	0/42.30	1/44.64	1/42.62	0/41.17
POLY-3 PERCENT (g)	0%	2.2%	2.4%	0%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Jejunum Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/45 (2%)	1/48 (2%)	3/45 (7%)	2/44 (5%)
POLY-3 RATE (b)	1/42.82	1/44.72	3/42.51	2/41.66
POLY-3 PERCENT (g)	2.3%	2.2%	7.1%	4.8%
TERMINAL (d)	1/38 (3%)	0/39 (0%)	3/37 (8%)	2/37 (5%)
FIRST INCIDENCE	729 (T)	628	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.399	P=0.751N	P=0.302	P=0.490
POLY 1.5	P=0.398	P=0.749N	P=0.304	P=0.491
POLY 6	P=0.400	P=0.753N	P=0.301	P=0.490
COCH-ARM / FISHERS	P=0.396	P=0.736N	P=0.308	P=0.491
MAX-ISO-POLY-3	P=0.326	P=0.487N	P=0.153	P=0.274



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	2/46.03	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	4.3%	0%	0%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	487	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.378N	P=0.245	(e)	(e)
POLY 1.5	P=0.380N	P=0.243	(e)	(e)
POLY 6	P=0.377N	P=0.246	(e)	(e)
COCH-ARM / FISHERS	P=0.386N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.263N	P=0.084	(e)	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/44.42	0/45.33	1/43.83	1/45.46
POLY-3 PERCENT (g)	0%	0%	2.3%	2.2%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	714
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney</b>				
<b>Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.42	2/45.33	0/43.83	0/45.40
POLY-3 PERCENT (g)	2.3%	4.4%	0%	0%
TERMINAL (d)	1/38 (3%)	2/39 (5%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.221N	P=0.507	P=0.503N	P=0.496N
POLY 1.5	P=0.222N	P=0.505	P=0.505N	P=0.497N
POLY 6	P=0.221N	P=0.507	P=0.501N	P=0.495N
COCH-ARM / FISHERS	P=0.224N	P=0.500	P=0.505N	P=0.500N
MAX-ISO-POLY-3	P=0.181N	P=0.288	P=0.161N	P=0.158N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney Infarct Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/49 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.42	2/45.33	1/43.83	2/45.40
POLY-3 PERCENT (g)	2.3%	4.4%	2.3%	4.4%
TERMINAL (d)	1/38 (3%)	2/39 (5%)	1/37 (3%)	2/37 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.487	P=0.507	P=0.758	P=0.508
POLY 1.5	P=0.485	P=0.505	P=0.756	P=0.506
POLY 6	P=0.487	P=0.507	P=0.759	P=0.508
COCH-ARM / FISHERS	P=0.480	P=0.500	P=0.747	P=0.500
MAX-ISO-POLY-3	P=0.465	P=0.288	P=0.495	P=0.289

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.42	1/45.54	2/43.95	2/45.47
POLY-3 PERCENT (g)	2.3%	2.2%	4.6%	4.4%
TERMINAL (d)	1/38 (3%)	0/39 (0%)	1/37 (3%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	674	697	711
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.400	P=0.755N	P=0.496	P=0.508
POLY 1.5	P=0.399	P=0.757N	P=0.493	P=0.506
POLY 6	P=0.401	P=0.754N	P=0.500	P=0.509
COCH-ARM / FISHERS	P=0.394	P=0.753N	P=0.492	P=0.500
MAX-ISO-POLY-3	P=0.451	P=0.492N	P=0.277	P=0.290

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/44.42	2/45.69	1/44.15	1/45.40
POLY-3 PERCENT (g)	0%	4.4%	2.3%	2.2%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	0/37 (0%)	1/37 (3%)
FIRST INCIDENCE	---	628	640	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.634	P=0.243	P=0.499	P=0.504
POLY 1.5	P=0.632	P=0.242	P=0.496	P=0.503
POLY 6	P=0.635	P=0.245	P=0.501	P=0.505
COCH-ARM / FISHERS	P=0.627	P=0.247	P=0.495	P=0.500
MAX-ISO-POLY-3	P=0.285	P=0.082	P=0.158	P=0.164

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	47/50 (94%)	46/50 (92%)	45/49 (92%)	49/50 (98%)
POLY-3 RATE (b)	47/48.03	46/48.98	45/46.53	49/49.77
POLY-3 PERCENT (g)	97.9%	93.9%	96.7%	98.5%
TERMINAL (d)	38/38 (100%)	37/39 (95%)	37/37 (100%)	37/37 (100%)
FIRST INCIDENCE	484	487	533	424
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.328	P=0.301N	P=0.642N	P=0.745
POLY 1.5	P=0.255	P=0.365N	P=0.634N	P=0.557
POLY 6	P=0.395	P=0.263N	P=0.709N	P=0.898N
COCH-ARM / FISHERS	P=0.170	P=0.500N	P=0.489N	P=0.309
MAX-ISO-POLY-3	P=0.338	P=0.138N	P=0.334N	P=0.391

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Larynx</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	45/48 (94%)	47/49 (96%)	46/49 (94%)	48/49 (98%)
POLY-3 RATE (b)	45/47.43	47/48.69	46/47.97	48/48.60
POLY-3 PERCENT (g)	94.9%	96.5%	95.9%	98.8%
TERMINAL (d)	36/38 (95%)	37/38 (97%)	36/37 (97%)	36/36 (100%)
FIRST INCIDENCE	388	481	533	424
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.243	P=0.544	P=0.604	P=0.291
POLY 1.5	P=0.254	P=0.524	P=0.608	P=0.296
POLY 6	P=0.225	P=0.554	P=0.615	P=0.277
COCH-ARM / FISHERS	P=0.266	P=0.490	P=0.651	P=0.301
MAX-ISO-POLY-3	P=0.219	P=0.339	P=0.400	P=0.120



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Larynx Necrosis				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	1/49 (2%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/43.58	1/44.33	1/44.69	0/44.40
POLY-3 PERCENT (g)	0%	2.3%	2.2%	0%
TERMINAL (d)	0/38 (0%)	1/38 (3%)	1/37 (3%)	0/36 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Larynx: Epiglottis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/48 (2%)	2/49 (4%)	14/49 (29%)	30/49 (61%)
POLY-3 RATE (b)	1/44.15	2/44.85	14/47.80	30/48.30
POLY-3 PERCENT (g)	2.3%	4.5%	29.3%	62.1%
TERMINAL (d)	0/38 (0%)	0/38 (0%)	6/37 (16%)	19/36 (53%)
FIRST INCIDENCE	549	644	344	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.505	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.507	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.502	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.508	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.286	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Larynx: Epiglottis Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	49/49 (100%)	49/49 (100%)	49/49 (100%)
POLY-3 RATE (b)	0/43.58	49/49.00	49/49.00	49/49.00
POLY-3 PERCENT (g)	0%	100%	100%	100%
TERMINAL (d)	0/38 (0%)	38/38 (100%)	37/37 (100%)	36/36 (100%)
FIRST INCIDENCE	---	481	344	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
Time Report Requested: 13:50:12  
First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<hr/>				
Liver Angiectasis				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.42	0/45.33	0/44.69	0/45.40
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	1/38 (3%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	9/50 (18%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	11/45.20	9/46.08	3/44.69	4/45.94
POLY-3 PERCENT (g)	24.3%	19.5%	6.7%	8.7%
TERMINAL (d)	9/38 (24%)	6/39 (15%)	3/37 (8%)	2/37 (5%)
FIRST INCIDENCE	549	656	729 (T)	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.035N*	P=0.382N	P=0.020N*	P=0.040N*
POLY 1.5	P=0.035N*	P=0.387N	P=0.020N*	P=0.041N*
POLY 6	P=0.034N*	P=0.379N	P=0.020N*	P=0.039N*
COCH-ARM / FISHERS	P=0.039N*	P=0.402N	P=0.020N*	P=0.045N*
MAX-ISO-POLY-3	P=0.020N*	P=0.292N	P=0.010N**	P=0.022N*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	14/50 (28%)	11/50 (22%)	9/50 (18%)	13/50 (26%)
<b>POLY-3 RATE (b)</b>	14/44.42	11/45.33	9/44.69	13/45.81
<b>POLY-3 PERCENT (g)</b>	31.5%	24.3%	20.1%	28.4%
<b>TERMINAL (d)</b>	14/38 (37%)	11/39 (28%)	9/37 (24%)	12/37 (32%)
<b>FIRST INCIDENCE</b>	729 (T)	729 (T)	729 (T)	613
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.528	P=0.297N	P=0.161N	P=0.462N
<b>POLY 1.5</b>	P=0.519	P=0.304N	P=0.169N	P=0.475N
<b>POLY 6</b>	P=0.537	P=0.296N	P=0.155N	P=0.453N
<b>COCH-ARM / FISHERS</b>	P=0.502	P=0.322N	P=0.171N	P=0.500N
<b>MAX-ISO-POLY-3</b>	P=0.358N	P=0.224N	P=0.109N	P=0.373N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	12/50 (24%)	17/50 (34%)	7/50 (14%)
POLY-3 RATE (b)	8/44.81	12/45.71	17/45.91	7/45.49
POLY-3 PERCENT (g)	17.9%	26.3%	37%	15.4%
TERMINAL (d)	7/38 (18%)	11/39 (28%)	15/37 (41%)	6/37 (16%)
FIRST INCIDENCE	618	621	344	708
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.211N	P=0.239	P=0.033*	P=0.487N
POLY 1.5	P=0.213N	P=0.237	P=0.031*	P=0.490N
POLY 6	P=0.212N	P=0.237	P=0.033*	P=0.490N
COCH-ARM / FISHERS	P=0.225N	P=0.227	P=0.032*	P=0.500N
MAX-ISO-POLY-3	P=0.155N	P=0.170	P=0.020*	P=0.377N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Liver Fatty Change				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.42	0/45.33	0/44.69	1/45.92
POLY-3 PERCENT (g)	0%	0%	0%	2.2%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	571
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/44.42	0/45.33	2/44.69	1/45.98
POLY-3 PERCENT (g)	0%	0%	4.5%	2.2%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	2/37 (5%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	548
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.389	(e)	P=0.238	P=0.507
POLY 1.5	P=0.384	(e)	P=0.237	P=0.505
POLY 6	P=0.392	(e)	P=0.239	P=0.508
COCH-ARM / FISHERS	P=0.377	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.183	(e)	P=0.077	P=0.167

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	3/50 (6%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	3/44.42	3/45.33	6/44.69	5/45.61
POLY-3 PERCENT (g)	6.8%	6.6%	13.4%	11%
TERMINAL (d)	3/38 (8%)	3/39 (8%)	6/37 (16%)	4/37 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	675
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.311	P=0.653N	P=0.244	P=0.371
POLY 1.5	P=0.307	P=0.655N	P=0.241	P=0.367
POLY 6	P=0.314	P=0.654N	P=0.246	P=0.373
COCH-ARM / FISHERS	P=0.299	P=0.661N	P=0.243	P=0.357
MAX-ISO-POLY-3	P=0.309	P=0.489N	P=0.148	P=0.246

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Tension Lipidosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/44.42	3/45.33	3/44.69	0/45.40
POLY-3 PERCENT (g)	2.3%	6.6%	6.7%	0%
TERMINAL (d)	1/38 (3%)	3/39 (8%)	3/37 (8%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.181N	P=0.312	P=0.307	P=0.496N
POLY 1.5	P=0.183N	P=0.311	P=0.304	P=0.497N
POLY 6	P=0.180N	P=0.312	P=0.309	P=0.495N
COCH-ARM / FISHERS	P=0.188N	P=0.309	P=0.309	P=0.500N
MAX-ISO-POLY-3	P=0.167N	P=0.162	P=0.156	P=0.158N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	0/44.69	0/45.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<hr/>				
Liver: Hepatocyte Hypertrophy				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.42	1/45.64	0/44.69	1/46.00
POLY-3 PERCENT (g)	2.3%	2.2%	0%	2.2%
TERMINAL (d)	1/38 (3%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	644	---	537
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	7/50 (14%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	3/45.70	7/46.43	5/45.23	5/46.50
POLY-3 PERCENT (g)	6.6%	15.1%	11.1%	10.8%
TERMINAL (d)	1/38 (3%)	4/39 (10%)	3/37 (8%)	3/37 (8%)
FIRST INCIDENCE	484	572	612	537
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.549	P=0.164	P=0.351	P=0.366
POLY 1.5	P=0.546	P=0.162	P=0.349	P=0.364
POLY 6	P=0.549	P=0.165	P=0.352	P=0.366
COCH-ARM / FISHERS	P=0.537	P=0.159	P=0.357	P=0.357
MAX-ISO-POLY-3	P=0.310	P=0.096	P=0.228	P=0.241

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte, Centrilobular Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	2/46.55	0/44.69	0/45.40
POLY-3 PERCENT (g)	0%	4.3%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	487	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.375N	P=0.248	(e)	(e)
POLY 1.5	P=0.378N	P=0.244	(e)	(e)
POLY 6	P=0.374N	P=0.250	(e)	(e)
COCH-ARM / FISHERS	P=0.387N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.263N	P=0.086	(e)	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte, Centrilobular Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.57	0/45.33	0/44.69	0/45.40
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	388	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.257N	P=0.238N	P=0.242N	P=0.238N
POLY 1.5	P=0.258N	P=0.238N	P=0.242N	P=0.237N
POLY 6	P=0.256N	P=0.240N	P=0.242N	P=0.240N
COCH-ARM / FISHERS	P=0.260N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.035N*	P=0.077N	P=0.080N	P=0.077N



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	5/49 (10%)	45/50 (90%)
POLY-3 RATE (b)	0/44.42	2/46.04	5/44.44	45/48.76
POLY-3 PERCENT (g)	0%	4.3%	11.3%	92.3%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	4/37 (11%)	35/37 (95%)
FIRST INCIDENCE	---	481	533	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.245	P=0.030*	P<0.001**
POLY 1.5	P<0.001**	P=0.243	P=0.029*	P<0.001**
POLY 6	P<0.001**	P=0.246	P=0.031*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.027*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.084	P=0.010**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	1/45.33	1/43.95	0/45.40
POLY-3 PERCENT (g)	0%	2.2%	2.3%	0%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	697	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung</b>				
<b>Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	9/50 (18%)	15/49 (31%)	49/50 (98%)
POLY-3 RATE (b)	5/44.44	9/46.62	15/46.03	49/49.48
POLY-3 PERCENT (g)	11.3%	19.3%	32.6%	99%
TERMINAL (d)	4/38 (11%)	7/39 (18%)	11/37 (30%)	37/37 (100%)
FIRST INCIDENCE	723	481	344	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.219	P=0.012*	P<0.001**
POLY 1.5	P<0.001**	P=0.211	P=0.010**	P<0.001**
POLY 6	P<0.001**	P=0.225	P=0.014*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.194	P=0.010**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.148	P=0.007**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	12/50 (24%)	16/49 (33%)	50/50 (100%)
POLY-3 RATE (b)	5/44.44	12/46.24	16/45.33	50/50.00
POLY-3 PERCENT (g)	11.3%	26%	35.3%	100%
TERMINAL (d)	4/38 (11%)	9/39 (23%)	14/37 (38%)	37/37 (100%)
FIRST INCIDENCE	723	628	344	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.062	P=0.006**	P<0.001**
POLY 1.5	P<0.001**	P=0.059	P=0.005**	P<0.001**
POLY 6	P<0.001**	P=0.065	P=0.006**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.054	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.037*	P=0.003**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Pigmentation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/49 (4%)	8/50 (16%)
POLY-3 RATE (b)	2/44.44	2/46.04	2/44.08	8/46.34
POLY-3 PERCENT (g)	4.5%	4.3%	4.5%	17.3%
TERMINAL (d)	1/38 (3%)	1/39 (3%)	1/37 (3%)	4/37 (11%)
FIRST INCIDENCE	723	481	662	613
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.006**	P=0.681N	P=0.691	P=0.052
POLY 1.5	P=0.006**	P=0.685N	P=0.687	P=0.050*
POLY 6	P=0.006**	P=0.680N	P=0.693N	P=0.055
COCH-ARM / FISHERS	P=0.006**	P=0.691N	P=0.684	P=0.046*
MAX-ISO-POLY-3	P=0.010**	P=0.485N	P=0.496	P=0.027*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	1/45.33	2/44.72	0/45.40
POLY-3 PERCENT (g)	0%	2.2%	4.5%	0%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	1/37 (3%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	344	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.494N	P=0.504	P=0.239	(e)
POLY 1.5	P=0.496N	P=0.503	P=0.235	(e)
POLY 6	P=0.494N	P=0.504	P=0.241	(e)
COCH-ARM / FISHERS	P=0.501N	P=0.500	P=0.242	(e)
MAX-ISO-POLY-3	P=0.338N	P=0.164	P=0.078	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	3/50 (6%)	7/49 (14%)	47/50 (94%)
POLY-3 RATE (b)	3/44.42	3/46.04	7/44.44	47/49.25
POLY-3 PERCENT (g)	6.8%	6.5%	15.8%	95.4%
TERMINAL (d)	3/38 (8%)	2/39 (5%)	6/37 (16%)	36/37 (97%)
FIRST INCIDENCE	729 (T)	481	533	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.646N	P=0.157	P<0.001**
POLY 1.5	P<0.001**	P=0.650N	P=0.151	P<0.001**
POLY 6	P<0.001**	P=0.644N	P=0.161	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.661N	P=0.151	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.481N	P=0.091	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung: Alveolar/Bronchiolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	7/50 (14%)	15/49 (31%)	50/50 (100%)
POLY-3 RATE (b)	3/44.42	7/46.16	15/44.64	50/50.00
POLY-3 PERCENT (g)	6.8%	15.2%	33.6%	100%
TERMINAL (d)	3/38 (8%)	5/39 (13%)	12/37 (32%)	37/37 (100%)
FIRST INCIDENCE	729 (T)	572	533	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.173	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.168	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.177	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.159	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.104	P<0.001**	P<0.001**



