

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
Time Report Requested: 14:13:47
First Dose M/F: 05/05/08 / 05/05/08
Lab: BNW

F1_M3

NTP Study Number: C20515
Lock Date: 01/12/2011
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.1.1_001
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF METAL WORKING FLUIDS (CIMSTAR 3800)

MALE MICE

Organ

Eye: Cornea

Larynx

Liver

Lung: Bronchiole

Nose: Olfactory Epithelium

Nose: Respiratory Epithelium

Morphology

Inflammation Chronic

Vacuolization Cytoplasmic

Inflammation Chronic

Metaplasia

Clear Cell Focus

Eosinophilic Focus

Hyperplasia

Accumulation, Hyaline Droplet

Atrophy

Metaplasia Respiratory

Accumulation, Hyaline Droplet

Metaplasia

FEMALE MICE

Organ

Heart

Larynx

Liver

Lung: Bronchiole

Lung: Perivascular

Mesentery: Fat

Nose

Nose: Olfactory Epithelium

Nose: Respiratory Epithelium

Ovary

Ovary: Corpus Luteum

Skeletal Muscle

Uterus

Morphology

Cardiomyopathy

Inflammation Chronic

Metaplasia

Necrosis

Eosinophilic Focus

Hyperplasia

Inflammation Chronic

Necrosis

Inflammation Chronic

Accumulation, Hyaline Droplet

Metaplasia Respiratory

Accumulation, Hyaline Droplet

Hyperplasia

Angiectasis

Hyperplasia

Infiltration Cellular Lymphocyte

Angiectasis

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF METAL WORKING FLUIDS (CIMSTAR 3800)

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
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	24/49 (49%)	23/50 (46%)	26/50 (52%)	24/50 (48%)
POLY-3 RATE (b)	24/46.39	23/44.55	26/44.57	24/47.89
POLY-3 PERCENT (g)	51.7%	51.6%	58.3%	50.1%
TERMINAL (d)	22/39 (56%)	19/31 (61%)	24/36 (67%)	22/40 (55%)
FIRST INCIDENCE	559	556	683	344
STATISTICAL TESTS				
POLY 3	P=0.453N	P=0.580N	P=0.334	P=0.519N
POLY 1.5	P=0.491N	P=0.526N	P=0.386	P=0.525N
POLY 6	P=0.416N	P=0.511	P=0.272	P=0.525N
COCH-ARM / FISHERS	P=0.549N	P=0.462N	P=0.460	P=0.541N
MAX-ISO-POLY-3	P=0.559N	P=0.495N	P=0.265	P=0.436N

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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
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.82	0/43.16	0/44.33	0/46.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	0/48 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.84	1/43.52	0/44.33	2/46.48
POLY-3 PERCENT (g)	0%	2.3%	0%	4.3%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	---	628	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.154	P=0.494	(e)	P=0.245
POLY 1.5	P=0.154	P=0.500	(e)	P=0.246
POLY 6	P=0.155	P=0.485	(e)	P=0.244
COCH-ARM / FISHERS	P=0.153	P=0.510	(e)	P=0.258
MAX-ISO-POLY-3	P=0.086	P=0.161	(e)	P=0.081

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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
Bone				
Fibro-osseous Lesion				
LESION RATES				
OVERALL (a)	7/50 (14%)	7/50 (14%)	10/50 (20%)	7/50 (14%)
POLY-3 RATE (b)	7/46.68	7/43.22	10/44.76	7/46.73
POLY-3 PERCENT (g)	15%	16.2%	22.3%	15%
TERMINAL (d)	7/39 (18%)	6/31 (19%)	8/36 (22%)	6/40 (15%)
FIRST INCIDENCE	729 (T)	713	645	661
STATISTICAL TESTS				
POLY 3	P=0.507N	P=0.553	P=0.263	P=0.612N
POLY 1.5	P=0.524N	P=0.580	P=0.277	P=0.612
POLY 6	P=0.486N	P=0.512	P=0.248	P=0.612N
COCH-ARM / FISHERS	P=0.542N	P=0.613N	P=0.298	P=0.613N
MAX-ISO-POLY-3	P=0.511	P=0.439	P=0.189	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
Bone: Cranium				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	3/46.68	2/43.62	3/44.78	5/46.56
POLY-3 PERCENT (g)	6.4%	4.6%	6.7%	10.7%
TERMINAL (d)	3/39 (8%)	1/31 (3%)	1/36 (3%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	591	640	709
STATISTICAL TESTS				
POLY 3	P=0.202	P=0.531N	P=0.643	P=0.355
POLY 1.5	P=0.196	P=0.517N	P=0.650	P=0.355
POLY 6	P=0.210	P=0.551N	P=0.634	P=0.354
COCH-ARM / FISHERS	P=0.188	P=0.500N	P=0.661N	P=0.357
MAX-ISO-POLY-3	P=0.265	P=0.356N	P=0.478	P=0.230

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Brain Compression				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.68	0/43.16	0/44.33	0/46.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Epididymis Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.70	1/43.63	0/44.33	2/46.56
POLY-3 PERCENT (g)	2.1%	2.3%	0%	4.3%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	1/40 (3%)
FIRST INCIDENCE	725	590	---	709
STATISTICAL TESTS				
POLY 3	P=0.335	P=0.745	P=0.510N	P=0.499
POLY 1.5	P=0.331	P=0.752	P=0.506N	P=0.499
POLY 6	P=0.339	P=0.735	P=0.516N	P=0.498
COCH-ARM / FISHERS	P=0.327	P=0.753N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.286	P=0.480	P=0.172N	P=0.280

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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
Eye Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.68	0/43.16	0/44.33	0/46.48
POLY-3 PERCENT (g)	2.1%	0%	0%	0%
TERMINAL (d)	1/39 (3%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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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
Eye: Cornea				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	4/50 (8%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/46.68	4/43.90	2/44.39	2/46.48
POLY-3 PERCENT (g)	0%	9.1%	4.5%	4.3%
TERMINAL (d)	0/39 (0%)	1/31 (3%)	1/36 (3%)	2/40 (5%)
FIRST INCIDENCE	---	591	715	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.555	P=0.053	P=0.226	P=0.236
POLY 1.5	P=0.555	P=0.056	P=0.231	P=0.236
POLY 6	P=0.553	P=0.048*	P=0.220	P=0.236
COCH-ARM / FISHERS	P=0.556	P=0.059	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.127	P=0.019*	P=0.076	P=0.076