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Bronchial Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/38 (8%)	3/37 (8%)	2/39 (5%)	14/39 (36%)
POLY-3 RATE (b)	3/33.92	3/33.92	2/35.53	14/35.41
POLY-3 PERCENT (g)	8.8%	8.9%	5.6%	39.5%
TERMINAL (d)	3/30 (10%)	3/30 (10%)	2/30 (7%)	14/28 (50%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.664	P=0.479N	P=0.002**
POLY 1.5	P<0.001**	P=0.660	P=0.486N	P=0.002**
POLY 6	P<0.001**	P=0.662N	P=0.473N	P=0.002**
COCH-ARM / FISHERS	P<0.001**	P=0.650	P=0.487N	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.499	P=0.307N	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Bronchial Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/38 (0%)	1/37 (3%)	0/39 (0%)	7/39 (18%)
POLY-3 RATE (b)	0/33.92	1/34.49	0/35.53	7/35.48
POLY-3 PERCENT (g)	0%	2.9%	0%	19.7%
TERMINAL (d)	0/30 (0%)	0/30 (0%)	0/30 (0%)	6/28 (21%)
FIRST INCIDENCE	---	550	---	711
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.503	(e)	P=0.008**
POLY 1.5	P<0.001**	P=0.500	(e)	P=0.008**
POLY 6	P<0.001**	P=0.506	(e)	P=0.007**
COCH-ARM / FISHERS	P<0.001**	P=0.493	(e)	P=0.006**
MAX-ISO-POLY-3	P<0.001**	P=0.164	(e)	P=0.002**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mandibular Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/20 (15%)	3/27 (11%)	2/25 (8%)	1/27 (4%)
POLY-3 RATE (b)	3/17.68	3/22.69	2/24.05	1/24.78
POLY-3 PERCENT (g)	17%	13.2%	8.3%	4%
TERMINAL (d)	3/15 (20%)	3/17 (18%)	2/22 (9%)	1/21 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.146N	P=0.545N	P=0.359N	P=0.187N
POLY 1.5	P=0.151N	P=0.531N	P=0.373N	P=0.191N
POLY 6	P=0.141N	P=0.567N	P=0.344N	P=0.184N
COCH-ARM / FISHERS	P=0.158N	P=0.512N	P=0.392N	P=0.200N
MAX-ISO-POLY-3	P=0.169N	P=0.375N	P=0.223N	P=0.096N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mediastinal Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/35 (9%)	2/35 (6%)	1/41 (2%)	5/40 (13%)
POLY-3 RATE (b)	3/32.67	2/32.11	1/36.95	5/37.17
POLY-3 PERCENT (g)	9.2%	6.2%	2.7%	13.5%
TERMINAL (d)	3/28 (11%)	2/29 (7%)	1/31 (3%)	5/31 (16%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.198	P=0.508N	P=0.261N	P=0.428
POLY 1.5	P=0.198	P=0.506N	P=0.257N	P=0.429
POLY 6	P=0.198	P=0.508N	P=0.263N	P=0.427
COCH-ARM / FISHERS	P=0.196	P=0.500N	P=0.250N	P=0.434
MAX-ISO-POLY-3	P=0.207	P=0.331N	P=0.129N	P=0.296

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mesenteric Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/48 (2%)	0/49 (0%)	3/47 (6%)	0/48 (0%)
POLY-3 RATE (b)	1/43.41	0/44.33	3/42.85	0/44.13
POLY-3 PERCENT (g)	2.3%	0%	7%	0%
TERMINAL (d)	0/38 (0%)	0/38 (0%)	2/36 (6%)	0/37 (0%)
FIRST INCIDENCE	723	---	697	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.422N	P=0.496N	P=0.300	P=0.497N
POLY 1.5	P=0.425N	P=0.495N	P=0.298	P=0.497N
POLY 6	P=0.419N	P=0.498N	P=0.300	P=0.497N
COCH-ARM / FISHERS	P=0.430N	P=0.495N	P=0.301	P=0.500N
MAX-ISO-POLY-3	P=0.275N	P=0.157N	P=0.150	P=0.159N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mesenteric Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	3/49 (6%)	4/47 (9%)	1/48 (2%)
POLY-3 RATE (b)	0/43.38	3/44.64	4/43.40	1/44.20
POLY-3 PERCENT (g)	0%	6.7%	9.2%	2.3%
TERMINAL (d)	0/38 (0%)	2/38 (5%)	1/36 (3%)	0/37 (0%)
FIRST INCIDENCE	---	644	647	711
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.513N	P=0.124	P=0.060	P=0.504
POLY 1.5	P=0.516N	P=0.124	P=0.058	P=0.503
POLY 6	P=0.512N	P=0.122	P=0.061	P=0.504
COCH-ARM / FISHERS	P=0.523N	P=0.125	P=0.056	P=0.500
MAX-ISO-POLY-3	P=0.144	P=0.041*	P=0.020*	P=0.163

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mesenteric Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	15/48 (31%)	11/49 (22%)	9/47 (19%)	6/48 (13%)
POLY-3 RATE (b)	15/43.38	11/44.33	9/42.72	6/44.13
POLY-3 PERCENT (g)	34.6%	24.8%	21.1%	13.6%
TERMINAL (d)	15/38 (40%)	11/38 (29%)	9/36 (25%)	6/37 (16%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.024N*	P=0.220N	P=0.122N	P=0.018N*
POLY 1.5	P=0.026N*	P=0.219N	P=0.127N	P=0.019N*
POLY 6	P=0.023N*	P=0.229N	P=0.121N	P=0.017N*
COCH-ARM / FISHERS	P=0.030N*	P=0.227N	P=0.131N	P=0.023N*
MAX-ISO-POLY-3	P=0.016N*	P=0.159N	P=0.080N	P=0.010N**

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
Time Report Requested: 13:50:12  
First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node: Lumbar Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/3 (0%)	0/0 (0%)	0/3 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/2.61	0/0.00	0/3.00	0/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/0 (0%)	0/3 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Mesentery</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/5 (0%)	0/7 (0%)	0/4 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/4.71	0/6.15	0/3.43	0/2.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/4 (0%)	0/4 (0%)	0/3 (0%)	0/2 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/5 (80%)	4/7 (57%)	1/4 (25%)	2/2 (100%)
POLY-3 RATE (b)	4/5.00	4/6.42	1/3.43	2/2.00
POLY-3 PERCENT (g)	80%	62.3%	29.2%	100%
TERMINAL (d)	3/4 (75%)	3/4 (75%)	1/3 (33%)	2/2 (100%)
FIRST INCIDENCE	649	656	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.530	P=0.502N	P=0.218N	P=0.673
POLY 1.5	P=0.525	P=0.463N	P=0.187N	P=0.673
POLY 6	P=0.544	P=0.572N	P=0.260N	P=0.673
COCH-ARM / FISHERS	P=0.524	P=0.424N	P=0.167N	P=0.714
MAX-ISO-POLY-3	P=0.308	P=0.272N	P=0.089N	P=0.308

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose Exudate</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	11/50 (22%)	35/49 (71%)	49/50 (98%)
POLY-3 RATE (b)	2/44.08	11/47.17	35/44.78	49/50.00
POLY-3 PERCENT (g)	4.5%	23.3%	78.2%	98%
TERMINAL (d)	1/38 (3%)	7/39 (18%)	30/37 (81%)	36/37 (97%)
FIRST INCIDENCE	675	487	640	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.010**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.009**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.010**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.008**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.005**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	33/50 (66%)	40/49 (82%)	50/50 (100%)
POLY-3 RATE (b)	3/43.90	33/46.96	40/46.15	50/50.00
POLY-3 PERCENT (g)	6.8%	70.3%	86.7%	100%
TERMINAL (d)	2/38 (5%)	28/39 (72%)	34/37 (92%)	37/37 (100%)
FIRST INCIDENCE	723	572	344	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Goblet Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.87	0/45.33	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Lateral Wall Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	7/50 (14%)	4/49 (8%)	5/50 (10%)
POLY-3 RATE (b)	2/44.26	7/46.60	4/43.83	5/45.40
POLY-3 PERCENT (g)	4.5%	15%	9.1%	11%
TERMINAL (d)	1/38 (3%)	5/39 (13%)	4/37 (11%)	5/37 (14%)
FIRST INCIDENCE	618	487	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.448	P=0.091	P=0.332	P=0.226
POLY 1.5	P=0.451	P=0.090	P=0.332	P=0.227
POLY 6	P=0.440	P=0.091	P=0.330	P=0.221
COCH-ARM / FISHERS	P=0.448	P=0.085	P=0.339	P=0.226
MAX-ISO-POLY-3	P=0.209	P=0.049*	P=0.198	P=0.128

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Nasolacrimal Duct Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	2/50 (4%)	2/49 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/44.18	2/45.33	2/43.90	2/45.40
POLY-3 PERCENT (g)	6.8%	4.4%	4.6%	4.4%
TERMINAL (d)	2/38 (5%)	2/39 (5%)	1/37 (3%)	2/37 (5%)
FIRST INCIDENCE	646	729 (T)	711	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.490N	P=0.488N	P=0.503N	P=0.488N
POLY 1.5	P=0.490N	P=0.487N	P=0.504N	P=0.487N
POLY 6	P=0.492N	P=0.493N	P=0.504N	P=0.492N
COCH-ARM / FISHERS	P=0.493N	P=0.490N	P=0.500N	P=0.490N
MAX-ISO-POLY-3	P=0.489N	P=0.315N	P=0.327N	P=0.314N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Nasopharyngeal Duct Perforation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	11/49 (22%)	19/50 (38%)
POLY-3 RATE (b)	0/43.87	1/45.33	11/43.95	19/46.88
POLY-3 PERCENT (g)	0%	2.2%	25%	40.5%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	10/37 (27%)	15/37 (41%)
FIRST INCIDENCE	---	729 (T)	697	571
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.507	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.506	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.505	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.505	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.165	P<0.001**	P<0.001**



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Olfactory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	46/50 (92%)	48/49 (98%)	50/50 (100%)
POLY-3 RATE (b)	2/44.72	46/49.62	48/48.00	50/50.00
POLY-3 PERCENT (g)	4.5%	92.7%	100%	100%
TERMINAL (d)	1/38 (3%)	36/39 (92%)	37/37 (100%)	37/37 (100%)
FIRST INCIDENCE	388	481	344	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Olfactory Epithelium Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/49 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/43.87	1/45.90	0/43.83	4/45.40
POLY-3 PERCENT (g)	0%	2.2%	0%	8.8%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	4/37 (11%)
FIRST INCIDENCE	---	550	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.010**	P=0.509	(e)	P=0.065
POLY 1.5	P=0.010**	P=0.508	(e)	P=0.064
POLY 6	P=0.010**	P=0.509	(e)	P=0.064
COCH-ARM / FISHERS	P=0.011*	P=0.505	(e)	P=0.061
MAX-ISO-POLY-3	P=0.009**	P=0.169	(e)	P=0.022*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Olfactory Epithelium Metaplasia Respiratory</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/49 (6%)	2/50 (4%)	3/49 (6%)	5/50 (10%)
POLY-3 RATE (b)	3/43.87	2/46.03	3/44.44	5/45.69
POLY-3 PERCENT (g)	6.8%	4.3%	6.8%	10.9%
TERMINAL (d)	3/38 (8%)	1/39 (3%)	2/37 (5%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	487	533	675
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.197	P=0.478N	P=0.657N	P=0.379
POLY 1.5	P=0.197	P=0.481N	P=0.662N	P=0.376
POLY 6	P=0.197	P=0.478N	P=0.653N	P=0.379
COCH-ARM / FISHERS	P=0.194	P=0.490N	P=0.661N	P=0.369
MAX-ISO-POLY-3	P=0.273	P=0.307N	P=0.493N	P=0.253

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	7/49 (14%)	49/50 (98%)	49/49 (100%)	50/50 (100%)
POLY-3 RATE (b)	7/43.87	49/49.30	49/49.00	50/50.00
POLY-3 PERCENT (g)	16%	99.4%	100%	100%
TERMINAL (d)	7/38 (18%)	39/39 (100%)	37/37 (100%)	37/37 (100%)
FIRST INCIDENCE	729 (T)	481	72	424
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	20/49 (41%)	40/50 (80%)
POLY-3 RATE (b)	0/43.87	1/45.33	20/44.65	40/48.29
POLY-3 PERCENT (g)	0%	2.2%	44.8%	82.8%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	16/37 (43%)	31/37 (84%)
FIRST INCIDENCE	---	729 (T)	640	548
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.507	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.506	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.505	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.505	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.165	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	41/49 (84%)	49/50 (98%)	47/49 (96%)	48/50 (96%)
POLY-3 RATE (b)	41/47.81	49/50.00	47/47.70	48/49.40
POLY-3 PERCENT (g)	85.8%	98%	98.5%	97.2%
TERMINAL (d)	34/38 (90%)	38/39 (97%)	37/37 (100%)	36/37 (97%)
FIRST INCIDENCE	388	481	344	424
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.101	P=0.024*	P=0.018*	P=0.038*
POLY 1.5	P=0.107	P=0.019*	P=0.018*	P=0.038*
POLY 6	P=0.103	P=0.036*	P=0.020*	P=0.045*
COCH-ARM / FISHERS	P=0.131	P=0.014*	P=0.046*	P=0.043*
MAX-ISO-POLY-3	P=0.003**	P=0.010**	P=0.006**	P=0.016*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/50 (4%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/43.90	2/46.60	1/43.83	1/45.40
POLY-3 PERCENT (g)	2.3%	4.3%	2.3%	2.2%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	1/37 (3%)	1/37 (3%)
FIRST INCIDENCE	723	487	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.537N	P=0.521	P=0.760	P=0.753N
POLY 1.5	P=0.536N	P=0.517	P=0.759	P=0.753N
POLY 6	P=0.539N	P=0.523	P=0.761	P=0.754N
COCH-ARM / FISHERS	P=0.539N	P=0.508	P=0.753N	P=0.747N
MAX-ISO-POLY-3	P=0.592N	P=0.302	P=0.499	P=0.490N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	1/50 (2%)	2/49 (4%)	23/50 (46%)
POLY-3 RATE (b)	2/43.87	1/45.90	2/43.95	23/47.78
POLY-3 PERCENT (g)	4.6%	2.2%	4.6%	48.1%
TERMINAL (d)	2/38 (5%)	0/39 (0%)	1/37 (3%)	16/37 (43%)
FIRST INCIDENCE	729 (T)	550	697	548
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.484N	P=0.693N	P<0.001**
POLY 1.5	P<0.001**	P=0.486N	P=0.692	P<0.001**
POLY 6	P<0.001**	P=0.484N	P=0.692N	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.492N	P=0.691N	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.271N	P=0.498N	P<0.001**