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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
Eye: Cornea				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.68	0/43.16	0/44.33	0/46.48
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	2/39 (5%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.244N	P=0.255N	P=0.249N	P=0.238N
POLY 1.5	P=0.250N	P=0.247N	P=0.244N	P=0.238N
POLY 6	P=0.234N	P=0.267N	P=0.255N	P=0.239N
COCH-ARM / FISHERS	P=0.260N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.036N*	P=0.093N	P=0.087N	P=0.077N

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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
<hr/>				
Eye: Lens Degeneration				
<hr/>				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/46.68	1/43.24	0/44.33	1/46.48
POLY-3 PERCENT (g)	2.1%	2.3%	0%	2.2%
TERMINAL (d)	1/39 (3%)	0/31 (0%)	0/36 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	709	---	729 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/49 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/46.68	1/43.16	3/44.02	2/46.48
POLY-3 PERCENT (g)	4.3%	2.3%	6.8%	4.3%
TERMINAL (d)	2/39 (5%)	1/31 (3%)	1/35 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	573	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.571	P=0.527N	P=0.473	P=0.692
POLY 1.5	P=0.562	P=0.515N	P=0.480	P=0.692
POLY 6	P=0.583	P=0.545N	P=0.465	P=0.691
COCH-ARM / FISHERS	P=0.552	P=0.500N	P=0.490	P=0.691N
MAX-ISO-POLY-3	P=0.485	P=0.310N	P=0.304	P=0.497

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/46.68	3/43.68	1/44.66	2/46.48
POLY-3 PERCENT (g)	4.3%	6.9%	2.2%	4.3%
TERMINAL (d)	2/39 (5%)	0/31 (0%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	620	640	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.545N	P=0.470	P=0.515N	P=0.692
POLY 1.5	P=0.548N	P=0.483	P=0.509N	P=0.692
POLY 6	P=0.542N	P=0.451	P=0.523N	P=0.691
COCH-ARM / FISHERS	P=0.552N	P=0.500	P=0.500N	P=0.691N
MAX-ISO-POLY-3	P=0.478N	P=0.303	P=0.297N	P=0.497

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P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Heart Thrombosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.91	0/43.16	0/44.33	2/47.00
POLY-3 PERCENT (g)	2.1%	0%	0%	4.3%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	1/40 (3%)
FIRST INCIDENCE	669	---	---	572
STATISTICAL TESTS				
POLY 3	P=0.198	P=0.517N	P=0.511N	P=0.501
POLY 1.5	P=0.192	P=0.509N	P=0.507N	P=0.500
POLY 6	P=0.205	P=0.528N	P=0.517N	P=0.500
COCH-ARM / FISHERS	P=0.186	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.142	P=0.179N	P=0.173N	P=0.281

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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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
Intestine Small, Ileum Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/49 (4%)	2/48 (4%)
POLY-3 RATE (b)	0/46.68	0/43.16	2/44.11	2/45.83
POLY-3 PERCENT (g)	0%	0%	4.5%	4.4%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	2/36 (6%)	1/40 (3%)
FIRST INCIDENCE	---	---	729 (T)	709
STATISTICAL TESTS				
POLY 3	P=0.138	(e)	P=0.225	P=0.233
POLY 1.5	P=0.133	(e)	P=0.228	P=0.231
POLY 6	P=0.145	(e)	P=0.220	P=0.234
COCH-ARM / FISHERS	P=0.125	(e)	P=0.242	P=0.237
MAX-ISO-POLY-3	P=0.113	(e)	P=0.075	P=0.074

Experiment Number: 20515 - 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
Kidney Cyst				
LESION RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	4/46.68	2/43.16	3/44.33	5/46.48
POLY-3 PERCENT (g)	8.6%	4.6%	6.8%	10.8%
TERMINAL (d)	4/39 (10%)	2/31 (7%)	3/36 (8%)	5/40 (13%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.294	P=0.374N	P=0.528N	P=0.497
POLY 1.5	P=0.284	P=0.358N	P=0.517N	P=0.498
POLY 6	P=0.306	P=0.399N	P=0.543N	P=0.495
COCH-ARM / FISHERS	P=0.272	P=0.339N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.372	P=0.238N	P=0.376N	P=0.361

Experiment Number: 20515 - 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
Kidney Infarct				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	3/47.38	1/43.16	4/45.95	2/46.48
POLY-3 PERCENT (g)	6.3%	2.3%	8.7%	4.3%
TERMINAL (d)	1/39 (3%)	1/31 (3%)	1/36 (3%)	2/40 (5%)
FIRST INCIDENCE	592	729 (T)	447	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.533N	P=0.340N	P=0.483	P=0.509N
POLY 1.5	P=0.542N	P=0.324N	P=0.491	P=0.505N
POLY 6	P=0.523N	P=0.363N	P=0.473	P=0.514N
COCH-ARM / FISHERS	P=0.552N	P=0.309N	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.524	P=0.189N	P=0.335	P=0.333N

Experiment Number: 20515 - 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
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.68	1/43.16	0/44.33	0/46.48
POLY-3 PERCENT (g)	2.1%	2.3%	0%	0%
TERMINAL (d)	1/39 (3%)	1/31 (3%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	48/50 (96%)	48/50 (96%)	45/50 (90%)	48/50 (96%)
POLY-3 RATE (b)	48/49.85	48/49.22	45/47.01	48/48.59
POLY-3 PERCENT (g)	96.3%	97.5%	95.7%	98.8%
TERMINAL (d)	39/39 (100%)	30/31 (97%)	36/36 (100%)	40/40 (100%)
FIRST INCIDENCE	499	547	438	590
STATISTICAL TESTS				
POLY 3	P=0.346	P=0.594	P=0.675N	P=0.435
POLY 1.5	P=0.430	P=0.627	P=0.436N	P=0.532
POLY 6	P=0.272	P=0.589	P=0.575	P=0.362
COCH-ARM / FISHERS	P=0.566	P=0.691N	P=0.218N	P=0.691N
MAX-ISO-POLY-3	P=0.311	P=0.356	P=0.432N	P=0.192

Experiment Number: 20515 - 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
Kidney: Artery Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.70	3/43.60	0/44.33	0/46.48
POLY-3 PERCENT (g)	2.1%	6.9%	0%	0%
TERMINAL (d)	0/39 (0%)	2/31 (7%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	725	598	---	---
STATISTICAL TESTS				
POLY 3	P=0.163N	P=0.281	P=0.510N	P=0.501N
POLY 1.5	P=0.162N	P=0.292	P=0.506N	P=0.501N
POLY 6	P=0.165N	P=0.265	P=0.516N	P=0.502N
COCH-ARM / FISHERS	P=0.162N	P=0.309	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.111N	P=0.145	P=0.172N	P=0.160N