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Turbinate Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	2/50 (4%)	5/49 (10%)	14/50 (28%)
POLY-3 RATE (b)	0/43.87	2/46.60	5/43.83	14/45.78
POLY-3 PERCENT (g)	0%	4.3%	11.4%	30.6%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	5/37 (14%)	11/37 (30%)
FIRST INCIDENCE	---	487	729 (T)	667
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.251	P=0.030*	P<0.001**
POLY 1.5	P<0.001**	P=0.248	P=0.030*	P<0.001**
POLY 6	P<0.001**	P=0.252	P=0.030*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.253	P=0.028*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.088	P=0.010**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Turbinate Perforation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/49 (2%)	13/50 (26%)
POLY-3 RATE (b)	0/43.87	0/45.33	1/43.83	13/45.78
POLY-3 PERCENT (g)	0%	0%	2.3%	28.4%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	1/37 (3%)	10/37 (27%)
FIRST INCIDENCE	---	---	729 (T)	667
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.500	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.499	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pancreas Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	1/44.40	0/45.40
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	549	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pancreas Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.42	0/45.33	0/43.83	0/45.40
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	2/38 (5%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.262N	P=0.233N	P=0.240N	P=0.232N
POLY 1.5	P=0.261N	P=0.234N	P=0.242N	P=0.234N
POLY 6	P=0.262N	P=0.233N	P=0.238N	P=0.232N
COCH-ARM / FISHERS	P=0.260N	P=0.247N	P=0.253N	P=0.247N
MAX-ISO-POLY-3	P=0.035N*	P=0.076N	P=0.078N	P=0.076N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pancreas</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	3/45.69	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	6.6%	0%	0%
TERMINAL (d)	0/38 (0%)	2/39 (5%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	628	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.259N	P=0.124	(e)	(e)
POLY 1.5	P=0.261N	P=0.122	(e)	(e)
POLY 6	P=0.258N	P=0.124	(e)	(e)
COCH-ARM / FISHERS	P=0.270N	P=0.121	(e)	(e)
MAX-ISO-POLY-3	P=0.177N	P=0.042*	(e)	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pituitary Gland: Pars Distalis Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	1/48 (2%)	1/48 (2%)
POLY-3 RATE (b)	0/44.42	0/44.54	1/42.83	1/44.04
POLY-3 PERCENT (g)	0%	0%	2.3%	2.3%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	1/36 (3%)	0/36 (0%)
FIRST INCIDENCE	---	---	729 (T)	613
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pituitary Gland: Pars Distalis Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	1/49 (2%)	3/48 (6%)	6/48 (13%)
POLY-3 RATE (b)	4/45.20	1/44.54	3/42.83	6/43.87
POLY-3 PERCENT (g)	8.9%	2.3%	7%	13.7%
TERMINAL (d)	2/38 (5%)	1/39 (3%)	3/36 (8%)	5/36 (14%)
FIRST INCIDENCE	549	729 (T)	729 (T)	667
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.098	P=0.183N	P=0.529N	P=0.351
POLY 1.5	P=0.098	P=0.183N	P=0.530N	P=0.350
POLY 6	P=0.098	P=0.185N	P=0.532N	P=0.348
COCH-ARM / FISHERS	P=0.097	P=0.187N	P=0.523N	P=0.344
MAX-ISO-POLY-3	P=0.127	P=0.087N	P=0.376N	P=0.238

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	3/49 (6%)	2/48 (4%)	3/48 (6%)
POLY-3 RATE (b)	3/44.42	3/44.54	2/42.83	3/43.64
POLY-3 PERCENT (g)	6.8%	6.7%	4.7%	6.9%
TERMINAL (d)	3/38 (8%)	3/39 (8%)	2/36 (6%)	3/36 (8%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.585	P=0.661N	P=0.517N	P=0.654
POLY 1.5	P=0.583	P=0.661	P=0.520N	P=0.651
POLY 6	P=0.586	P=0.660N	P=0.514N	P=0.656
COCH-ARM / FISHERS	P=0.578	P=0.651	P=0.520N	P=0.641
MAX-ISO-POLY-3	P=0.658N	P=0.498N	P=0.339N	P=0.490



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Preputial Gland Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/49 (8%)	3/50 (6%)	3/48 (6%)	4/49 (8%)
POLY-3 RATE (b)	4/44.08	3/45.33	3/42.95	4/44.70
POLY-3 PERCENT (g)	9.1%	6.6%	7%	9%
TERMINAL (d)	3/38 (8%)	3/39 (8%)	2/36 (6%)	2/36 (6%)
FIRST INCIDENCE	675	729 (T)	697	667
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.516	P=0.485N	P=0.514N	P=0.636N
POLY 1.5	P=0.515	P=0.484N	P=0.516N	P=0.637N
POLY 6	P=0.517	P=0.490N	P=0.514N	P=0.638N
COCH-ARM / FISHERS	P=0.510	P=0.489N	P=0.512N	P=0.643N
MAX-ISO-POLY-3	P=0.615N	P=0.335N	P=0.361N	P=0.491N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Preputial Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/49 (18%)	14/50 (28%)	12/48 (25%)	12/49 (24%)
POLY-3 RATE (b)	9/44.26	14/46.12	12/43.13	12/45.57
POLY-3 PERCENT (g)	20.3%	30.4%	27.8%	26.3%
TERMINAL (d)	8/38 (21%)	12/39 (31%)	11/36 (31%)	7/36 (19%)
FIRST INCIDENCE	619	572	647	613
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.489	P=0.196	P=0.285	P=0.337
POLY 1.5	P=0.478	P=0.194	P=0.282	P=0.328
POLY 6	P=0.502	P=0.194	P=0.284	P=0.345
COCH-ARM / FISHERS	P=0.458	P=0.185	P=0.293	P=0.312
MAX-ISO-POLY-3	P=0.328	P=0.140	P=0.209	P=0.255

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Preputial Gland: Duct Ectasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.87	2/45.92	0/42.83	0/44.40
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/36 (0%)	0/36 (0%)
FIRST INCIDENCE	---	621	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.381N	P=0.247	(e)	(e)
POLY 1.5	P=0.383N	P=0.246	(e)	(e)
POLY 6	P=0.382N	P=0.248	(e)	(e)
COCH-ARM / FISHERS	P=0.388N	P=0.253	(e)	(e)
MAX-ISO-POLY-3	P=0.263N	P=0.085	(e)	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Prostate Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/44.33	3/44.69	0/45.40
POLY-3 PERCENT (g)	0%	0%	6.7%	0%
TERMINAL (d)	0/38 (0%)	0/38 (0%)	3/37 (8%)	0/37 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.616N	(e)	P=0.120	(e)
POLY 1.5	P=0.618N	(e)	P=0.118	(e)
POLY 6	P=0.615N	(e)	P=0.120	(e)
COCH-ARM / FISHERS	P=0.621N	(e)	P=0.121	(e)
MAX-ISO-POLY-3	P=0.177	(e)	P=0.039*	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Prostate Infiltration Cellular Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.42	1/44.33	1/44.69	2/45.40
POLY-3 PERCENT (g)	2.3%	2.3%	2.2%	4.4%
TERMINAL (d)	1/38 (3%)	1/38 (3%)	1/37 (3%)	2/37 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.372	P=0.760	P=0.759N	P=0.508
POLY 1.5	P=0.371	P=0.759	P=0.760	P=0.506
POLY 6	P=0.373	P=0.760	P=0.758N	P=0.508
COCH-ARM / FISHERS	P=0.366	P=0.747	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.437	P=0.499	P=0.498N	P=0.289

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Prostate Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/49 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/44.42	1/44.54	1/44.82	0/45.40
POLY-3 PERCENT (g)	4.5%	2.3%	2.2%	0%
TERMINAL (d)	2/38 (5%)	0/38 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	674	697	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.198N	P=0.499N	P=0.497N	P=0.232N
POLY 1.5	P=0.198N	P=0.501N	P=0.500N	P=0.234N
POLY 6	P=0.198N	P=0.498N	P=0.494N	P=0.232N
COCH-ARM / FISHERS	P=0.198N	P=0.508N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.125N	P=0.281N	P=0.279N	P=0.076N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Seminal Vesicle Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.42	2/45.54	1/44.82	0/45.40
POLY-3 PERCENT (g)	2.3%	4.4%	2.2%	0%
TERMINAL (d)	1/38 (3%)	1/39 (3%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	674	697	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.233N	P=0.509	P=0.759N	P=0.496N
POLY 1.5	P=0.234N	P=0.506	P=0.760	P=0.497N
POLY 6	P=0.233N	P=0.510	P=0.757N	P=0.495N
COCH-ARM / FISHERS	P=0.237N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.237N	P=0.290	P=0.497N	P=0.158N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Cyst Epithelial Inclusion</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/44.42	1/45.33	0/44.69	4/46.44
POLY-3 PERCENT (g)	0%	2.2%	0%	8.6%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	0/37 (0%)	1/37 (3%)
FIRST INCIDENCE	---	729 (T)	---	537
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.010**	P=0.504	(e)	P=0.066
POLY 1.5	P=0.010**	P=0.503	(e)	P=0.064
POLY 6	P=0.011*	P=0.504	(e)	P=0.068
COCH-ARM / FISHERS	P=0.010**	P=0.500	(e)	P=0.059
MAX-ISO-POLY-3	P=0.010**	P=0.164	(e)	P=0.024*



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	3/44.42	2/45.64	0/44.69	3/45.94
POLY-3 PERCENT (g)	6.8%	4.4%	0%	6.5%
TERMINAL (d)	3/38 (8%)	1/39 (3%)	0/37 (0%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	644	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.491	P=0.488N	P=0.117N	P=0.647N
POLY 1.5	P=0.489	P=0.491N	P=0.119N	P=0.652N
POLY 6	P=0.494	P=0.486N	P=0.116N	P=0.642N
COCH-ARM / FISHERS	P=0.484	P=0.500N	P=0.121N	P=0.661N
MAX-ISO-POLY-3	P=0.354N	P=0.315N	P=0.038N*	P=0.482N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	10/50 (20%)	6/50 (12%)	8/50 (16%)	11/50 (22%)
POLY-3 RATE (b)	10/45.26	6/46.32	8/45.35	11/46.71
POLY-3 PERCENT (g)	22.1%	13%	17.6%	23.6%
TERMINAL (d)	8/38 (21%)	3/39 (8%)	5/37 (14%)	5/37 (14%)
FIRST INCIDENCE	596	628	612	613
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.267	P=0.190N	P=0.395N	P=0.533
POLY 1.5	P=0.261	P=0.195N	P=0.402N	P=0.521
POLY 6	P=0.274	P=0.187N	P=0.390N	P=0.544
COCH-ARM / FISHERS	P=0.252	P=0.207N	P=0.398N	P=0.500
MAX-ISO-POLY-3	P=0.378	P=0.127N	P=0.298N	P=0.433

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.81	3/46.36	1/45.10	0/45.40
POLY-3 PERCENT (g)	2.2%	6.5%	2.2%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	619	628	612	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.171N	P=0.318	P=0.759N	P=0.497N
POLY 1.5	P=0.172N	P=0.314	P=0.760	P=0.498N
POLY 6	P=0.172N	P=0.321	P=0.758N	P=0.498N
COCH-ARM / FISHERS	P=0.175N	P=0.309	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.168N	P=0.167	P=0.497N	P=0.158N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/44.42	2/45.60	3/44.94	3/45.92
POLY-3 PERCENT (g)	6.8%	4.4%	6.7%	6.5%
TERMINAL (d)	3/38 (8%)	1/39 (3%)	1/37 (3%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	656	697	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.542	P=0.488N	P=0.657N	P=0.647N
POLY 1.5	P=0.537	P=0.492N	P=0.662N	P=0.652N
POLY 6	P=0.546	P=0.486N	P=0.652N	P=0.643N
COCH-ARM / FISHERS	P=0.530	P=0.500N	P=0.661N	P=0.661N
MAX-ISO-POLY-3	P=0.649	P=0.315N	P=0.493N	P=0.483N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Spleen</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.13	1/45.33	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
<b>OVERALL (a)</b>	11/49 (22%)	8/50 (16%)	11/49 (22%)	10/50 (20%)
<b>POLY-3 RATE (b)</b>	11/47.10	8/47.48	11/45.44	10/46.77
<b>POLY-3 PERCENT (g)</b>	23.4%	16.9%	24.2%	21.4%
<b>TERMINAL (d)</b>	4/38 (11%)	2/39 (5%)	4/37 (11%)	5/37 (14%)
<b>FIRST INCIDENCE</b>	388	550	612	537
<b>STATISTICAL TESTS</b>				
<b>POLY 3</b>	P=0.534	P=0.298N	P=0.558	P=0.507N
<b>POLY 1.5</b>	P=0.544	P=0.295N	P=0.562	P=0.496N
<b>POLY 6</b>	P=0.519	P=0.299N	P=0.561	P=0.521N
<b>COCH-ARM / FISHERS</b>	P=0.557	P=0.288N	P=0.595N	P=0.479N
<b>MAX-ISO-POLY-3</b>	P=0.591	P=0.217N	P=0.461	P=0.408N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Spleen Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	13/49 (27%)	15/50 (30%)	9/49 (18%)	8/50 (16%)
POLY-3 RATE (b)	13/44.13	15/45.33	9/43.83	8/45.40
POLY-3 PERCENT (g)	29.5%	33.1%	20.5%	17.6%
TERMINAL (d)	13/38 (34%)	15/39 (39%)	9/37 (24%)	8/37 (22%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.068N	P=0.443	P=0.235N	P=0.140N
POLY 1.5	P=0.070N	P=0.444	P=0.241N	P=0.143N
POLY 6	P=0.067N	P=0.436	P=0.231N	P=0.140N
COCH-ARM / FISHERS	P=0.076N	P=0.437	P=0.234N	P=0.150N
MAX-ISO-POLY-3	P=0.110N	P=0.355	P=0.168N	P=0.094N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Forestomach Hyperkeratosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Forestomach Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	5/49 (10%)	1/50 (2%)
POLY-3 RATE (b)	0/44.42	1/45.33	5/45.42	1/45.64
POLY-3 PERCENT (g)	0%	2.2%	11%	2.2%
TERMINAL (d)	0/38 (0%)	1/39 (3%)	2/37 (5%)	0/37 (0%)
FIRST INCIDENCE	---	729 (T)	533	667
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.587	P=0.504	P=0.032*	P=0.505
POLY 1.5	P=0.582	P=0.503	P=0.030*	P=0.504
POLY 6	P=0.592	P=0.504	P=0.034*	P=0.506
COCH-ARM / FISHERS	P=0.571	P=0.500	P=0.027*	P=0.500
MAX-ISO-POLY-3	P=0.086	P=0.164	P=0.011*	P=0.165

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	3/49 (6%)	5/50 (10%)
POLY-3 RATE (b)	1/44.42	3/46.04	3/44.40	5/46.16
POLY-3 PERCENT (g)	2.3%	6.5%	6.8%	10.8%
TERMINAL (d)	1/38 (3%)	2/39 (5%)	2/37 (5%)	3/37 (8%)
FIRST INCIDENCE	729 (T)	481	549	571
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.113	P=0.318	P=0.305	P=0.110
POLY 1.5	P=0.110	P=0.315	P=0.300	P=0.107
POLY 6	P=0.115	P=0.320	P=0.310	P=0.113
COCH-ARM / FISHERS	P=0.105	P=0.309	P=0.301	P=0.102
MAX-ISO-POLY-3	P=0.087	P=0.168	P=0.155	P=0.052

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Glandular Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/48 (2%)	4/50 (8%)	2/49 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/43.45	4/45.33	2/43.83	4/45.40
POLY-3 PERCENT (g)	2.3%	8.8%	4.6%	8.8%
TERMINAL (d)	1/38 (3%)	4/39 (10%)	2/37 (5%)	4/37 (11%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.277	P=0.192	P=0.503	P=0.192
POLY 1.5	P=0.278	P=0.193	P=0.503	P=0.193
POLY 6	P=0.273	P=0.188	P=0.502	P=0.189
COCH-ARM / FISHERS	P=0.275	P=0.194	P=0.508	P=0.194
MAX-ISO-POLY-3	P=0.169	P=0.094	P=0.283	P=0.094

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/48 (2%)	1/50 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/43.45	1/45.33	2/43.83	0/45.40
POLY-3 PERCENT (g)	2.3%	2.2%	4.6%	0%
TERMINAL (d)	1/38 (3%)	1/39 (3%)	2/37 (5%)	0/37 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.320N	P=0.751N	P=0.503	P=0.491N
POLY 1.5	P=0.319N	P=0.750N	P=0.503	P=0.491N
POLY 6	P=0.321N	P=0.754N	P=0.502	P=0.493N
COCH-ARM / FISHERS	P=0.320N	P=0.742N	P=0.508	P=0.490N
MAX-ISO-POLY-3	P=0.280N	P=0.487N	P=0.283	P=0.156N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Testes</b>				
<b>Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	9/50 (18%)	17/50 (34%)	15/49 (31%)	9/50 (18%)
POLY-3 RATE (b)	9/44.65	17/46.78	15/45.06	9/46.07
POLY-3 PERCENT (g)	20.2%	36.3%	33.3%	19.5%
TERMINAL (d)	7/38 (18%)	14/39 (36%)	11/37 (30%)	7/37 (19%)
FIRST INCIDENCE	675	550	549	537
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.183N	P=0.067	P=0.120	P=0.575N
POLY 1.5	P=0.188N	P=0.062	P=0.111	P=0.583N
POLY 6	P=0.182N	P=0.070	P=0.131	P=0.571N
COCH-ARM / FISHERS	P=0.206N	P=0.055	P=0.109	P=0.602N
MAX-ISO-POLY-3	P=0.217N	P=0.044*	P=0.080	P=0.470N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/44 (0%)	0/44 (0%)	0/47 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/39.27	0/40.05	0/42.85	0/41.81
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	0/37 (0%)	0/34 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/44 (11%)	5/44 (11%)	8/47 (17%)	9/46 (20%)
POLY-3 RATE (b)	5/41.81	5/41.87	8/43.99	9/44.67
POLY-3 PERCENT (g)	12%	11.9%	18.2%	20.2%
TERMINAL (d)	0/33 (0%)	1/35 (3%)	4/37 (11%)	1/34 (3%)
FIRST INCIDENCE	484	481	549	537
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.164	P=0.630N	P=0.308	P=0.230
POLY 1.5	P=0.159	P=0.630N	P=0.306	P=0.225
POLY 6	P=0.171	P=0.630N	P=0.312	P=0.237
COCH-ARM / FISHERS	P=0.151	P=0.631N	P=0.320	P=0.218
MAX-ISO-POLY-3	P=0.248	P=0.498N	P=0.214	P=0.157

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/44 (2%)	3/44 (7%)	5/47 (11%)	5/46 (11%)
POLY-3 RATE (b)	1/39.27	3/40.05	5/42.85	5/41.81
POLY-3 PERCENT (g)	2.6%	7.5%	11.7%	12%
TERMINAL (d)	1/33 (3%)	3/35 (9%)	5/37 (14%)	5/34 (15%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.152	P=0.312	P=0.122	P=0.115
POLY 1.5	P=0.151	P=0.309	P=0.117	P=0.114
POLY 6	P=0.153	P=0.314	P=0.127	P=0.116
COCH-ARM / FISHERS	P=0.148	P=0.308	P=0.117	P=0.112
MAX-ISO-POLY-3	P=0.112	P=0.161	P=0.060	P=0.055



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus</b>				
<b>Ectopic Parathyroid Gland</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/44 (2%)	2/44 (5%)	3/47 (6%)	0/46 (0%)
POLY-3 RATE (b)	1/39.29	2/40.05	3/42.85	0/41.81
POLY-3 PERCENT (g)	2.5%	5%	7%	0%
TERMINAL (d)	0/33 (0%)	2/35 (6%)	3/37 (8%)	0/34 (0%)
FIRST INCIDENCE	723	729 (T)	729 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.229N	P=0.507	P=0.337	P=0.488N
POLY 1.5	P=0.231N	P=0.504	P=0.330	P=0.489N
POLY 6	P=0.228N	P=0.509	P=0.344	P=0.487N
COCH-ARM / FISHERS	P=0.234N	P=0.500	P=0.334	P=0.489N
MAX-ISO-POLY-3	P=0.203N	P=0.288	P=0.182	P=0.156N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/44 (2%)	5/44 (11%)	0/47 (0%)	4/46 (9%)
POLY-3 RATE (b)	1/39.27	5/40.05	0/42.85	4/41.81
POLY-3 PERCENT (g)	2.6%	12.5%	0%	9.6%
TERMINAL (d)	1/33 (3%)	5/35 (14%)	0/37 (0%)	4/34 (12%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.322	P=0.104	P=0.483N	P=0.197
POLY 1.5	P=0.321	P=0.103	P=0.486N	P=0.195
POLY 6	P=0.323	P=0.106	P=0.478N	P=0.199
COCH-ARM / FISHERS	P=0.318	P=0.101	P=0.484N	P=0.195
MAX-ISO-POLY-3	P=0.156	P=0.047*	P=0.154N	P=0.099

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thyroid Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/47 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.42	0/44.33	0/41.83	0/44.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/38 (0%)	0/35 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thyroid Gland: Follicular Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/47 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.42	0/44.33	0/41.83	0/44.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/38 (0%)	0/35 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Tooth Dysplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/5 (80%)	9/10 (90%)	7/8 (88%)	3/5 (60%)
POLY-3 RATE (b)	4/5.00	9/9.30	7/7.87	3/5.00
POLY-3 PERCENT (g)	80%	96.8%	88.9%	60%
TERMINAL (d)	3/4 (75%)	8/8 (100%)	7/7 (100%)	3/5 (60%)
FIRST INCIDENCE	618	550	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.146N	P=0.462	P=0.638	P=0.500N
POLY 1.5	P=0.171N	P=0.523	P=0.645	P=0.500N
POLY 6	P=0.123N	P=0.402	P=0.622	P=0.500N
COCH-ARM / FISHERS	P=0.214N	P=0.571	P=0.641	P=0.500N
MAX-ISO-POLY-3	P=0.125N	P=0.159	P=0.350	P=0.264N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Tooth Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/5 (0%)	0/10 (0%)	1/8 (13%)	2/5 (40%)
POLY-3 RATE (b)	0/4.61	0/8.73	1/8.00	2/5.00
POLY-3 PERCENT (g)	0%	0%	12.5%	40%
TERMINAL (d)	0/4 (0%)	0/8 (0%)	0/7 (0%)	2/5 (40%)
FIRST INCIDENCE	---	---	697	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.031*	(e)	P=0.607	P=0.227
POLY 1.5	P=0.028*	(e)	P=0.600	P=0.218
POLY 6	P=0.035*	(e)	P=0.616	P=0.242
COCH-ARM / FISHERS	P=0.030*	(e)	P=0.615	P=0.222
MAX-ISO-POLY-3	P=0.039*	(e)	P=0.259	P=0.066

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Tooth Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/5 (0%)	2/10 (20%)	0/8 (0%)	0/5 (0%)
POLY-3 RATE (b)	0/4.61	2/10.00	0/7.87	0/5.00
POLY-3 PERCENT (g)	0%	20%	0%	0%
TERMINAL (d)	0/4 (0%)	0/8 (0%)	0/7 (0%)	0/5 (0%)
FIRST INCIDENCE	---	487	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.436N	P=0.419	(e)	(e)
POLY 1.5	P=0.442N	P=0.409	(e)	(e)
POLY 6	P=0.427N	P=0.433	(e)	(e)
COCH-ARM / FISHERS	P=0.450N	P=0.429	(e)	(e)
MAX-ISO-POLY-3	P=0.358N	P=0.204	(e)	(e)

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
Time Report Requested: 13:50:12  
First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Trachea: Cartilage Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/46 (2%)	0/50 (0%)	1/47 (2%)	1/48 (2%)
POLY-3 RATE (b)	1/41.58	0/45.33	1/41.83	1/44.13
POLY-3 PERCENT (g)	2.4%	0%	2.4%	2.3%
TERMINAL (d)	1/36 (3%)	0/39 (0%)	1/35 (3%)	1/37 (3%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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

Metal Working Fluids: Trim VX

CAS Number: TRIMVX

Date Report Requested: 02/02/2015

Time Report Requested: 13:50:12

First Dose M/F: 08/03/09 / 08/03/09

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<hr/>				
Trachea: Epithelium Degeneration				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/46 (0%)	0/50 (0%)	0/47 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/41.58	0/45.33	0/41.83	0/44.13
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/35 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Trachea: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/46 (0%)	0/50 (0%)	0/47 (0%)	3/48 (6%)
POLY-3 RATE (b)	0/41.58	0/45.33	0/41.83	3/45.08
POLY-3 PERCENT (g)	0%	0%	0%	6.7%
TERMINAL (d)	0/36 (0%)	0/39 (0%)	0/35 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	424
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.009**	(e)	(e)	P=0.133
POLY 1.5	P=0.008**	(e)	(e)	P=0.131
POLY 6	P=0.009**	(e)	(e)	P=0.135
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.129
MAX-ISO-POLY-3	P=0.014*	(e)	(e)	P=0.049*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Urinary Bladder Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	0/43.83	0/45.40
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Urinary Bladder Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.42	0/45.33	1/43.95	0/45.40
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/39 (0%)	0/37 (0%)	0/37 (0%)
FIRST INCIDENCE	---	---	697	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex</b>				
<b>Accessory Adrenal Cortical Nodule</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	2/43.88	2/44.81	3/45.72	1/43.24
POLY-3 PERCENT (g)	4.6%	4.5%	6.6%	2.3%
TERMINAL (d)	2/35 (6%)	1/36 (3%)	3/36 (8%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	697	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.387N	P=0.686N	P=0.519	P=0.505N
POLY 1.5	P=0.384N	P=0.689N	P=0.509	P=0.505N
POLY 6	P=0.393N	P=0.682N	P=0.531	P=0.507N
COCH-ARM / FISHERS	P=0.374N	P=0.691N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.423N	P=0.491N	P=0.343	P=0.286N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/43.88	3/45.11	2/45.81	2/43.24
POLY-3 PERCENT (g)	0%	6.7%	4.4%	4.6%
TERMINAL (d)	0/35 (0%)	2/36 (6%)	1/36 (3%)	2/30 (7%)
FIRST INCIDENCE	---	607	707	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.451	P=0.124	P=0.247	P=0.234
POLY 1.5	P=0.452	P=0.122	P=0.242	P=0.234
POLY 6	P=0.446	P=0.126	P=0.254	P=0.232
COCH-ARM / FISHERS	P=0.461	P=0.121	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.178	P=0.042*	P=0.085	P=0.076

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	6/50 (12%)	2/50 (4%)	7/50 (14%)
POLY-3 RATE (b)	6/43.88	6/45.19	2/45.72	7/43.26
POLY-3 PERCENT (g)	13.7%	13.3%	4.4%	16.2%
TERMINAL (d)	6/35 (17%)	5/36 (14%)	2/36 (6%)	6/30 (20%)
FIRST INCIDENCE	731 (T)	575	731 (T)	725
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.367	P=0.600N	P=0.120N	P=0.489
POLY 1.5	P=0.372	P=0.609N	P=0.127N	P=0.490
POLY 6	P=0.357	P=0.589N	P=0.111N	P=0.484
COCH-ARM / FISHERS	P=0.387	P=0.620N	P=0.134N	P=0.500
MAX-ISO-POLY-3	P=0.333	P=0.477N	P=0.064N	P=0.371

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Cortex Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	8/50 (16%)	13/50 (26%)	10/50 (20%)
POLY-3 RATE (b)	14/45.11	8/45.20	13/46.14	10/43.79
POLY-3 PERCENT (g)	31%	17.7%	28.2%	22.8%
TERMINAL (d)	12/35 (34%)	6/36 (17%)	11/36 (31%)	8/30 (27%)
FIRST INCIDENCE	481	619	637	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.420N	P=0.107N	P=0.472N	P=0.263N
POLY 1.5	P=0.411N	P=0.110N	P=0.490N	P=0.259N
POLY 6	P=0.435N	P=0.102N	P=0.444N	P=0.268N
COCH-ARM / FISHERS	P=0.383N	P=0.114N	P=0.500N	P=0.241N
MAX-ISO-POLY-3	P=0.309N	P=0.068N	P=0.382N	P=0.195N



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Medulla</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Adrenal Medulla Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	7/50 (14%)	5/50 (10%)	5/50 (10%)
POLY-3 RATE (b)	11/44.61	7/44.68	5/45.78	5/43.24
POLY-3 PERCENT (g)	24.7%	15.7%	10.9%	11.6%
TERMINAL (d)	9/35 (26%)	7/36 (19%)	4/36 (11%)	5/30 (17%)
FIRST INCIDENCE	575	731 (T)	715	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.130N	P=0.213N	P=0.074N	P=0.092N
POLY 1.5	P=0.127N	P=0.214N	P=0.079N	P=0.091N
POLY 6	P=0.136N	P=0.212N	P=0.067N	P=0.097N
COCH-ARM / FISHERS	P=0.119N	P=0.218N	P=0.086N	P=0.086N
MAX-ISO-POLY-3	P=0.072N	P=0.144N	P=0.044N*	P=0.056N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Bone Marrow Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.02	0/44.68	0/45.72	2/43.39
POLY-3 PERCENT (g)	0%	0%	0%	4.6%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	698
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040*	(e)	(e)	P=0.239
POLY 1.5	P=0.041*	(e)	(e)	P=0.239
POLY 6	P=0.040*	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	P=0.077

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
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Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Bone Marrow: Myeloid Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/43.66	0/44.68	4/46.02	1/43.65
POLY-3 PERCENT (g)	2.3%	0%	8.7%	2.3%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	2/36 (6%)	0/30 (0%)
FIRST INCIDENCE	522	---	675	612
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.590	P=0.495N	P=0.195	P=0.761
POLY 1.5	P=0.591	P=0.496N	P=0.190	P=0.760N
POLY 6	P=0.585	P=0.495N	P=0.203	P=0.759
COCH-ARM / FISHERS	P=0.601	P=0.495N	P=0.187	P=0.747N
MAX-ISO-POLY-3	P=0.205	P=0.157N	P=0.098	P=0.499

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Bone</b>				
<b>Fibro-osseous Lesion</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	10/50 (20%)	12/50 (24%)	9/50 (18%)
POLY-3 RATE (b)	6/44.24	10/44.68	12/45.84	9/43.63
POLY-3 PERCENT (g)	13.6%	22.4%	26.2%	20.6%
TERMINAL (d)	5/35 (14%)	10/36 (28%)	10/36 (28%)	6/30 (20%)
FIRST INCIDENCE	628	731 (T)	707	668
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.418	P=0.209	P=0.107	P=0.275
POLY 1.5	P=0.421	P=0.209	P=0.100	P=0.277
POLY 6	P=0.410	P=0.210	P=0.117	P=0.271
COCH-ARM / FISHERS	P=0.442	P=0.207	P=0.096	P=0.288
MAX-ISO-POLY-3	P=0.209	P=0.140	P=0.069	P=0.191

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain Compression</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	5/44.82	1/44.68	1/45.72	3/43.24
POLY-3 PERCENT (g)	11.2%	2.2%	2.2%	6.9%
TERMINAL (d)	3/35 (9%)	1/36 (3%)	1/36 (3%)	3/30 (10%)
FIRST INCIDENCE	522	731 (T)	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.594N	P=0.102N	P=0.097N	P=0.376N
POLY 1.5	P=0.590N	P=0.102N	P=0.100N	P=0.371N
POLY 6	P=0.600N	P=0.102N	P=0.093N	P=0.386N
COCH-ARM / FISHERS	P=0.580N	P=0.102N	P=0.102N	P=0.357N
MAX-ISO-POLY-3	P=0.111N	P=0.045N*	P=0.043N*	P=0.251N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.45	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	1/35 (3%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	550	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.262N	P=0.236N	P=0.231N	P=0.243N
POLY 1.5	P=0.261N	P=0.237N	P=0.234N	P=0.242N
POLY 6	P=0.263N	P=0.235N	P=0.226N	P=0.246N
COCH-ARM / FISHERS	P=0.260N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.039N*	P=0.076N	P=0.076N	P=0.082N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain</b>				
<b>Infiltration Cellular</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	1/44.68	3/45.72	0/43.24
POLY-3 PERCENT (g)	0%	2.2%	6.6%	0%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	3/36 (8%)	0/30 (0%)
FIRST INCIDENCE	---	731 (T)	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.487N	P=0.504	P=0.126	(e)
POLY 1.5	P=0.486N	P=0.502	P=0.122	(e)
POLY 6	P=0.491N	P=0.506	P=0.131	(e)
COCH-ARM / FISHERS	P=0.478N	P=0.500	P=0.121	(e)
MAX-ISO-POLY-3	P=0.239	P=0.163	P=0.044*	(e)