Experiment Number: 20515 - 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
Larynx				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/49 (6%)	8/50 (16%)
POLY-3 RATE (b)	0/46.68	2/43.62	3/44.45	8/47.34
POLY-3 PERCENT (g)	0%	4.6%	6.8%	16.9%
TERMINAL (d)	0/39 (0%)	1/31 (3%)	1/35 (3%)	5/40 (13%)
FIRST INCIDENCE	---	591	534	572
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.222	P=0.110	P=0.004**
POLY 1.5	P<0.001**	P=0.229	P=0.112	P=0.004**
POLY 6	P<0.001**	P=0.213	P=0.107	P=0.004**
COCH-ARM / FISHERS	P<0.001**	P=0.247	P=0.117	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.076	P=0.037*	P<0.001**

Experiment Number: 20515 - 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
Larynx Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	50/50 (100%)	49/49 (100%)	50/50 (100%)
POLY-3 RATE (b)	0/46.68	50/50.00	49/49.00	50/50.00
POLY-3 PERCENT (g)	0%	100%	100%	100%
TERMINAL (d)	0/39 (0%)	31/31 (100%)	35/35 (100%)	40/40 (100%)
FIRST INCIDENCE	---	439	438	344
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 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
Larynx Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.68	1/43.62	1/43.94	1/46.73
POLY-3 PERCENT (g)	0%	2.3%	2.3%	2.1%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/35 (0%)	0/40 (0%)
FIRST INCIDENCE	---	591	534	662
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
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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
<hr/>				
Liver Angiectasis				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/46.68	1/43.25	0/44.33	0/45.73
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	706	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
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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
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	4/49 (8%)
POLY-3 RATE (b)	1/46.68	3/43.50	0/44.33	4/45.73
POLY-3 PERCENT (g)	2.1%	6.9%	0%	8.8%
TERMINAL (d)	1/39 (3%)	2/31 (7%)	0/36 (0%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	632	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.141	P=0.280	P=0.510N	P=0.173
POLY 1.5	P=0.140	P=0.292	P=0.506N	P=0.172
POLY 6	P=0.143	P=0.265	P=0.516N	P=0.173
COCH-ARM / FISHERS	P=0.140	P=0.309	P=0.500N	P=0.175
MAX-ISO-POLY-3	P=0.095	P=0.145	P=0.172N	P=0.081

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
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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
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	10/50 (20%)	9/50 (18%)	3/50 (6%)	6/49 (12%)
POLY-3 RATE (b)	10/46.68	9/43.16	3/44.33	6/45.73
POLY-3 PERCENT (g)	21.4%	20.9%	6.8%	13.1%
TERMINAL (d)	10/39 (26%)	9/31 (29%)	3/36 (8%)	6/40 (15%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.180N	P=0.576N	P=0.043N*	P=0.218N
POLY 1.5	P=0.190N	P=0.542N	P=0.039N*	P=0.220N
POLY 6	P=0.168N	P=0.578	P=0.047N*	P=0.217N
COCH-ARM / FISHERS	P=0.203N	P=0.500N	P=0.036N*	P=0.220N
MAX-ISO-POLY-3	P=0.099N	P=0.474N	P=0.024N*	P=0.147N

Experiment Number: 20515 - 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	Males			
	Control	10 mg/m3	30 mg/m3	100 mg/m3
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	14/50 (28%)	3/50 (6%)	20/50 (40%)	17/49 (35%)
POLY-3 RATE (b)	14/46.68	3/43.16	20/45.78	17/45.73
POLY-3 PERCENT (g)	30%	7%	43.7%	37.2%
TERMINAL (d)	14/39 (36%)	3/31 (10%)	17/36 (47%)	17/40 (43%)
FIRST INCIDENCE	729 (T)	729 (T)	534	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.046*	P=0.005N**	P=0.122	P=0.304
POLY 1.5	P=0.040*	P=0.004N**	P=0.131	P=0.304
POLY 6	P=0.058	P=0.006N**	P=0.113	P=0.304
COCH-ARM / FISHERS	P=0.040*	P=0.003N**	P=0.146	P=0.308
MAX-ISO-POLY-3	P=0.014*	P=0.003N**	P=0.086	P=0.234

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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				
LESION RATES				
OVERALL (a)	24/50 (48%)	22/50 (44%)	24/50 (48%)	25/49 (51%)
POLY-3 RATE (b)	24/47.36	22/45.04	24/47.36	25/45.73
POLY-3 PERCENT (g)	50.7%	48.8%	50.7%	54.7%
TERMINAL (d)	23/39 (59%)	17/31 (55%)	18/36 (50%)	25/40 (63%)
FIRST INCIDENCE	499	439	447	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.345	P=0.513N	P=0.582	P=0.429
POLY 1.5	P=0.339	P=0.469N	P=0.579	P=0.438
POLY 6	P=0.360	P=0.580N	P=0.580N	P=0.418
COCH-ARM / FISHERS	P=0.342	P=0.421N	P=0.579N	P=0.460
MAX-ISO-POLY-3	P=0.507	P=0.429N	P=0.499	P=0.349

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	6/50 (12%)	4/50 (8%)	11/50 (22%)	5/49 (10%)
POLY-3 RATE (b)	6/46.68	4/43.16	11/44.33	5/45.73
POLY-3 PERCENT (g)	12.9%	9.3%	24.8%	10.9%
TERMINAL (d)	6/39 (15%)	4/31 (13%)	11/36 (31%)	5/40 (13%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.475N	P=0.420N	P=0.115	P=0.514N
POLY 1.5	P=0.493N	P=0.397N	P=0.126	P=0.515N
POLY 6	P=0.450N	P=0.454N	P=0.102	P=0.514N
COCH-ARM / FISHERS	P=0.513N	P=0.370N	P=0.143	P=0.514N
MAX-ISO-POLY-3	P=0.289	P=0.303N	P=0.075	P=0.387N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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				
Necrosis				
LESION RATES				
OVERALL (a)	5/50 (10%)	7/50 (14%)	6/50 (12%)	7/49 (14%)
POLY-3 RATE (b)	5/47.01	7/44.81	6/46.25	7/46.83
POLY-3 PERCENT (g)	10.6%	15.6%	13%	15%
TERMINAL (d)	2/39 (5%)	2/31 (7%)	1/36 (3%)	4/40 (10%)
FIRST INCIDENCE	669	556	534	590
STATISTICAL TESTS				
POLY 3	P=0.424	P=0.346	P=0.489	P=0.377
POLY 1.5	P=0.411	P=0.361	P=0.493	P=0.371
POLY 6	P=0.443	P=0.322	P=0.484	P=0.384
COCH-ARM / FISHERS	P=0.396	P=0.380	P=0.500	P=0.365
MAX-ISO-POLY-3	P=0.436	P=0.246	P=0.364	P=0.268