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Brain</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/44.59	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	6.7%	0%	0%	0%
TERMINAL (d)	2/35 (6%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	481	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.146N	P=0.118N	P=0.114N	P=0.124N
POLY 1.5	P=0.145N	P=0.119N	P=0.117N	P=0.123N
POLY 6	P=0.148N	P=0.117N	P=0.110N	P=0.126N
COCH-ARM / FISHERS	P=0.147N	P=0.121N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.012N*	P=0.038N*	P=0.038N*	P=0.042N*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Eye</b>				
Inflammation Chronic				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.02	0/44.68	1/45.72	1/43.24
POLY-3 PERCENT (g)	0%	0%	2.2%	2.3%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	---	---	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Gallbladder</b>				
<b>Vacuolization Cytoplasmic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/46 (0%)	0/46 (0%)	1/44 (2%)	0/44 (0%)
POLY-3 RATE (b)	0/41.28	0/41.92	1/40.74	0/38.55
POLY-3 PERCENT (g)	0%	0%	2.5%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	1/35 (3%)	0/30 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Harderian Gland Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	2/49 (4%)	2/49 (4%)	1/49 (2%)
POLY-3 RATE (b)	3/43.92	2/43.72	2/45.12	1/43.38
POLY-3 PERCENT (g)	6.8%	4.6%	4.4%	2.3%
TERMINAL (d)	2/35 (6%)	2/36 (6%)	1/36 (3%)	0/30 (0%)
FIRST INCIDENCE	721	731 (T)	637	319
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.280N	P=0.502N	P=0.488N	P=0.309N
POLY 1.5	P=0.280N	P=0.505N	P=0.499N	P=0.312N
POLY 6	P=0.283N	P=0.498N	P=0.473N	P=0.309N
COCH-ARM / FISHERS	P=0.278N	P=0.510N	P=0.510N	P=0.316N
MAX-ISO-POLY-3	P=0.258N	P=0.326N	P=0.316N	P=0.157N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart</b>				
<b>Cardiomyopathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	12/50 (24%)	18/50 (36%)	12/49 (24%)	15/50 (30%)
POLY-3 RATE (b)	12/44.02	18/45.52	12/45.71	15/44.03
POLY-3 PERCENT (g)	27.3%	39.5%	26.3%	34.1%
TERMINAL (d)	11/35 (31%)	16/36 (44%)	10/36 (28%)	13/30 (43%)
FIRST INCIDENCE	694	575	675	557
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.467	P=0.154	P=0.552N	P=0.321
POLY 1.5	P=0.469	P=0.146	P=0.583N	P=0.318
POLY 6	P=0.457	P=0.166	P=0.513N	P=0.321
COCH-ARM / FISHERS	P=0.489	P=0.138	P=0.570	P=0.326
MAX-ISO-POLY-3	P=0.401	P=0.110	P=0.457N	P=0.243

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	5/50 (10%)	3/49 (6%)	6/50 (12%)
POLY-3 RATE (b)	1/44.59	5/44.71	3/45.41	6/44.42
POLY-3 PERCENT (g)	2.2%	11.2%	6.6%	13.5%
TERMINAL (d)	0/35 (0%)	4/36 (11%)	3/36 (8%)	4/30 (13%)
FIRST INCIDENCE	481	724	731 (T)	163
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.106	P=0.101	P=0.312	P=0.055
POLY 1.5	P=0.107	P=0.102	P=0.305	P=0.056
POLY 6	P=0.102	P=0.102	P=0.321	P=0.053
COCH-ARM / FISHERS	P=0.110	P=0.102	P=0.301	P=0.056
MAX-ISO-POLY-3	P=0.045*	P=0.045*	P=0.162	P=0.023*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/43.88	0/44.68	2/46.22	1/43.43
POLY-3 PERCENT (g)	0%	0%	4.3%	2.3%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	480	681
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.371	(e)	P=0.249	P=0.498
POLY 1.5	P=0.371	(e)	P=0.242	P=0.498
POLY 6	P=0.369	(e)	P=0.258	P=0.498
COCH-ARM / FISHERS	P=0.378	(e)	P=0.242	P=0.500
MAX-ISO-POLY-3	P=0.189	(e)	P=0.088	P=0.158

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Heart: Atrium Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.41	0/43.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Large, Cecum Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/46 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/43.88	1/43.72	0/43.76	0/39.30
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Large, Cecum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/49 (0%)	1/46 (2%)	1/45 (2%)
POLY-3 RATE (b)	2/44.74	0/43.72	1/43.76	1/39.30
POLY-3 PERCENT (g)	4.5%	0%	2.3%	2.5%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	481	---	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.662N	P=0.242N	P=0.508N	P=0.545N
POLY 1.5	P=0.662N	P=0.242N	P=0.516N	P=0.544N
POLY 6	P=0.664N	P=0.242N	P=0.498N	P=0.547N
COCH-ARM / FISHERS	P=0.657N	P=0.253N	P=0.532N	P=0.540N
MAX-ISO-POLY-3	P=0.330N	P=0.080N	P=0.289N	P=0.325N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Duodenum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/48 (2%)	3/46 (7%)	1/43 (2%)	0/45 (0%)
POLY-3 RATE (b)	1/42.97	3/42.94	1/41.18	0/39.30
POLY-3 PERCENT (g)	2.3%	7%	2.4%	0%
TERMINAL (d)	0/35 (0%)	3/36 (8%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	522	731 (T)	709	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.191N	P=0.305	P=0.751	P=0.518N
POLY 1.5	P=0.190N	P=0.300	P=0.745	P=0.517N
POLY 6	P=0.193N	P=0.310	P=0.758	P=0.519N
COCH-ARM / FISHERS	P=0.185N	P=0.292	P=0.725	P=0.516N
MAX-ISO-POLY-3	P=0.192N	P=0.156	P=0.487	P=0.177N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Ileum Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/48 (8%)	8/47 (17%)	4/44 (9%)	2/46 (4%)
POLY-3 RATE (b)	4/42.34	8/42.72	4/42.07	2/39.78
POLY-3 PERCENT (g)	9.5%	18.7%	9.5%	5%
TERMINAL (d)	4/35 (11%)	8/36 (22%)	4/36 (11%)	2/30 (7%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.126N	P=0.179	P=0.640	P=0.366N
POLY 1.5	P=0.124N	P=0.174	P=0.623	P=0.365N
POLY 6	P=0.129N	P=0.185	P=0.627N	P=0.369N
COCH-ARM / FISHERS	P=0.117N	P=0.167	P=0.593	P=0.359N
MAX-ISO-POLY-3	P=0.162N	P=0.111	P=0.496	P=0.227N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Ileum Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/48 (2%)	4/47 (9%)	0/44 (0%)	0/46 (0%)
POLY-3 RATE (b)	1/43.05	4/42.72	0/42.07	0/39.78
POLY-3 PERCENT (g)	2.3%	9.4%	0%	0%
TERMINAL (d)	0/35 (0%)	4/36 (11%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	481	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.128N	P=0.176	P=0.505N	P=0.516N
POLY 1.5	P=0.127N	P=0.174	P=0.510N	P=0.514N
POLY 6	P=0.129N	P=0.178	P=0.499N	P=0.518N
COCH-ARM / FISHERS	P=0.126N	P=0.174	P=0.522N	P=0.511N
MAX-ISO-POLY-3	P=0.105N	P=0.082	P=0.164N	P=0.175N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Intestine Small, Jejunum Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/48 (4%)	2/45 (4%)	1/45 (2%)	1/46 (2%)
POLY-3 RATE (b)	2/42.34	2/41.98	1/43.04	1/40.24
POLY-3 PERCENT (g)	4.7%	4.8%	2.3%	2.5%
TERMINAL (d)	2/35 (6%)	2/36 (6%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.411N	P=0.691	P=0.494N	P=0.518N
POLY 1.5	P=0.408N	P=0.683	P=0.505N	P=0.519N
POLY 6	P=0.415N	P=0.689N	P=0.482N	P=0.518N
COCH-ARM / FISHERS	P=0.398N	P=0.667	P=0.524N	P=0.516N
MAX-ISO-POLY-3	P=0.468N	P=0.496	P=0.280N	P=0.298N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Islets, Pancreatic Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	0/43.68	0/45.41	0/43.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/35 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	0/50 (0%)	0/49 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/43.02	0/44.68	0/45.41	2/43.46
POLY-3 PERCENT (g)	2.3%	0%	0%	4.6%
TERMINAL (d)	1/35 (3%)	0/36 (0%)	0/36 (0%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	---	---	672
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.184	P=0.492N	P=0.489N	P=0.504
POLY 1.5	P=0.185	P=0.494N	P=0.494N	P=0.503
POLY 6	P=0.181	P=0.491N	P=0.483N	P=0.502
COCH-ARM / FISHERS	P=0.189	P=0.495N	P=0.500N	P=0.508
MAX-ISO-POLY-3	P=0.138	P=0.157N	P=0.158N	P=0.283



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney</b>				
<b>Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/49 (4%)	4/50 (8%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.02	4/44.68	0/45.41	0/43.24
POLY-3 PERCENT (g)	4.7%	9%	0%	0%
TERMINAL (d)	2/35 (6%)	4/36 (11%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.073N	P=0.354	P=0.225N	P=0.236N
POLY 1.5	P=0.072N	P=0.352	P=0.231N	P=0.236N
POLY 6	P=0.074N	P=0.358	P=0.219N	P=0.237N
COCH-ARM / FISHERS	P=0.072N	P=0.349	P=0.247N	P=0.242N
MAX-ISO-POLY-3	P=0.065N	P=0.217	P=0.076N	P=0.076N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney</b>				
<b>Infarct Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/49 (8%)	5/50 (10%)	5/49 (10%)	0/50 (0%)
POLY-3 RATE (b)	4/43.02	5/44.71	5/45.41	0/43.24
POLY-3 PERCENT (g)	9.3%	11.2%	11%	0%
TERMINAL (d)	4/35 (11%)	4/36 (11%)	5/36 (14%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	724	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.036N*	P=0.524	P=0.534	P=0.059N
POLY 1.5	P=0.036N*	P=0.519	P=0.518	P=0.059N
POLY 6	P=0.037N*	P=0.530	P=0.553	P=0.060N
COCH-ARM / FISHERS	P=0.034N*	P=0.513	P=0.500	P=0.056N
MAX-ISO-POLY-3	P=0.058N	P=0.386	P=0.396	P=0.019N*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/50 (4%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.74	2/45.18	1/46.39	0/43.24
POLY-3 PERCENT (g)	2.3%	4.4%	2.2%	0%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	481	580	198	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.244N	P=0.511	P=0.747N	P=0.502N
POLY 1.5	P=0.242N	P=0.509	P=0.752N	P=0.501N
POLY 6	P=0.248N	P=0.514	P=0.742N	P=0.505N
COCH-ARM / FISHERS	P=0.234N	P=0.508	P=0.753N	P=0.495N
MAX-ISO-POLY-3	P=0.245N	P=0.292	P=0.483N	P=0.163N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney</b>				
<b>Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	2/50 (4%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.02	2/44.68	2/45.41	0/43.24
POLY-3 PERCENT (g)	0%	4.5%	4.4%	0%
TERMINAL (d)	0/35 (0%)	2/36 (6%)	2/36 (6%)	0/30 (0%)
FIRST INCIDENCE	---	731 (T)	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.376N	P=0.246	P=0.249	(e)
POLY 1.5	P=0.375N	P=0.244	P=0.244	(e)
POLY 6	P=0.380N	P=0.247	P=0.256	(e)
COCH-ARM / FISHERS	P=0.370N	P=0.253	P=0.247	(e)
MAX-ISO-POLY-3	P=0.289N	P=0.083	P=0.088	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Kidney Nephropathy</b>				
<b>LESION RATES</b>				
OVERALL (a)	38/49 (78%)	28/50 (56%)	26/49 (53%)	29/50 (58%)
POLY-3 RATE (b)	38/46.63	28/47.46	26/47.14	29/45.41
POLY-3 PERCENT (g)	81.5%	59%	55.2%	63.9%
TERMINAL (d)	29/35 (83%)	21/36 (58%)	19/36 (53%)	20/30 (67%)
FIRST INCIDENCE	481	479	198	557
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.231N	P=0.012N*	P=0.004N**	P=0.040N*
POLY 1.5	P=0.210N	P=0.014N*	P=0.005N**	P=0.037N*
POLY 6	P=0.260N	P=0.010N**	P=0.003N**	P=0.044N*
COCH-ARM / FISHERS	P=0.161N	P=0.019N*	P=0.009N**	P=0.031N*
MAX-ISO-POLY-3	P=0.019N*	P=0.006N**	P=0.002N**	P=0.025N*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Larynx</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	44/50 (88%)	50/50 (100%)	48/50 (96%)	47/50 (94%)
POLY-3 RATE (b)	44/49.50	50/50.00	48/49.66	47/49.36
POLY-3 PERCENT (g)	88.9%	100%	96.7%	95.2%
TERMINAL (d)	31/35 (89%)	36/36 (100%)	36/36 (100%)	30/30 (100%)
FIRST INCIDENCE	353	365	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.461	P=0.018*	P=0.123	P=0.203
POLY 1.5	P=0.498	P=0.017*	P=0.128	P=0.223
POLY 6	P=0.386	P=0.022*	P=0.116	P=0.167
COCH-ARM / FISHERS	P=0.532	P=0.013*	P=0.134	P=0.243
MAX-ISO-POLY-3	P=0.029*	P=0.005**	P=0.059	P=0.111

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Larynx Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	2/44.65	0/44.68	0/45.72	3/43.92
POLY-3 PERCENT (g)	4.5%	0%	0%	6.8%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	613	---	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.144	P=0.237N	P=0.232N	P=0.492
POLY 1.5	P=0.144	P=0.237N	P=0.235N	P=0.493
POLY 6	P=0.143	P=0.237N	P=0.228N	P=0.490
COCH-ARM / FISHERS	P=0.149	P=0.247N	P=0.247N	P=0.500
MAX-ISO-POLY-3	P=0.104	P=0.076N	P=0.076N	P=0.318

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Larynx: Epiglottis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	3/50 (6%)	16/50 (32%)	42/50 (84%)
POLY-3 RATE (b)	4/45.33	3/45.11	16/49.16	42/49.69
POLY-3 PERCENT (g)	8.8%	6.7%	32.6%	84.5%
TERMINAL (d)	0/35 (0%)	2/36 (6%)	5/36 (14%)	23/30 (77%)
FIRST INCIDENCE	575	607	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.503N	P=0.004**	P<0.001**
POLY 1.5	P<0.001**	P=0.501N	P=0.003**	P<0.001**
POLY 6	P<0.001**	P=0.506N	P=0.005**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.003**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.350N	P=0.002**	P<0.001**



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Larynx: Epiglottis Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	50/50 (100%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	0/43.88	50/50.00	50/50.00	50/50.00
POLY-3 PERCENT (g)	0%	100%	100%	100%
TERMINAL (d)	0/35 (0%)	36/36 (100%)	36/36 (100%)	30/30 (100%)
FIRST INCIDENCE	---	365	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.88	2/44.68	1/45.72	0/43.24
POLY-3 PERCENT (g)	2.3%	4.5%	2.2%	0%
TERMINAL (d)	1/35 (3%)	2/36 (6%)	1/36 (3%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.242N	P=0.506	P=0.751N	P=0.503N
POLY 1.5	P=0.241N	P=0.504	P=0.756N	P=0.503N
POLY 6	P=0.244N	P=0.510	P=0.745N	P=0.504N
COCH-ARM / FISHERS	P=0.237N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.242N	P=0.287	P=0.488N	P=0.162N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Basophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/50 (12%)	2/50 (4%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	6/44.42	2/44.68	2/45.72	4/43.38
POLY-3 PERCENT (g)	13.5%	4.5%	4.4%	9.2%
TERMINAL (d)	3/35 (9%)	2/36 (6%)	2/36 (6%)	3/30 (10%)
FIRST INCIDENCE	645	731 (T)	731 (T)	694
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.584N	P=0.130N	P=0.123N	P=0.384N
POLY 1.5	P=0.580N	P=0.131N	P=0.129N	P=0.381N
POLY 6	P=0.592N	P=0.130N	P=0.118N	P=0.392N
COCH-ARM / FISHERS	P=0.569N	P=0.134N	P=0.134N	P=0.370N
MAX-ISO-POLY-3	P=0.160N	P=0.068N	P=0.066N	P=0.267N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Clear Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	0/43.88	5/44.68	3/45.72	3/43.58
POLY-3 PERCENT (g)	0%	11.2%	6.6%	6.9%
TERMINAL (d)	0/35 (0%)	5/36 (14%)	3/36 (8%)	2/30 (7%)
FIRST INCIDENCE	---	731 (T)	731 (T)	635
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.431	P=0.032*	P=0.126	P=0.117
POLY 1.5	P=0.430	P=0.031*	P=0.122	P=0.117
POLY 6	P=0.429	P=0.032*	P=0.131	P=0.117
COCH-ARM / FISHERS	P=0.438	P=0.028*	P=0.121	P=0.121
MAX-ISO-POLY-3	P=0.091	P=0.011*	P=0.044*	P=0.038*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Eosinophilic Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	8/50 (16%)	7/50 (14%)	8/50 (16%)
POLY-3 RATE (b)	3/43.88	8/44.68	7/45.72	8/44.21
POLY-3 PERCENT (g)	6.8%	17.9%	15.3%	18.1%
TERMINAL (d)	3/35 (9%)	8/36 (22%)	7/36 (19%)	4/30 (13%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	557
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.215	P=0.103	P=0.174	P=0.099
POLY 1.5	P=0.212	P=0.101	P=0.166	P=0.098
POLY 6	P=0.218	P=0.105	P=0.185	P=0.101
COCH-ARM / FISHERS	P=0.217	P=0.100	P=0.159	P=0.100
MAX-ISO-POLY-3	P=0.111	P=0.057	P=0.105	P=0.054

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.88	2/45.40	1/45.78	0/43.24
POLY-3 PERCENT (g)	2.3%	4.4%	2.2%	0%
TERMINAL (d)	1/35 (3%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	619	715	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.243N	P=0.512	P=0.751N	P=0.503N
POLY 1.5	P=0.242N	P=0.507	P=0.756N	P=0.503N
POLY 6	P=0.245N	P=0.519	P=0.745N	P=0.504N
COCH-ARM / FISHERS	P=0.237N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.245N	P=0.293	P=0.487N	P=0.162N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	5/44.59	1/44.68	1/45.72	2/43.43
POLY-3 PERCENT (g)	11.2%	2.2%	2.2%	4.6%
TERMINAL (d)	4/35 (11%)	1/36 (3%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	481	731 (T)	731 (T)	681
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.371N	P=0.100N	P=0.095N	P=0.226N
POLY 1.5	P=0.369N	P=0.101N	P=0.099N	P=0.225N
POLY 6	P=0.376N	P=0.099N	P=0.090N	P=0.229N
COCH-ARM / FISHERS	P=0.362N	P=0.102N	P=0.102N	P=0.218N
MAX-ISO-POLY-3	P=0.067N	P=0.044N*	P=0.043N*	P=0.129N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Mixed Cell Focus</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/43.88	1/44.68	0/45.72	1/43.89
POLY-3 PERCENT (g)	2.3%	2.2%	0%	2.3%
TERMINAL (d)	1/35 (3%)	1/36 (3%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	---	513
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver</b>				
<b>Tension Lipidosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.88	4/45.18	0/45.72	0/43.24
POLY-3 PERCENT (g)	2.3%	8.9%	0%	0%
TERMINAL (d)	1/35 (3%)	3/36 (8%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	581	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.118N	P=0.187	P=0.492N	P=0.503N
POLY 1.5	P=0.118N	P=0.184	P=0.496N	P=0.503N
POLY 6	P=0.118N	P=0.192	P=0.486N	P=0.504N
COCH-ARM / FISHERS	P=0.120N	P=0.181	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.092N	P=0.092	P=0.158N	P=0.162N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	2/44.71
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	319
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.041*	(e)	(e)	P=0.241
POLY 1.5	P=0.041*	(e)	(e)	P=0.239
POLY 6	P=0.041*	(e)	(e)	P=0.242
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.038*	(e)	(e)	P=0.080

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.88	2/44.71	1/45.80	1/43.43
POLY-3 PERCENT (g)	0%	4.5%	2.2%	2.3%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	724	709	681
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.622	P=0.241	P=0.509	P=0.498
POLY 1.5	P=0.621	P=0.240	P=0.504	P=0.498
POLY 6	P=0.620	P=0.243	P=0.514	P=0.498
COCH-ARM / FISHERS	P=0.627	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.290	P=0.080	P=0.169	P=0.158

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	3/43.88	1/44.68	2/46.02	5/43.45
POLY-3 PERCENT (g)	6.8%	2.2%	4.4%	11.5%
TERMINAL (d)	3/35 (9%)	1/36 (3%)	0/36 (0%)	3/30 (10%)
FIRST INCIDENCE	731 (T)	731 (T)	655	694
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.109	P=0.299N	P=0.478N	P=0.350
POLY 1.5	P=0.111	P=0.302N	P=0.489N	P=0.350
POLY 6	P=0.106	P=0.295N	P=0.463N	P=0.349
COCH-ARM / FISHERS	P=0.116	P=0.309N	P=0.500N	P=0.357
MAX-ISO-POLY-3	P=0.143	P=0.151N	P=0.309N	P=0.227

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte, Centrilobular Fatty Change</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Liver: Hepatocyte, Centrilobular Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Fibrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	42/50 (84%)
POLY-3 RATE (b)	0/43.88	0/44.68	2/45.72	42/49.01
POLY-3 PERCENT (g)	0%	0%	4.4%	85.7%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	2/36 (6%)	27/30 (90%)
FIRST INCIDENCE	---	---	731 (T)	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.246	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.242	P<0.001**
POLY 6	P<0.001**	(e)	P=0.253	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.247	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.085	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Hemorrhage</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	1/44.72	2/46.43	0/43.24
POLY-3 PERCENT (g)	0%	2.2%	4.3%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	1/36 (3%)	0/30 (0%)
FIRST INCIDENCE	---	721	480	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.509N	P=0.504	P=0.250	(e)
POLY 1.5	P=0.508N	P=0.502	P=0.244	(e)
POLY 6	P=0.512N	P=0.506	P=0.258	(e)
COCH-ARM / FISHERS	P=0.502N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.348	P=0.163	P=0.088	(e)



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung</b>				
<b>Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	15/50 (30%)	48/50 (96%)
POLY-3 RATE (b)	1/43.88	4/45.99	15/46.79	48/49.50
POLY-3 PERCENT (g)	2.3%	8.7%	32.1%	97%
TERMINAL (d)	1/35 (3%)	1/36 (3%)	13/36 (36%)	30/30 (100%)
FIRST INCIDENCE	731 (T)	365	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.193	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.188	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.200	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.181	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.097	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	6/50 (12%)	26/50 (52%)	47/50 (94%)
POLY-3 RATE (b)	1/43.88	6/45.88	26/47.06	47/49.46
POLY-3 PERCENT (g)	2.3%	13.1%	55.3%	95%
TERMINAL (d)	1/35 (3%)	3/36 (8%)	23/36 (64%)	29/30 (97%)
FIRST INCIDENCE	731 (T)	580	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.063	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.060	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.068	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.056	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.030*	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Lung Pigmentation				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	1/43.24
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung Thrombosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.02	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	694	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung: Alveolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	43/50 (86%)
POLY-3 RATE (b)	0/43.88	0/44.68	2/45.81	43/48.36
POLY-3 PERCENT (g)	0%	0%	4.4%	88.9%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	1/36 (3%)	27/30 (90%)
FIRST INCIDENCE	---	---	707	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.247	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.242	P<0.001**
POLY 6	P<0.001**	(e)	P=0.254	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.247	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.085	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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Date Report Requested: 02/02/2015  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lung: Alveolar/Bronchiolar Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	3/50 (6%)	8/50 (16%)	45/50 (90%)
POLY-3 RATE (b)	0/43.88	3/44.98	8/46.70	45/49.21
POLY-3 PERCENT (g)	0%	6.7%	17.1%	91.5%
TERMINAL (d)	0/35 (0%)	2/36 (6%)	7/36 (19%)	29/30 (97%)
FIRST INCIDENCE	---	647	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.123	P=0.005**	P<0.001**
POLY 1.5	P<0.001**	P=0.121	P=0.004**	P<0.001**
POLY 6	P<0.001**	P=0.126	P=0.005**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.121	P=0.003**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.042*	P=0.002**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Bronchial Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/44 (14%)	4/44 (9%)	9/44 (20%)	9/43 (21%)
POLY-3 RATE (b)	6/38.48	4/38.71	9/41.41	9/37.11
POLY-3 PERCENT (g)	15.6%	10.3%	21.7%	24.3%
TERMINAL (d)	6/31 (19%)	4/31 (13%)	9/32 (28%)	8/25 (32%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	612
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.122	P=0.364N	P=0.340	P=0.256
POLY 1.5	P=0.124	P=0.366N	P=0.319	P=0.257
POLY 6	P=0.118	P=0.363N	P=0.361	P=0.252
COCH-ARM / FISHERS	P=0.136	P=0.369N	P=0.286	P=0.269
MAX-ISO-POLY-3	P=0.170	P=0.248N	P=0.250	P=0.175

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Bronchial Infiltration Cellular Histiocyte</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/44 (2%)	0/44 (0%)	2/44 (5%)	4/43 (9%)
POLY-3 RATE (b)	1/38.48	0/38.71	2/41.41	4/37.02
POLY-3 PERCENT (g)	2.6%	0%	4.8%	10.8%
TERMINAL (d)	1/31 (3%)	0/31 (0%)	2/32 (6%)	1/25 (4%)
FIRST INCIDENCE	731 (T)	---	731 (T)	681
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.031*	P=0.499N	P=0.526	P=0.165
POLY 1.5	P=0.032*	P=0.499N	P=0.516	P=0.166
POLY 6	P=0.031*	P=0.499N	P=0.536	P=0.164
COCH-ARM / FISHERS	P=0.034*	P=0.500N	P=0.500	P=0.173
MAX-ISO-POLY-3	P=0.041*	P=0.158N	P=0.308	P=0.078



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mandibular Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/35 (11%)	1/42 (2%)	3/37 (8%)	1/39 (3%)
POLY-3 RATE (b)	4/31.66	1/37.11	3/33.10	1/33.83
POLY-3 PERCENT (g)	12.6%	2.7%	9.1%	3%
TERMINAL (d)	3/24 (13%)	1/29 (3%)	3/26 (12%)	0/23 (0%)
FIRST INCIDENCE	481	731 (T)	731 (T)	661
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.238N	P=0.131N	P=0.475N	P=0.155N
POLY 1.5	P=0.237N	P=0.130N	P=0.478N	P=0.153N
POLY 6	P=0.243N	P=0.130N	P=0.467N	P=0.159N
COCH-ARM / FISHERS	P=0.231N	P=0.128N	P=0.468N	P=0.147N
MAX-ISO-POLY-3	P=0.094N	P=0.061N	P=0.324N	P=0.070N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mediastinal Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/40 (5%)	4/44 (9%)	7/45 (16%)	5/45 (11%)
POLY-3 RATE (b)	2/36.31	4/39.18	7/41.06	5/39.03
POLY-3 PERCENT (g)	5.5%	10.2%	17.1%	12.8%
TERMINAL (d)	2/30 (7%)	4/31 (13%)	7/33 (21%)	4/26 (15%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	668
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.306	P=0.372	P=0.109	P=0.244
POLY 1.5	P=0.314	P=0.375	P=0.107	P=0.250
POLY 6	P=0.294	P=0.369	P=0.113	P=0.236
COCH-ARM / FISHERS	P=0.338	P=0.385	P=0.109	P=0.268
MAX-ISO-POLY-3	P=0.165	P=0.230	P=0.061	P=0.139

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mesenteric Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	3/49 (6%)	2/47 (4%)	1/48 (2%)
POLY-3 RATE (b)	0/43.59	3/44.07	2/44.45	1/41.49
POLY-3 PERCENT (g)	0%	6.8%	4.5%	2.4%
TERMINAL (d)	0/35 (0%)	3/36 (8%)	2/36 (6%)	1/30 (3%)
FIRST INCIDENCE	---	731 (T)	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.583N	P=0.120	P=0.241	P=0.490
POLY 1.5	P=0.580N	P=0.120	P=0.236	P=0.491
POLY 6	P=0.587N	P=0.122	P=0.248	P=0.488
COCH-ARM / FISHERS	P=0.569N	P=0.121	P=0.237	P=0.495
MAX-ISO-POLY-3	P=0.211	P=0.039*	P=0.082	P=0.157

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mesenteric Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/49 (0%)	1/47 (2%)	1/48 (2%)
POLY-3 RATE (b)	0/43.59	0/44.07	1/44.45	1/41.49
POLY-3 PERCENT (g)	0%	0%	2.3%	2.4%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	---	---	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node, Mesenteric Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/49 (22%)	7/49 (14%)	12/47 (26%)	4/48 (8%)
POLY-3 RATE (b)	11/43.59	7/44.11	12/44.45	4/41.49
POLY-3 PERCENT (g)	25.2%	15.9%	27%	9.6%
TERMINAL (d)	11/35 (31%)	6/36 (17%)	12/36 (33%)	4/30 (13%)
FIRST INCIDENCE	731 (T)	721	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.075N	P=0.205N	P=0.522	P=0.052N
POLY 1.5	P=0.072N	P=0.211N	P=0.495	P=0.052N
POLY 6	P=0.079N	P=0.196N	P=0.554	P=0.052N
COCH-ARM / FISHERS	P=0.065N	P=0.217N	P=0.454	P=0.049N*
MAX-ISO-POLY-3	P=0.062N	P=0.139N	P=0.425	P=0.030N*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Lymph Node: Lumbar Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/11 (9%)	3/11 (27%)	1/11 (9%)	1/10 (10%)
POLY-3 RATE (b)	1/8.02	3/9.24	1/10.26	1/7.18
POLY-3 PERCENT (g)	12.5%	32.5%	9.7%	13.9%
TERMINAL (d)	1/4 (25%)	3/8 (38%)	1/7 (14%)	1/4 (25%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.482N	P=0.342	P=0.705N	P=0.742
POLY 1.5	P=0.489N	P=0.311	P=0.731N	P=0.732
POLY 6	P=0.470N	P=0.408	P=0.667N	P=0.762
COCH-ARM / FISHERS	P=0.469N	P=0.293	P=0.762N	P=0.738
MAX-ISO-POLY-3	P=0.470N	P=0.182	P=0.436N	P=0.467

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Mesentery Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/10 (20%)	1/10 (10%)	0/5 (0%)	0/11 (0%)
POLY-3 RATE (b)	2/8.97	1/9.37	0/5.00	0/9.85
POLY-3 PERCENT (g)	22.3%	10.7%	0%	0%
TERMINAL (d)	1/6 (17%)	1/6 (17%)	0/5 (0%)	0/4 (0%)
FIRST INCIDENCE	481	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.176N	P=0.484N	P=0.366N	P=0.202N
POLY 1.5	P=0.173N	P=0.491N	P=0.380N	P=0.203N
POLY 6	P=0.182N	P=0.476N	P=0.344N	P=0.206N
COCH-ARM / FISHERS	P=0.167N	P=0.500N	P=0.429N	P=0.214N
MAX-ISO-POLY-3	P=0.085N	P=0.263N	P=0.153N	P=0.059N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Mesentery: Fat Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/10 (60%)	9/10 (90%)	5/5 (100%)	6/11 (55%)
POLY-3 RATE (b)	6/8.93	9/9.83	5/5.00	6/10.25
POLY-3 PERCENT (g)	67.2%	91.5%	100%	58.6%
TERMINAL (d)	4/6 (67%)	6/6 (100%)	5/5 (100%)	3/4 (75%)
FIRST INCIDENCE	597	647	731 (T)	681
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.144N	P=0.217	P=0.203	P=0.533N
POLY 1.5	P=0.152N	P=0.185	P=0.172	P=0.543N
POLY 6	P=0.158N	P=0.253	P=0.252	P=0.549N
COCH-ARM / FISHERS	P=0.191N	P=0.152	P=0.154	P=0.575N
MAX-ISO-POLY-3	P=0.142N	P=0.091	P=0.076	P=0.353N



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose Exudate</b>				
<b>LESION RATES</b>				
OVERALL (a)	8/50 (16%)	17/50 (34%)	48/50 (96%)	49/50 (98%)
POLY-3 RATE (b)	8/43.92	17/45.86	48/50.00	49/50.00
POLY-3 PERCENT (g)	18.2%	37.1%	96%	98%
TERMINAL (d)	7/35 (20%)	13/36 (36%)	34/36 (94%)	29/30 (97%)
FIRST INCIDENCE	721	575	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.037*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.034*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.041*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.032*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.023*	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/50 (8%)	25/50 (50%)	49/50 (98%)	49/50 (98%)
POLY-3 RATE (b)	4/45.40	25/46.99	49/49.72	49/49.01
POLY-3 PERCENT (g)	8.8%	53.2%	98.6%	100%
TERMINAL (d)	2/35 (6%)	18/36 (50%)	36/36 (100%)	30/30 (100%)
FIRST INCIDENCE	353	575	198	319
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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

Metal Working Fluids: Trim VX

CAS Number: TRIMVX

Date Report Requested: 02/02/2015

Time Report Requested: 13:50:12

First Dose M/F: 08/03/09 / 08/03/09

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<hr/>				
Nose: Goblet Cell Hyperplasia				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	2/43.65
POLY-3 PERCENT (g)	0%	0%	0%	4.6%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	612
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040*	(e)	(e)	P=0.236
POLY 1.5	P=0.040*	(e)	(e)	P=0.235
POLY 6	P=0.040*	(e)	(e)	P=0.236
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	P=0.076