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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				
Tension Lipidosis				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	5/50 (10%)	7/49 (14%)
POLY-3 RATE (b)	3/46.68	2/43.16	5/44.33	7/46.16
POLY-3 PERCENT (g)	6.4%	4.6%	11.3%	15.2%
TERMINAL (d)	3/39 (8%)	2/31 (7%)	5/36 (14%)	6/40 (15%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	607
STATISTICAL TESTS				
POLY 3	P=0.063	P=0.536N	P=0.328	P=0.153
POLY 1.5	P=0.058	P=0.520N	P=0.340	P=0.151
POLY 6	P=0.070	P=0.559N	P=0.314	P=0.155
COCH-ARM / FISHERS	P=0.054	P=0.500N	P=0.357	P=0.151
MAX-ISO-POLY-3	P=0.086	P=0.361N	P=0.214	P=0.087

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.68	0/43.16	2/45.16	1/47.00
POLY-3 PERCENT (g)	0%	0%	4.4%	2.1%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	447	572
STATISTICAL TESTS				
POLY 3	P=0.394	(e)	P=0.230	P=0.501
POLY 1.5	P=0.386	(e)	P=0.233	P=0.501
POLY 6	P=0.405	(e)	P=0.225	P=0.502
COCH-ARM / FISHERS	P=0.377	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.171	(e)	P=0.076	P=0.160

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lung				
Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	5/50 (10%)	5/50 (10%)	1/50 (2%)	9/50 (18%)
POLY-3 RATE (b)	5/46.68	5/43.43	1/44.33	9/46.73
POLY-3 PERCENT (g)	10.7%	11.5%	2.3%	19.3%
TERMINAL (d)	5/39 (13%)	3/31 (10%)	1/36 (3%)	8/40 (20%)
FIRST INCIDENCE	729 (T)	677	729 (T)	661
STATISTICAL TESTS				
POLY 3	P=0.076	P=0.584	P=0.114N	P=0.193
POLY 1.5	P=0.073	P=0.605	P=0.109N	P=0.193
POLY 6	P=0.080	P=0.554	P=0.120N	P=0.193
COCH-ARM / FISHERS	P=0.071	P=0.630N	P=0.102N	P=0.194
MAX-ISO-POLY-3	P=0.064	P=0.452	P=0.055N	P=0.124

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	4/50 (8%)	4/50 (8%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	4/46.68	4/43.16	6/44.66	7/46.64
POLY-3 PERCENT (g)	8.6%	9.3%	13.4%	15%
TERMINAL (d)	4/39 (10%)	3/31 (10%)	5/36 (14%)	6/40 (15%)
FIRST INCIDENCE	729 (T)	727	640	687
STATISTICAL TESTS				
POLY 3	P=0.205	P=0.600	P=0.342	P=0.261
POLY 1.5	P=0.196	P=0.619	P=0.353	P=0.260
POLY 6	P=0.217	P=0.570	P=0.328	P=0.260
COCH-ARM / FISHERS	P=0.187	P=0.643N	P=0.370	P=0.262
MAX-ISO-POLY-3	P=0.265	P=0.454	P=0.235	P=0.169

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Lung: Bronchiole Hyperplasia				
LESION RATES				
OVERALL (a)	11/50 (22%)	11/50 (22%)	32/50 (64%)	44/50 (88%)
POLY-3 RATE (b)	11/48.44	11/44.77	32/46.27	44/49.62
POLY-3 PERCENT (g)	22.7%	24.6%	69.2%	88.7%
TERMINAL (d)	7/39 (18%)	7/31 (23%)	26/36 (72%)	35/40 (88%)
FIRST INCIDENCE	499	556	573	344
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.513	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.548	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.465	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.595N	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.418	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Lung: Perivascular Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/46.68	1/43.16	1/44.66	1/46.48
POLY-3 PERCENT (g)	2.1%	2.3%	2.2%	2.2%
TERMINAL (d)	1/39 (3%)	1/31 (3%)	0/36 (0%)	1/40 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	640	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/31 (0%)	2/36 (6%)	1/34 (3%)	0/33 (0%)
POLY-3 RATE (b)	0/29.09	2/31.58	1/30.41	0/31.68
POLY-3 PERCENT (g)	0%	6.3%	3.3%	0%
TERMINAL (d)	0/25 (0%)	0/22 (0%)	1/27 (4%)	0/29 (0%)
FIRST INCIDENCE	---	632	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.376N	P=0.254	P=0.509	(e)
POLY 1.5	P=0.379N	P=0.261	P=0.513	(e)
POLY 6	P=0.372N	P=0.245	P=0.505	(e)
COCH-ARM / FISHERS	P=0.380N	P=0.285	P=0.523	(e)
MAX-ISO-POLY-3	P=0.334N	P=0.084	P=0.164	(e)

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
Time Report Requested: 14:13:47
First Dose M/F: 05/05/08 / 05/05/08
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
Lymph Node, Mediastinal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/39 (0%)	0/39 (0%)	0/32 (0%)	0/35 (0%)
POLY-3 RATE (b)	0/36.73	0/32.42	0/30.12	0/33.42
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/22 (0%)	0/26 (0%)	0/29 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
Time Report Requested: 14:13:47
First Dose M/F: 05/05/08 / 05/05/08
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
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.68	0/43.16	0/43.42	0/46.37
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node, Mesenteric Ectasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.68	0/43.16	0/43.42	0/46.37
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	1/48 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/45.68	1/43.25	1/44.03	0/46.37
POLY-3 PERCENT (g)	0%	2.3%	2.3%	0%
TERMINAL (d)	0/38 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	706	534	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node: Lumbar Ectasia				
LESION RATES				
OVERALL (a)	0/4 (0%)	0/3 (0%)	0/1 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/3.41	0/2.39	0/0.68	0/0.92
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node: Renal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/4 (0%)	0/3 (0%)	0/1 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/3.41	0/2.39	0/0.68	0/0.92
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/1 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/1.00	0/0.00	0/0.88	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	1/4 (25%)	2/5 (40%)	2/3 (67%)	3/4 (75%)
POLY-3 RATE (b)	1/3.84	2/4.19	2/2.68	3/4.00
POLY-3 PERCENT (g)	26%	47.7%	74.7%	75%
TERMINAL (d)	1/2 (50%)	2/3 (67%)	1/1 (100%)	2/3 (67%)
FIRST INCIDENCE	729 (T)	729 (T)	640	662
STATISTICAL TESTS				
POLY 3	P=0.212	P=0.535	P=0.338	P=0.255
POLY 1.5	P=0.198	P=0.558	P=0.357	P=0.247
POLY 6	P=0.241	P=0.501	P=0.307	P=0.271
COCH-ARM / FISHERS	P=0.170	P=0.595	P=0.371	P=0.243
MAX-ISO-POLY-3	P=0.137	P=0.281	P=0.138	P=0.089