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
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 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Lateral Wall Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	2/45.01	0/45.72	0/43.24
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	640	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.386N	P=0.243	(e)	(e)
POLY 1.5	P=0.386N	P=0.240	(e)	(e)
POLY 6	P=0.385N	P=0.246	(e)	(e)
COCH-ARM / FISHERS	P=0.387N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.264N	P=0.081	(e)	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
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**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Nasolacrimal Duct Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/44.51	0/44.68	2/45.81	0/43.24
POLY-3 PERCENT (g)	4.5%	0%	4.4%	0%
TERMINAL (d)	1/35 (3%)	0/36 (0%)	1/36 (3%)	0/30 (0%)
FIRST INCIDENCE	522	---	707	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.292N	P=0.236N	P=0.684N	P=0.244N
POLY 1.5	P=0.289N	P=0.237N	P=0.689N	P=0.242N
POLY 6	P=0.296N	P=0.235N	P=0.675N	P=0.246N
COCH-ARM / FISHERS	P=0.283N	P=0.247N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.133N	P=0.076N	P=0.488N	P=0.082N

Experiment Number: 20523 - 04  
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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Nasopharyngeal Duct Perforation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	14/50 (28%)	17/50 (34%)
POLY-3 RATE (b)	0/43.88	0/44.68	14/47.05	17/44.80
POLY-3 PERCENT (g)	0%	0%	29.8%	38%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	10/36 (28%)	12/30 (40%)
FIRST INCIDENCE	---	---	493	557
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Olfactory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	48/50 (96%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	14/45.13	48/49.12	50/50.00	50/50.00
POLY-3 PERCENT (g)	31%	97.7%	100%	100%
TERMINAL (d)	11/35 (31%)	35/36 (97%)	36/36 (100%)	30/30 (100%)
FIRST INCIDENCE	522	479	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Olfactory Epithelium Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	1/43.88	2/44.98	1/45.72	5/43.48
POLY-3 PERCENT (g)	2.3%	4.5%	2.2%	11.5%
TERMINAL (d)	1/35 (3%)	1/36 (3%)	1/36 (3%)	4/30 (13%)
FIRST INCIDENCE	731 (T)	647	731 (T)	668
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.037*	P=0.509	P=0.751N	P=0.099
POLY 1.5	P=0.038*	P=0.505	P=0.756N	P=0.099
POLY 6	P=0.036*	P=0.514	P=0.745N	P=0.097
COCH-ARM / FISHERS	P=0.041*	P=0.500	P=0.753N	P=0.102
MAX-ISO-POLY-3	P=0.041*	P=0.290	P=0.488N	P=0.043*



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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Olfactory Epithelium Metaplasia Respiratory</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	2/43.88	2/45.40	1/45.72	4/44.54
POLY-3 PERCENT (g)	4.6%	4.4%	2.2%	9%
TERMINAL (d)	2/35 (6%)	1/36 (3%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	479	731 (T)	319
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.191	P=0.682N	P=0.486N	P=0.344
POLY 1.5	P=0.191	P=0.686N	P=0.493N	P=0.340
POLY 6	P=0.189	P=0.676N	P=0.476N	P=0.346
COCH-ARM / FISHERS	P=0.192	P=0.691N	P=0.500N	P=0.339
MAX-ISO-POLY-3	P=0.215	P=0.486N	P=0.272N	P=0.207

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Accumulation, Hyaline Droplet</b>				
<b>LESION RATES</b>				
OVERALL (a)	23/50 (46%)	50/50 (100%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	23/46.55	50/50.00	50/50.00	50/50.00
POLY-3 PERCENT (g)	49.4%	100%	100%	100%
TERMINAL (d)	16/35 (46%)	36/36 (100%)	36/36 (100%)	30/30 (100%)
FIRST INCIDENCE	522	365	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	28/50 (56%)	39/50 (78%)
POLY-3 RATE (b)	1/43.88	2/44.68	28/47.23	39/48.17
POLY-3 PERCENT (g)	2.3%	4.5%	59.3%	81%
TERMINAL (d)	1/35 (3%)	2/36 (6%)	21/36 (58%)	25/30 (83%)
FIRST INCIDENCE	731 (T)	731 (T)	493	319
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.506	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.504	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.510	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.287	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	49/50 (98%)	44/50 (88%)	48/50 (96%)	49/50 (98%)
POLY-3 RATE (b)	49/50.00	44/48.62	48/49.98	49/50.00
POLY-3 PERCENT (g)	98%	90.5%	96.1%	98%
TERMINAL (d)	34/35 (97%)	32/36 (89%)	35/36 (97%)	29/30 (97%)
FIRST INCIDENCE	353	479	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.288	P=0.112N	P=0.506N	P=0.760
POLY 1.5	P=0.258	P=0.087N	P=0.503N	P=0.760
POLY 6	P=0.315	P=0.141N	P=0.511N	P=0.760
COCH-ARM / FISHERS	P=0.212	P=0.056N	P=0.500N	P=0.753N
MAX-ISO-POLY-3	P=0.285	P=0.050N*	P=0.284N	P=1.000

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Metaplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/43.88	2/45.31	2/46.11	2/43.55
POLY-3 PERCENT (g)	2.3%	4.4%	4.3%	4.6%
TERMINAL (d)	1/35 (3%)	0/36 (0%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	731 (T)	640	619	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.489	P=0.511	P=0.517	P=0.497
POLY 1.5	P=0.491	P=0.506	P=0.509	P=0.497
POLY 6	P=0.485	P=0.518	P=0.529	P=0.497
COCH-ARM / FISHERS	P=0.499	P=0.500	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.470	P=0.293	P=0.299	P=0.279

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Respiratory Epithelium Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	13/50 (26%)	23/50 (46%)
POLY-3 RATE (b)	0/43.88	2/45.31	13/47.02	23/45.74
POLY-3 PERCENT (g)	0%	4.4%	27.7%	50.3%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	10/36 (28%)	16/30 (53%)
FIRST INCIDENCE	---	640	493	319
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.244	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.241	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.249	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.083	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Turbinate Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	10/50 (20%)	19/50 (38%)
POLY-3 RATE (b)	0/43.88	0/44.68	10/45.78	19/44.59
POLY-3 PERCENT (g)	0%	0%	21.8%	42.6%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	9/36 (25%)	13/30 (43%)
FIRST INCIDENCE	---	---	715	557
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	P<0.001**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Nose: Turbinate Perforation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	0/43.88	0/44.68	6/45.97	6/43.37
POLY-3 PERCENT (g)	0%	0%	13.1%	13.8%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	4/36 (11%)	5/30 (17%)
FIRST INCIDENCE	---	---	675	698
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.005**	(e)	P=0.018*	P=0.014*
POLY 1.5	P=0.005**	(e)	P=0.017*	P=0.015*
POLY 6	P=0.004**	(e)	P=0.020*	P=0.014*
COCH-ARM / FISHERS	P=0.006**	(e)	P=0.013*	P=0.013*
MAX-ISO-POLY-3	P=0.008**	(e)	P=0.007**	P=0.004**



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Ovary</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	1/49 (2%)	0/49 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/43.88	1/43.68	0/44.80	3/43.24
POLY-3 PERCENT (g)	2.3%	2.3%	0%	6.9%
TERMINAL (d)	1/35 (3%)	1/35 (3%)	0/36 (0%)	3/30 (10%)
FIRST INCIDENCE	731 (T)	731 (T)	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.122	P=0.760	P=0.496N	P=0.300
POLY 1.5	P=0.123	P=0.758	P=0.500N	P=0.300
POLY 6	P=0.120	P=0.760N	P=0.490N	P=0.297
COCH-ARM / FISHERS	P=0.127	P=0.747	P=0.505N	P=0.309
MAX-ISO-POLY-3	P=0.108	P=0.498	P=0.160N	P=0.151

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Ovary Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	14/50 (28%)	8/49 (16%)	9/49 (18%)	8/50 (16%)
POLY-3 RATE (b)	14/45.14	8/44.79	9/44.80	8/43.71
POLY-3 PERCENT (g)	31%	17.9%	20.1%	18.3%
TERMINAL (d)	10/35 (29%)	6/35 (17%)	9/36 (25%)	5/30 (17%)
FIRST INCIDENCE	597	479	731 (T)	661
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.225N	P=0.112N	P=0.171N	P=0.125N
POLY 1.5	P=0.218N	P=0.116N	P=0.179N	P=0.122N
POLY 6	P=0.238N	P=0.111N	P=0.164N	P=0.133N
COCH-ARM / FISHERS	P=0.198N	P=0.124N	P=0.185N	P=0.114N
MAX-ISO-POLY-3	P=0.125N	P=0.072N	P=0.116N	P=0.084N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Ovary Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/49 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/44.74	1/43.68	2/44.80	0/43.24
POLY-3 PERCENT (g)	4.5%	2.3%	4.5%	0%
TERMINAL (d)	0/35 (0%)	1/35 (3%)	2/36 (6%)	0/30 (0%)
FIRST INCIDENCE	481	731 (T)	731 (T)	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.217N	P=0.508N	P=0.693N	P=0.245N
POLY 1.5	P=0.215N	P=0.508N	P=0.689	P=0.243N
POLY 6	P=0.221N	P=0.509N	P=0.687N	P=0.248N
COCH-ARM / FISHERS	P=0.208N	P=0.508N	P=0.684	P=0.247N
MAX-ISO-POLY-3	P=0.177N	P=0.289N	P=0.499N	P=0.083N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pancreas Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/44.63	1/44.68	1/45.62	1/43.58
POLY-3 PERCENT (g)	4.5%	2.2%	2.2%	2.3%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	481	731 (T)	675	635
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.507N	P=0.500N	P=0.492N	P=0.508N
POLY 1.5	P=0.505N	P=0.500N	P=0.500N	P=0.507N
POLY 6	P=0.510N	P=0.499N	P=0.482N	P=0.511N
COCH-ARM / FISHERS	P=0.498N	P=0.500N	P=0.508N	P=0.500N
MAX-ISO-POLY-3	P=0.432N	P=0.280N	P=0.277N	P=0.290N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pancreas Hypertrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.41	3/43.37
POLY-3 PERCENT (g)	0%	0%	0%	6.9%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	2/30 (7%)
FIRST INCIDENCE	---	---	---	698
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.008**	(e)	(e)	P=0.116
POLY 1.5	P=0.008**	(e)	(e)	P=0.116
POLY 6	P=0.007**	(e)	(e)	P=0.115
COCH-ARM / FISHERS	P=0.009**	(e)	(e)	P=0.121
MAX-ISO-POLY-3	P=0.010**	(e)	(e)	P=0.038*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pancreas</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/50 (0%)	3/49 (6%)	0/50 (0%)
POLY-3 RATE (b)	3/45.37	0/44.68	3/45.69	0/43.24
POLY-3 PERCENT (g)	6.6%	0%	6.6%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	1/36 (3%)	0/30 (0%)
FIRST INCIDENCE	481	---	675	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.195N	P=0.121N	P=0.659N	P=0.127N
POLY 1.5	P=0.192N	P=0.121N	P=0.658	P=0.125N
POLY 6	P=0.201N	P=0.122N	P=0.649N	P=0.131N
COCH-ARM / FISHERS	P=0.186N	P=0.121N	P=0.651	P=0.121N
MAX-ISO-POLY-3	P=0.074N	P=0.040N*	P=0.496N	P=0.045N*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pituitary Gland: Pars Distalis Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/48 (10%)	2/49 (4%)	2/49 (4%)	5/49 (10%)
POLY-3 RATE (b)	5/43.26	2/44.72	2/44.80	5/42.70
POLY-3 PERCENT (g)	11.6%	4.5%	4.5%	11.7%
TERMINAL (d)	4/35 (11%)	1/36 (3%)	2/36 (6%)	3/29 (10%)
FIRST INCIDENCE	481	688	731 (T)	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.332	P=0.202N	P=0.202N	P=0.623
POLY 1.5	P=0.338	P=0.204N	P=0.206N	P=0.627
POLY 6	P=0.324	P=0.201N	P=0.196N	P=0.614
COCH-ARM / FISHERS	P=0.355	P=0.209N	P=0.209N	P=0.617N
MAX-ISO-POLY-3	P=0.332	P=0.112N	P=0.112N	P=0.490

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
Time Report Requested: 13:50:12  
First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pituitary Gland: Pars Distalis Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	0/49 (0%)	0/49 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/42.55	0/44.55	0/44.80	1/42.24
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	1/29 (3%)
FIRST INCIDENCE	---	---	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Pituitary Gland: Pars Distalis Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/48 (23%)	17/49 (35%)	15/49 (31%)	10/49 (20%)
POLY-3 RATE (b)	11/42.55	17/44.55	15/44.80	10/43.11
POLY-3 PERCENT (g)	25.9%	38.2%	33.5%	23.2%
TERMINAL (d)	11/35 (31%)	17/36 (47%)	15/36 (42%)	7/29 (24%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	612
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.205N	P=0.156	P=0.292	P=0.486N
POLY 1.5	P=0.206N	P=0.154	P=0.277	P=0.489N
POLY 6	P=0.205N	P=0.155	P=0.311	P=0.487N
COCH-ARM / FISHERS	P=0.194N	P=0.146	P=0.266	P=0.479N
MAX-ISO-POLY-3	P=0.280N	P=0.111	P=0.223	P=0.386N

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
Time Report Requested: 13:50:12  
First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Cyst Epithelial Inclusion</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
Time Report Requested: 13:50:12  
First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Hyperplasia</b>				
<hr/>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	1/43.55
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	645
<hr/>				
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	2/50 (4%)	5/50 (10%)
POLY-3 RATE (b)	2/43.88	3/44.81	2/45.72	5/43.97
POLY-3 PERCENT (g)	4.6%	6.7%	4.4%	11.4%
TERMINAL (d)	2/35 (6%)	2/36 (6%)	2/36 (6%)	3/30 (10%)
FIRST INCIDENCE	731 (T)	697	731 (T)	612
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.149	P=0.510	P=0.679N	P=0.216
POLY 1.5	P=0.149	P=0.505	P=0.687N	P=0.214
POLY 6	P=0.148	P=0.515	P=0.669N	P=0.218
COCH-ARM / FISHERS	P=0.152	P=0.500	P=0.691N	P=0.218
MAX-ISO-POLY-3	P=0.168	P=0.333	P=0.483N	P=0.120

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Necrosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.88	0/44.68	0/45.72	1/43.65
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	---	---	612
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Skin</b>				
<b>Ulcer</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.88	2/44.81	0/45.72	0/43.24
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	---	697	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.386N	P=0.242	(e)	(e)
POLY 1.5	P=0.387N	P=0.240	(e)	(e)
POLY 6	P=0.386N	P=0.244	(e)	(e)
COCH-ARM / FISHERS	P=0.387N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.263N	P=0.080	(e)	(e)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Spleen</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	1/49 (2%)	2/48 (4%)	1/49 (2%)
POLY-3 RATE (b)	2/44.82	1/43.72	2/44.87	1/42.30
POLY-3 PERCENT (g)	4.5%	2.3%	4.5%	2.4%
TERMINAL (d)	0/35 (0%)	1/36 (3%)	1/36 (3%)	1/30 (3%)
FIRST INCIDENCE	550	731 (T)	619	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.498N	P=0.509N	P=0.693N	P=0.520N
POLY 1.5	P=0.494N	P=0.508N	P=0.687	P=0.516N
POLY 6	P=0.505N	P=0.510N	P=0.684N	P=0.527N
COCH-ARM / FISHERS	P=0.483N	P=0.508N	P=0.676	P=0.508N
MAX-ISO-POLY-3	P=0.484N	P=0.289N	P=0.499N	P=0.302N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Spleen</b>				
<b>Hematopoietic Cell Proliferation</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/50 (22%)	7/49 (14%)	11/48 (23%)	11/49 (22%)
POLY-3 RATE (b)	11/46.09	7/45.14	11/45.42	11/44.93
POLY-3 PERCENT (g)	23.9%	15.5%	24.2%	24.5%
TERMINAL (d)	5/35 (14%)	2/36 (6%)	6/36 (17%)	4/30 (13%)
FIRST INCIDENCE	481	580	649	319
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.363	P=0.230N	P=0.581	P=0.570
POLY 1.5	P=0.364	P=0.231N	P=0.564	P=0.569
POLY 6	P=0.353	P=0.225N	P=0.588N	P=0.566
COCH-ARM / FISHERS	P=0.371	P=0.232N	P=0.553	P=0.574
MAX-ISO-POLY-3	P=0.473	P=0.159N	P=0.484	P=0.472