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
Time Report Requested: 14:13:47
First Dose M/F: 05/05/08 / 05/05/08
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
Nose				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	6/50 (12%)	8/50 (16%)	4/50 (8%)	12/50 (24%)
POLY-3 RATE (b)	6/46.70	8/45.68	4/44.79	12/46.91
POLY-3 PERCENT (g)	12.9%	17.5%	8.9%	25.6%
TERMINAL (d)	5/39 (13%)	3/31 (10%)	2/36 (6%)	9/40 (23%)
FIRST INCIDENCE	725	439	636	661
STATISTICAL TESTS				
POLY 3	P=0.058	P=0.369	P=0.396N	P=0.095
POLY 1.5	P=0.056	P=0.379	P=0.386N	P=0.095
POLY 6	P=0.061	P=0.353	P=0.408N	P=0.096
COCH-ARM / FISHERS	P=0.056	P=0.387	P=0.370N	P=0.096
MAX-ISO-POLY-3	P=0.073	P=0.269	P=0.280N	P=0.058

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose				
Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/46.68	2/44.40	0/44.33	1/46.57
POLY-3 PERCENT (g)	4.3%	4.5%	0%	2.2%
TERMINAL (d)	2/39 (5%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	439	---	706
STATISTICAL TESTS				
POLY 3	P=0.398N	P=0.676	P=0.249N	P=0.501N
POLY 1.5	P=0.401N	P=0.684	P=0.244N	P=0.501N
POLY 6	P=0.394N	P=0.661	P=0.255N	P=0.501N
COCH-ARM / FISHERS	P=0.404N	P=0.691N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.266N	P=0.479	P=0.087N	P=0.282N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	4/50 (8%)	31/50 (62%)	43/50 (86%)	49/50 (98%)
POLY-3 RATE (b)	4/46.68	31/47.08	43/49.94	49/50.00
POLY-3 PERCENT (g)	8.6%	65.9%	86.1%	98%
TERMINAL (d)	4/39 (10%)	18/31 (58%)	30/36 (83%)	39/40 (98%)
FIRST INCIDENCE	729 (T)	556	438	344
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Olfactory Epithelium Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	1/46.68	0/43.16	0/44.33	4/46.65
POLY-3 PERCENT (g)	2.1%	0%	0%	8.6%
TERMINAL (d)	1/39 (3%)	0/31 (0%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	---	---	706
STATISTICAL TESTS				
POLY 3	P=0.014*	P=0.516N	P=0.510N	P=0.179
POLY 1.5	P=0.014*	P=0.509N	P=0.506N	P=0.178
POLY 6	P=0.015*	P=0.526N	P=0.516N	P=0.179
COCH-ARM / FISHERS	P=0.014*	P=0.500N	P=0.500N	P=0.181
MAX-ISO-POLY-3	P=0.014*	P=0.178N	P=0.172N	P=0.084

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	7/50 (14%)	15/50 (30%)	25/50 (50%)	37/50 (74%)
POLY-3 RATE (b)	7/46.82	15/44.74	25/47.83	37/49.62
POLY-3 PERCENT (g)	15%	33.5%	52.3%	74.6%
TERMINAL (d)	6/39 (15%)	11/31 (36%)	16/36 (44%)	28/40 (70%)
FIRST INCIDENCE	694	591	447	344
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.031*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.036*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.024*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.045*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.019*	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	7/50 (14%)	36/50 (72%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	7/46.70	36/47.33	50/50.00	50/50.00
POLY-3 PERCENT (g)	15%	76.1%	100%	100%
TERMINAL (d)	6/39 (15%)	22/31 (71%)	36/36 (100%)	40/40 (100%)
FIRST INCIDENCE	725	556	438	344
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	38/50 (76%)	44/50 (88%)	36/50 (72%)	41/50 (82%)
POLY-3 RATE (b)	38/49.27	44/50.00	36/49.11	41/49.54
POLY-3 PERCENT (g)	77.1%	88%	73.3%	82.8%
TERMINAL (d)	29/39 (74%)	25/31 (81%)	26/36 (72%)	33/40 (83%)
FIRST INCIDENCE	499	439	438	344
STATISTICAL TESTS				
POLY 3	P=0.470	P=0.120	P=0.418N	P=0.326
POLY 1.5	P=0.471	P=0.109	P=0.412N	P=0.322
POLY 6	P=0.464	P=0.135	P=0.437N	P=0.328
COCH-ARM / FISHERS	P=0.469	P=0.096	P=0.410N	P=0.312
MAX-ISO-POLY-3	P=0.387	P=0.076	P=0.329N	P=0.242

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.68	3/43.94	0/44.33	1/46.57
POLY-3 PERCENT (g)	0%	6.8%	0%	2.2%
TERMINAL (d)	0/39 (0%)	2/31 (7%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	439	---	706
STATISTICAL TESTS				
POLY 3	P=0.628N	P=0.108	(e)	P=0.500
POLY 1.5	P=0.625N	P=0.113	(e)	P=0.499
POLY 6	P=0.633N	P=0.100	(e)	P=0.499
COCH-ARM / FISHERS	P=0.621N	P=0.121	(e)	P=0.500
MAX-ISO-POLY-3	P=0.260	P=0.038*	(e)	P=0.159

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
Time Report Requested: 14:13:47
First Dose M/F: 05/05/08 / 05/05/08
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
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.68	0/43.16	0/44.33	0/46.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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 First Dose M/F: 05/05/08 / 05/05/08
 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
Pituitary Gland				
Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/48 (2%)
POLY-3 RATE (b)	0/46.68	0/43.16	0/44.33	1/44.48
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	0/36 (0%)	1/38 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	5/50 (10%)	8/50 (16%)	7/50 (14%)	2/48 (4%)
POLY-3 RATE (b)	5/46.68	8/43.16	7/44.39	2/44.48
POLY-3 PERCENT (g)	10.7%	18.5%	15.8%	4.5%
TERMINAL (d)	5/39 (13%)	8/31 (26%)	6/36 (17%)	2/38 (5%)
FIRST INCIDENCE	729 (T)	729 (T)	715	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.081N	P=0.226	P=0.344	P=0.236N
POLY 1.5	P=0.085N	P=0.248	P=0.358	P=0.236N
POLY 6	P=0.078N	P=0.195	P=0.326	P=0.238N
COCH-ARM / FISHERS	P=0.089N	P=0.277	P=0.380	P=0.235N
MAX-ISO-POLY-3	P=0.103N	P=0.155	P=0.245	P=0.136N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Preputial Gland Ectasia				
LESION RATES				
OVERALL (a)	8/50 (16%)	4/49 (8%)	7/48 (15%)	7/49 (14%)
POLY-3 RATE (b)	8/46.70	4/42.16	7/43.59	7/46.20
POLY-3 PERCENT (g)	17.1%	9.5%	16.1%	15.2%
TERMINAL (d)	7/39 (18%)	3/30 (10%)	5/35 (14%)	5/39 (13%)
FIRST INCIDENCE	725	727	640	590
STATISTICAL TESTS				
POLY 3	P=0.527	P=0.230N	P=0.558N	P=0.509N
POLY 1.5	P=0.504	P=0.210N	P=0.549N	P=0.514N
POLY 6	P=0.557	P=0.261N	P=0.568N	P=0.504N
COCH-ARM / FISHERS	P=0.478	P=0.188N	P=0.535N	P=0.517N
MAX-ISO-POLY-3	P=0.502N	P=0.157N	P=0.446N	P=0.396N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Preputial Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	9/50 (18%)	4/49 (8%)	11/48 (23%)	4/49 (8%)
POLY-3 RATE (b)	9/47.36	4/42.16	11/43.97	4/45.48
POLY-3 PERCENT (g)	19%	9.5%	25%	8.8%
TERMINAL (d)	8/39 (21%)	4/30 (13%)	9/35 (26%)	4/39 (10%)
FIRST INCIDENCE	499	729 (T)	438	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.166N	P=0.165N	P=0.330	P=0.131N
POLY 1.5	P=0.177N	P=0.146N	P=0.344	P=0.129N
POLY 6	P=0.152N	P=0.195N	P=0.312	P=0.134N
COCH-ARM / FISHERS	P=0.190N	P=0.125N	P=0.362	P=0.125N
MAX-ISO-POLY-3	P=0.139N	P=0.112N	P=0.250	P=0.081N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Skeletal Muscle Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	0/1 (0%)	1/3 (33%)	0/2 (0%)	0/3 (0%)
POLY-3 RATE (b)	0/1.00	1/2.10	0/1.39	0/2.92
POLY-3 PERCENT (g)	0%	47.7%	0%	0%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/1 (0%)	0/2 (0%)
FIRST INCIDENCE	---	713	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Skin				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/49 (8%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/46.70	4/42.85	1/44.33	3/46.48
POLY-3 PERCENT (g)	4.3%	9.3%	2.3%	6.5%
TERMINAL (d)	1/39 (3%)	2/30 (7%)	1/36 (3%)	3/40 (8%)
FIRST INCIDENCE	725	598	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.562	P=0.298	P=0.518N	P=0.498
POLY 1.5	P=0.559	P=0.312	P=0.511N	P=0.498
POLY 6	P=0.564	P=0.280	P=0.528N	P=0.496
COCH-ARM / FISHERS	P=0.556	P=0.329	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.499N	P=0.180	P=0.300N	P=0.322

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/49 (8%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/46.76	4/43.77	2/44.70	0/46.48
POLY-3 PERCENT (g)	2.1%	9.1%	4.5%	0%
TERMINAL (d)	0/39 (0%)	0/30 (0%)	0/36 (0%)	0/40 (0%)
FIRST INCIDENCE	709	565	663	---
STATISTICAL TESTS				
POLY 3	P=0.136N	P=0.159	P=0.484	P=0.501N
POLY 1.5	P=0.136N	P=0.165	P=0.490	P=0.501N
POLY 6	P=0.137N	P=0.150	P=0.477	P=0.502N
COCH-ARM / FISHERS	P=0.136N	P=0.175	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.129N	P=0.078	P=0.272	P=0.160N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/49 (6%)	1/49 (2%)
POLY-3 RATE (b)	1/47.15	1/43.16	3/44.21	1/46.03
POLY-3 PERCENT (g)	2.1%	2.3%	6.8%	2.2%
TERMINAL (d)	0/39 (0%)	1/31 (3%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	592	729 (T)	640	709
STATISTICAL TESTS				
POLY 3	P=0.600N	P=0.741	P=0.283	P=0.755
POLY 1.5	P=0.607N	P=0.750	P=0.289	P=0.755
POLY 6	P=0.591N	P=0.727	P=0.276	P=0.755
COCH-ARM / FISHERS	P=0.615N	P=0.753N	P=0.301	P=0.747
MAX-ISO-POLY-3	P=0.429	P=0.475	P=0.145	P=0.492

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Spleen: Lymphoid Follicle Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	1/49 (2%)	1/49 (2%)
POLY-3 RATE (b)	3/46.70	2/43.16	1/43.64	1/45.95
POLY-3 PERCENT (g)	6.4%	4.6%	2.3%	2.2%
TERMINAL (d)	2/39 (5%)	2/31 (7%)	1/36 (3%)	1/40 (3%)
FIRST INCIDENCE	725	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.268N	P=0.536N	P=0.330N	P=0.311N
POLY 1.5	P=0.275N	P=0.520N	P=0.323N	P=0.312N
POLY 6	P=0.259N	P=0.560N	P=0.339N	P=0.310N
COCH-ARM / FISHERS	P=0.282N	P=0.500N	P=0.316N	P=0.316N
MAX-ISO-POLY-3	P=0.234N	P=0.361N	P=0.178N	P=0.159N