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Spleen</b>				
<b>Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	20/50 (40%)	26/49 (53%)	17/48 (35%)	13/49 (27%)
POLY-3 RATE (b)	20/43.88	26/45.34	17/44.47	13/43.12
POLY-3 PERCENT (g)	45.6%	57.3%	38.2%	30.2%
TERMINAL (d)	20/35 (57%)	23/36 (64%)	17/36 (47%)	11/30 (37%)
FIRST INCIDENCE	731 (T)	479	731 (T)	557
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.018N*	P=0.178	P=0.312N	P=0.099N
POLY 1.5	P=0.020N*	P=0.158	P=0.353N	P=0.108N
POLY 6	P=0.017N*	P=0.209	P=0.262N	P=0.089N
COCH-ARM / FISHERS	P=0.020N*	P=0.135	P=0.398N	P=0.113N
MAX-ISO-POLY-3	P=0.029N*	P=0.132	P=0.244N	P=0.065N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Forestomach Hyperkeratosis</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/44.39	4/45.67	1/45.81	2/43.77
POLY-3 PERCENT (g)	4.5%	8.8%	2.2%	4.6%
TERMINAL (d)	1/35 (3%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	575	575	707	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.470N	P=0.350	P=0.489N	P=0.689
POLY 1.5	P=0.468N	P=0.345	P=0.495N	P=0.689
POLY 6	P=0.473N	P=0.359	P=0.481N	P=0.688
COCH-ARM / FISHERS	P=0.461N	P=0.339	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.393N	P=0.214	P=0.274N	P=0.493

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Forestomach Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	6/50 (12%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/45.09	6/45.02	1/45.81	2/43.55
POLY-3 PERCENT (g)	6.7%	13.3%	2.2%	4.6%
TERMINAL (d)	1/35 (3%)	3/36 (8%)	0/36 (0%)	1/30 (3%)
FIRST INCIDENCE	522	688	707	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.242N	P=0.241	P=0.300N	P=0.516N
POLY 1.5	P=0.238N	P=0.241	P=0.304N	P=0.512N
POLY 6	P=0.247N	P=0.242	P=0.293N	P=0.522N
COCH-ARM / FISHERS	P=0.230N	P=0.243	P=0.309N	P=0.500N
MAX-ISO-POLY-3	P=0.178N	P=0.145	P=0.152N	P=0.340N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Forestomach Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	5/50 (10%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	5/45.37	1/44.98	1/45.81	1/43.46
POLY-3 PERCENT (g)	11%	2.2%	2.2%	2.3%
TERMINAL (d)	2/35 (6%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	481	647	707	673
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.170N	P=0.103N	P=0.099N	P=0.111N
POLY 1.5	P=0.168N	P=0.103N	P=0.101N	P=0.109N
POLY 6	P=0.173N	P=0.103N	P=0.095N	P=0.115N
COCH-ARM / FISHERS	P=0.165N	P=0.102N	P=0.102N	P=0.102N
MAX-ISO-POLY-3	P=0.040N*	P=0.046N*	P=0.044N*	P=0.053N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Glandular Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	4/49 (8%)	3/50 (6%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	4/43.74	3/45.22	2/45.41	1/43.89
POLY-3 PERCENT (g)	9.2%	6.6%	4.4%	2.3%
TERMINAL (d)	3/35 (9%)	1/36 (3%)	2/36 (6%)	0/30 (0%)
FIRST INCIDENCE	481	575	731 (T)	513
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.153N	P=0.482N	P=0.320N	P=0.177N
POLY 1.5	P=0.151N	P=0.485N	P=0.329N	P=0.177N
POLY 6	P=0.156N	P=0.477N	P=0.309N	P=0.179N
COCH-ARM / FISHERS	P=0.145N	P=0.489N	P=0.339N	P=0.175N
MAX-ISO-POLY-3	P=0.136N	P=0.332N	P=0.191N	P=0.083N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Stomach, Glandular Mineralization</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/49 (2%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/43.02	2/44.68	0/45.41	0/43.24
POLY-3 PERCENT (g)	2.3%	4.5%	0%	0%
TERMINAL (d)	1/35 (3%)	2/36 (6%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.226N	P=0.513	P=0.489N	P=0.499N
POLY 1.5	P=0.225N	P=0.511	P=0.494N	P=0.499N
POLY 6	P=0.227N	P=0.516	P=0.483N	P=0.501N
COCH-ARM / FISHERS	P=0.222N	P=0.508	P=0.500N	P=0.495N
MAX-ISO-POLY-3	P=0.183N	P=0.294	P=0.158N	P=0.158N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/48 (0%)	2/48 (4%)	0/47 (0%)	3/49 (6%)
POLY-3 RATE (b)	0/41.88	2/43.11	0/42.80	3/42.37
POLY-3 PERCENT (g)	0%	4.6%	0%	7.1%
TERMINAL (d)	0/33 (0%)	2/35 (6%)	0/34 (0%)	3/30 (10%)
FIRST INCIDENCE	---	731 (T)	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.104	P=0.243	(e)	P=0.120
POLY 1.5	P=0.104	P=0.241	(e)	P=0.120
POLY 6	P=0.103	P=0.247	(e)	P=0.120
COCH-ARM / FISHERS	P=0.108	P=0.247	(e)	P=0.125
MAX-ISO-POLY-3	P=0.045*	P=0.082	(e)	P=0.039*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus Atrophy</b>				
<b>LESION RATES</b>				
OVERALL (a)	6/48 (13%)	1/48 (2%)	7/47 (15%)	4/49 (8%)
POLY-3 RATE (b)	6/43.95	1/43.13	7/45.38	4/42.73
POLY-3 PERCENT (g)	13.7%	2.3%	15.4%	9.4%
TERMINAL (d)	0/33 (0%)	0/35 (0%)	0/34 (0%)	1/30 (3%)
FIRST INCIDENCE	481	724	198	668
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.582N	P=0.058N	P=0.525	P=0.387N
POLY 1.5	P=0.573N	P=0.057N	P=0.509	P=0.378N
POLY 6	P=0.580	P=0.060N	P=0.544	P=0.400N
COCH-ARM / FISHERS	P=0.551N	P=0.056N	P=0.483	P=0.357N
MAX-ISO-POLY-3	P=0.404N	P=0.026N*	P=0.407	P=0.271N



Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus Cyst</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/48 (2%)	1/48 (2%)	1/47 (2%)	5/49 (10%)
POLY-3 RATE (b)	1/41.88	1/43.11	1/42.80	5/42.68
POLY-3 PERCENT (g)	2.4%	2.3%	2.3%	11.7%
TERMINAL (d)	1/33 (3%)	1/35 (3%)	1/34 (3%)	4/30 (13%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.019*	P=0.754N	P=0.756N	P=0.105
POLY 1.5	P=0.019*	P=0.757N	P=0.760	P=0.104
POLY 6	P=0.018*	P=0.751N	P=0.749N	P=0.105
COCH-ARM / FISHERS	P=0.021*	P=0.753N	P=0.747	P=0.107
MAX-ISO-POLY-3	P=0.030*	P=0.491N	P=0.493N	P=0.047*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus</b>				
<b>Ectopic Parathyroid Gland</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/48 (4%)	3/48 (6%)	5/47 (11%)	5/49 (10%)
POLY-3 RATE (b)	2/41.88	3/43.11	5/43.14	5/42.83
POLY-3 PERCENT (g)	4.8%	7%	11.6%	11.7%
TERMINAL (d)	2/33 (6%)	3/35 (9%)	4/34 (12%)	3/30 (10%)
FIRST INCIDENCE	731 (T)	731 (T)	637	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.208	P=0.513	P=0.228	P=0.224
POLY 1.5	P=0.208	P=0.508	P=0.217	P=0.222
POLY 6	P=0.207	P=0.521	P=0.242	P=0.227
COCH-ARM / FISHERS	P=0.215	P=0.500	P=0.209	P=0.226
MAX-ISO-POLY-3	P=0.220	P=0.337	P=0.132	P=0.126

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thymus Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	11/48 (23%)	15/48 (31%)	13/47 (28%)	11/49 (22%)
POLY-3 RATE (b)	11/41.88	15/43.11	13/42.80	11/42.37
POLY-3 PERCENT (g)	26.3%	34.8%	30.4%	26%
TERMINAL (d)	11/33 (33%)	15/35 (43%)	13/34 (38%)	11/30 (37%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.372N	P=0.267	P=0.429	P=0.586N
POLY 1.5	P=0.368N	P=0.257	P=0.405	P=0.586N
POLY 6	P=0.383N	P=0.281	P=0.463	P=0.589N
COCH-ARM / FISHERS	P=0.348N	P=0.246	P=0.384	P=0.574N
MAX-ISO-POLY-3	P=0.512N	P=0.199	P=0.339	P=0.487N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thyroid Gland Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	0/43.88	2/44.68	0/45.72	1/42.24
POLY-3 PERCENT (g)	0%	4.5%	0%	2.4%
TERMINAL (d)	0/35 (0%)	2/36 (6%)	0/36 (0%)	1/29 (3%)
FIRST INCIDENCE	---	731 (T)	---	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.610	P=0.241	(e)	P=0.492
POLY 1.5	P=0.610	P=0.240	(e)	P=0.493
POLY 6	P=0.607	P=0.243	(e)	P=0.491
COCH-ARM / FISHERS	P=0.614	P=0.247	(e)	P=0.495
MAX-ISO-POLY-3	P=0.331	P=0.080	(e)	P=0.157

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Thyroid Gland: Follicular Cell Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	2/49 (4%)
POLY-3 RATE (b)	3/44.18	0/44.68	2/45.72	2/42.24
POLY-3 PERCENT (g)	6.8%	0%	4.4%	4.7%
TERMINAL (d)	2/35 (6%)	0/36 (0%)	2/36 (6%)	2/29 (7%)
FIRST INCIDENCE	647	---	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.551	P=0.116N	P=0.484N	P=0.521N
POLY 1.5	P=0.555	P=0.117N	P=0.493N	P=0.518N
POLY 6	P=0.543	P=0.116N	P=0.474N	P=0.527N
COCH-ARM / FISHERS	P=0.566	P=0.121N	P=0.500N	P=0.510N
MAX-ISO-POLY-3	P=0.310N	P=0.038N*	P=0.313N	P=0.344N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Tooth Dysplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	1/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	0%	0%
TERMINAL (d)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	731 (T)	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Tooth Inflammation</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20523 - 04  
Test Type: CHRONIC  
Route: RESPIRATORY EXPOSURE WHOLE BODY  
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
Metal Working Fluids: Trim VX  
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Date Report Requested: 02/02/2015  
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First Dose M/F: 08/03/09 / 08/03/09  
Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
TERMINAL SACRIFICE AT 105 WEEKS**

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DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Tooth Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Trachea: Cartilage Metaplasia Osseous</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	4/49 (8%)
POLY-3 RATE (b)	0/42.88	0/44.68	2/46.14	4/43.08
POLY-3 PERCENT (g)	0%	0%	4.3%	9.3%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/36 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	637	681
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.010**	(e)	P=0.254	P=0.060
POLY 1.5	P=0.009**	(e)	P=0.248	P=0.060
POLY 6	P=0.010**	(e)	P=0.262	P=0.061
COCH-ARM / FISHERS	P=0.010**	(e)	P=0.253	P=0.059
MAX-ISO-POLY-3	P=0.014*	(e)	P=0.091	P=0.020*

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Trachea: Epithelium Degeneration</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/42.88	0/44.68	0/45.72	2/43.07
POLY-3 PERCENT (g)	0%	0%	0%	4.6%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/36 (0%)	1/30 (3%)
FIRST INCIDENCE	---	---	---	645
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.039*	(e)	(e)	P=0.238
POLY 1.5	P=0.039*	(e)	(e)	P=0.236
POLY 6	P=0.039*	(e)	(e)	P=0.239
COCH-ARM / FISHERS	P=0.041*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	P=0.077

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Trachea: Epithelium Hyperplasia</b>				
<b>LESION RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	5/49 (10%)
POLY-3 RATE (b)	0/42.88	0/44.68	1/46.43	5/43.19
POLY-3 PERCENT (g)	0%	0%	2.2%	11.6%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/36 (0%)	2/30 (7%)
FIRST INCIDENCE	---	---	480	668
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	(e)	P=0.516	P=0.031*
POLY 1.5	P<0.001**	(e)	P=0.510	P=0.030*
POLY 6	P<0.001**	(e)	P=0.523	P=0.031*
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.505	P=0.028*
MAX-ISO-POLY-3	P=0.002**	(e)	P=0.177	P=0.010**

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Urinary Bladder Hyperplasia Lymphoid</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	2/43.88	3/44.68	0/45.72	3/43.80
POLY-3 PERCENT (g)	4.6%	6.7%	0%	6.9%
TERMINAL (d)	2/35 (6%)	3/36 (8%)	0/36 (0%)	2/30 (7%)
FIRST INCIDENCE	731 (T)	731 (T)	---	557
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.444	P=0.508	P=0.228N	P=0.499
POLY 1.5	P=0.444	P=0.505	P=0.233N	P=0.497
POLY 6	P=0.441	P=0.513	P=0.222N	P=0.499
COCH-ARM / FISHERS	P=0.448	P=0.500	P=0.247N	P=0.500
MAX-ISO-POLY-3	P=0.392	P=0.332	P=0.076N	P=0.323

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Urinary Bladder Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.02	0/44.68	0/45.72	0/43.24
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	1/35 (3%)	0/36 (0%)	0/36 (0%)	0/30 (0%)
FIRST INCIDENCE	694	---	---	---
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.263N	P=0.234N	P=0.229N	P=0.241N
POLY 1.5	P=0.262N	P=0.235N	P=0.233N	P=0.241N
POLY 6	P=0.265N	P=0.232N	P=0.223N	P=0.243N
COCH-ARM / FISHERS	P=0.260N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.038N*	P=0.076N	P=0.076N	P=0.080N

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
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 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Uterus</b>				
<b>Angiectasis</b>				
<b>LESION RATES</b>				
OVERALL (a)	1/50 (2%)	4/50 (8%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	1/43.88	4/44.71	3/45.72	2/43.24
POLY-3 PERCENT (g)	2.3%	9%	6.6%	4.6%
TERMINAL (d)	1/35 (3%)	3/36 (8%)	3/36 (8%)	2/30 (7%)
FIRST INCIDENCE	731 (T)	724	731 (T)	731 (T)
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.560N	P=0.184	P=0.320	P=0.495
POLY 1.5	P=0.557N	P=0.182	P=0.312	P=0.495
POLY 6	P=0.565N	P=0.187	P=0.330	P=0.493
COCH-ARM / FISHERS	P=0.548N	P=0.181	P=0.309	P=0.500
MAX-ISO-POLY-3	P=0.306	P=0.089	P=0.170	P=0.277

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS  
 Metal Working Fluids: Trim VX  
 CAS Number: TRIMVX

Date Report Requested: 02/02/2015  
 Time Report Requested: 13:50:12  
 First Dose M/F: 08/03/09 / 08/03/09  
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Uterus</b>				
<b>Inflammation Chronic</b>				
<b>LESION RATES</b>				
OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	3/44.02	4/45.19	3/45.78	5/43.26
POLY-3 PERCENT (g)	6.8%	8.9%	6.6%	11.6%
TERMINAL (d)	2/35 (6%)	3/36 (8%)	2/36 (6%)	4/30 (13%)
FIRST INCIDENCE	694	575	715	725
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.299	P=0.514	P=0.644N	P=0.346
POLY 1.5	P=0.304	P=0.508	P=0.653N	P=0.348
POLY 6	P=0.290	P=0.521	P=0.632N	P=0.341
COCH-ARM / FISHERS	P=0.316	P=0.500	P=0.661N	P=0.357
MAX-ISO-POLY-3	P=0.355	P=0.362	P=0.480N	P=0.224

Experiment Number: 20523 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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

Metal Working Fluids: Trim VX

CAS Number: TRIMVX

Date Report Requested: 02/02/2015

Time Report Requested: 13:50:12

First Dose M/F: 08/03/09 / 08/03/09

Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
<b>Uterus: Endometrium Hyperplasia Cystic</b>				
<b>LESION RATES</b>				
OVERALL (a)	45/50 (90%)	35/50 (70%)	43/50 (86%)	43/50 (86%)
POLY-3 RATE (b)	45/49.32	35/48.74	43/48.70	43/49.26
POLY-3 PERCENT (g)	91.2%	71.8%	88.3%	87.3%
TERMINAL (d)	33/35 (94%)	26/36 (72%)	33/36 (92%)	27/30 (90%)
FIRST INCIDENCE	353	365	198	163
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.326	P=0.010N**	P=0.439N	P=0.374N
POLY 1.5	P=0.323	P=0.010N**	P=0.417N	P=0.377N
POLY 6	P=0.327	P=0.009N**	P=0.454N	P=0.371N
COCH-ARM / FISHERS	P=0.319	P=0.011N*	P=0.380N	P=0.380N
MAX-ISO-POLY-3	P=0.165N	P=0.004N**	P=0.308N	P=0.256N



**Experiment Number:** 20523 - 04  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** MICE/B6C3F1

**P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS**  
Metal Working Fluids: Trim VX  
**CAS Number:** TRIMVX

**Date Report Requested:** 02/02/2015  
**Time Report Requested:** 13:50:12  
**First Dose M/F:** 08/03/09 / 08/03/09  
**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.
  - (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 \*\*\*