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
Time Report Requested: 14:13:47
First Dose M/F: 05/05/08 / 05/05/08
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
Stomach, Forestomach Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/46.68	2/43.67	1/44.33	3/46.56
POLY-3 PERCENT (g)	4.3%	4.6%	2.3%	6.4%
TERMINAL (d)	2/39 (5%)	0/31 (0%)	1/36 (3%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	596	729 (T)	709
STATISTICAL TESTS				
POLY 3	P=0.386	P=0.670	P=0.518N	P=0.499
POLY 1.5	P=0.381	P=0.680	P=0.511N	P=0.499
POLY 6	P=0.393	P=0.654	P=0.527N	P=0.498
COCH-ARM / FISHERS	P=0.374	P=0.691N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.418	P=0.473	P=0.300N	P=0.323

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/46.68	2/43.63	1/44.33	0/46.48
POLY-3 PERCENT (g)	2.1%	4.6%	2.3%	0%
TERMINAL (d)	1/39 (3%)	1/31 (3%)	1/36 (3%)	0/40 (0%)
FIRST INCIDENCE	729 (T)	590	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.236N	P=0.476	P=0.749	P=0.501N
POLY 1.5	P=0.237N	P=0.487	P=0.754	P=0.501N
POLY 6	P=0.235N	P=0.461	P=0.743	P=0.501N
COCH-ARM / FISHERS	P=0.237N	P=0.500	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.221N	P=0.268	P=0.485	P=0.160N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Stomach, Glandular Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.68	0/43.16	0/44.33	2/46.48
POLY-3 PERCENT (g)	2.1%	0%	0%	4.3%
TERMINAL (d)	1/39 (3%)	0/31 (0%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	729 (T)	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.196	P=0.516N	P=0.510N	P=0.498
POLY 1.5	P=0.191	P=0.509N	P=0.506N	P=0.499
POLY 6	P=0.202	P=0.526N	P=0.516N	P=0.497
COCH-ARM / FISHERS	P=0.186	P=0.500N	P=0.500N	P=0.500
MAX-ISO-POLY-3	P=0.140	P=0.178N	P=0.172N	P=0.280

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Stomach, Glandular: Glands Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/46.68	0/43.16	2/44.33	1/46.48
POLY-3 PERCENT (g)	0%	0%	4.5%	2.2%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	2/36 (6%)	1/40 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.389	(e)	P=0.226	P=0.499
POLY 1.5	P=0.383	(e)	P=0.230	P=0.499
POLY 6	P=0.396	(e)	P=0.220	P=0.499
COCH-ARM / FISHERS	P=0.377	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.167	(e)	P=0.076	P=0.159

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Testes: Germinal Epithelium Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/46.82	4/43.78	0/44.33	3/46.56
POLY-3 PERCENT (g)	2.1%	9.1%	0%	6.4%
TERMINAL (d)	0/39 (0%)	1/31 (3%)	0/36 (0%)	2/40 (5%)
FIRST INCIDENCE	694	565	---	709
STATISTICAL TESTS				
POLY 3	P=0.412	P=0.159	P=0.511N	P=0.303
POLY 1.5	P=0.412	P=0.168	P=0.506N	P=0.304
POLY 6	P=0.411	P=0.146	P=0.517N	P=0.302
COCH-ARM / FISHERS	P=0.413	P=0.181	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.247	P=0.079	P=0.172N	P=0.153

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Thymus Atrophy				
LESION RATES				
OVERALL (a)	0/41 (0%)	0/38 (0%)	1/39 (3%)	1/41 (2%)
POLY-3 RATE (b)	0/38.82	0/33.78	1/36.10	1/38.66
POLY-3 PERCENT (g)	0%	0%	2.8%	2.6%
TERMINAL (d)	0/32 (0%)	0/25 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	447	623
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Thyroid Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.68	0/43.16	1/43.33	0/46.48
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	1/35 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	729 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Thyroid Gland: Follicular Cell Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.68	0/43.16	1/43.33	1/46.48
POLY-3 PERCENT (g)	0%	0%	2.3%	2.2%
TERMINAL (d)	0/39 (0%)	0/31 (0%)	1/35 (3%)	1/40 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Tooth Dysplasia				
LESION RATES				
OVERALL (a)	43/50 (86%)	35/47 (74%)	41/49 (84%)	40/50 (80%)
POLY-3 RATE (b)	43/48.14	35/43.58	41/46.58	40/47.44
POLY-3 PERCENT (g)	89.3%	80.3%	88%	84.3%
TERMINAL (d)	37/39 (95%)	26/30 (87%)	33/36 (92%)	35/40 (88%)
FIRST INCIDENCE	541	590	447	623
STATISTICAL TESTS				
POLY 3	P=0.462N	P=0.161N	P=0.553N	P=0.327N
POLY 1.5	P=0.477N	P=0.137N	P=0.526N	P=0.318N
POLY 6	P=0.438N	P=0.214N	P=0.585N	P=0.342N
COCH-ARM / FISHERS	P=0.475N	P=0.120N	P=0.483N	P=0.298N
MAX-ISO-POLY-3	P=0.369N	P=0.102N	P=0.414N	P=0.223N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Tooth Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/47 (2%)	6/49 (12%)	5/50 (10%)
POLY-3 RATE (b)	3/46.68	1/41.29	6/43.85	5/46.56
POLY-3 PERCENT (g)	6.4%	2.4%	13.7%	10.7%
TERMINAL (d)	3/39 (8%)	1/30 (3%)	6/36 (17%)	4/40 (10%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	709
STATISTICAL TESTS				
POLY 3	P=0.209	P=0.350N	P=0.212	P=0.355
POLY 1.5	P=0.202	P=0.340N	P=0.220	P=0.355
POLY 6	P=0.220	P=0.367N	P=0.201	P=0.354
COCH-ARM / FISHERS	P=0.195	P=0.332N	P=0.233	P=0.357
MAX-ISO-POLY-3	P=0.145	P=0.196N	P=0.131	P=0.230

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	10/49 (20%)	5/50 (10%)	10/50 (20%)	6/50 (12%)
POLY-3 RATE (b)	10/44.40	5/45.68	10/45.92	6/44.06
POLY-3 PERCENT (g)	22.5%	10.9%	21.8%	13.6%
TERMINAL (d)	10/39 (26%)	5/37 (14%)	10/37 (27%)	5/33 (15%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	596
STATISTICAL TESTS				
POLY 3	P=0.330N	P=0.115N	P=0.567N	P=0.208N
POLY 1.5	P=0.319N	P=0.114N	P=0.563N	P=0.200N
POLY 6	P=0.342N	P=0.122N	P=0.578N	P=0.223N
COCH-ARM / FISHERS	P=0.302N	P=0.122N	P=0.579N	P=0.194N
MAX-ISO-POLY-3	P=0.222N	P=0.071N	P=0.466N	P=0.140N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Adrenal Cortex				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	2/49 (4%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/44.40	2/46.03	0/45.92	2/43.61
POLY-3 PERCENT (g)	4.5%	4.4%	0%	4.6%
TERMINAL (d)	2/39 (5%)	1/37 (3%)	0/37 (0%)	2/33 (6%)
FIRST INCIDENCE	731 (T)	635	---	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.597	P=0.681N	P=0.230N	P=0.688
POLY 1.5	P=0.602	P=0.680N	P=0.229N	P=0.693N
POLY 6	P=0.589	P=0.686N	P=0.232N	P=0.676
COCH-ARM / FISHERS	P=0.611	P=0.684N	P=0.242N	P=0.684N
MAX-ISO-POLY-3	P=0.453N	P=0.485N	P=0.075N	P=0.492

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Adrenal Medulla Hyperplasia				
LESION RATES				
OVERALL (a)	2/49 (4%)	1/50 (2%)	2/49 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/44.40	1/45.74	2/45.11	4/43.61
POLY-3 PERCENT (g)	4.5%	2.2%	4.4%	9.2%
TERMINAL (d)	2/39 (5%)	0/37 (0%)	2/37 (5%)	4/33 (12%)
FIRST INCIDENCE	731 (T)	717	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.138	P=0.490N	P=0.688N	P=0.329
POLY 1.5	P=0.143	P=0.488N	P=0.687N	P=0.338
POLY 6	P=0.132	P=0.495N	P=0.691N	P=0.314
COCH-ARM / FISHERS	P=0.151	P=0.492N	P=0.691N	P=0.349
MAX-ISO-POLY-3	P=0.179	P=0.273N	P=0.493N	P=0.197

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Bone				
Fibro-osseous Lesion				
LESION RATES				
OVERALL (a)	23/50 (46%)	25/50 (50%)	27/50 (54%)	23/50 (46%)
POLY-3 RATE (b)	23/46.68	25/47.92	27/47.88	23/45.40
POLY-3 PERCENT (g)	49.3%	52.2%	56.4%	50.7%
TERMINAL (d)	18/39 (46%)	20/37 (54%)	19/37 (51%)	17/33 (52%)
FIRST INCIDENCE	549	508	502	433
STATISTICAL TESTS				
POLY 3	P=0.543N	P=0.470	P=0.312	P=0.530
POLY 1.5	P=0.503N	P=0.468	P=0.310	P=0.560
POLY 6	P=0.510	P=0.451	P=0.307	P=0.483
COCH-ARM / FISHERS	P=0.451N	P=0.421	P=0.274	P=0.579N
MAX-ISO-POLY-3	P=0.541	P=0.388	P=0.246	P=0.446

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Bone: Cranium				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/45.30	0/45.68	2/45.92	1/43.61
POLY-3 PERCENT (g)	2.2%	0%	4.4%	2.3%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	2/37 (5%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	---	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.553	P=0.498N	P=0.505	P=0.752
POLY 1.5	P=0.560	P=0.497N	P=0.506	P=0.757
POLY 6	P=0.544	P=0.502N	P=0.501	P=0.746
COCH-ARM / FISHERS	P=0.572	P=0.500N	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.393	P=0.159N	P=0.286	P=0.489

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Brain Compression				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	3/45.30	1/45.68	2/46.11	3/44.28
POLY-3 PERCENT (g)	6.6%	2.2%	4.3%	6.8%
TERMINAL (d)	3/39 (8%)	1/37 (3%)	1/37 (3%)	0/33 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	681	634
STATISTICAL TESTS				
POLY 3	P=0.415	P=0.302N	P=0.492N	P=0.652
POLY 1.5	P=0.420	P=0.300N	P=0.492N	P=0.657
POLY 6	P=0.412	P=0.308N	P=0.495N	P=0.644
COCH-ARM / FISHERS	P=0.429	P=0.309N	P=0.500N	P=0.661N
MAX-ISO-POLY-3	P=0.488	P=0.153N	P=0.318N	P=0.488

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Eye Atrophy				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.30	0/45.68	2/46.23	0/43.61
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	1/37 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	644	---
STATISTICAL TESTS				
POLY 3	P=0.694N	(e)	P=0.242	(e)
POLY 1.5	P=0.688N	(e)	P=0.242	(e)
POLY 6	P=0.701N	(e)	P=0.241	(e)
COCH-ARM / FISHERS	P=0.679N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.265	(e)	P=0.080	(e)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Eye: Cornea				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.30	1/45.68	0/45.92	1/43.61
POLY-3 PERCENT (g)	0%	2.2%	0%	2.3%
TERMINAL (d)	0/39 (0%)	1/37 (3%)	0/37 (0%)	1/33 (3%)
FIRST INCIDENCE	---	731 (T)	---	731 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Eye: Cornea				
Vacuolization Cytoplasmic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.30	0/45.68	0/45.92	0/43.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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 First Dose M/F: 05/05/08 / 05/05/08
 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
Eye: Lens Degeneration				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/45.40	0/45.68	2/46.38	1/44.12
POLY-3 PERCENT (g)	4.4%	0%	4.3%	2.3%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	1/37 (3%)	0/33 (0%)
FIRST INCIDENCE	705	---	595	574
STATISTICAL TESTS				
POLY 3	P=0.605N	P=0.236N	P=0.686N	P=0.510N
POLY 1.5	P=0.602N	P=0.234N	P=0.686N	P=0.504N
POLY 6	P=0.609N	P=0.240N	P=0.688N	P=0.519N
COCH-ARM / FISHERS	P=0.594N	P=0.247N	P=0.691N	P=0.500N
MAX-ISO-POLY-3	P=0.431N	P=0.076N	P=0.491N	P=0.292N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	6/50 (12%)	0/50 (0%)
POLY-3 RATE (b)	2/45.30	1/45.74	6/46.22	0/43.61
POLY-3 PERCENT (g)	4.4%	2.2%	13%	0%
TERMINAL (d)	2/39 (5%)	0/37 (0%)	4/37 (11%)	0/33 (0%)
FIRST INCIDENCE	731 (T)	717	677	---
STATISTICAL TESTS				
POLY 3	P=0.240N	P=0.497N	P=0.139	P=0.246N
POLY 1.5	P=0.230N	P=0.495N	P=0.140	P=0.241N
POLY 6	P=0.252N	P=0.502N	P=0.138	P=0.252N
COCH-ARM / FISHERS	P=0.221N	P=0.500N	P=0.134	P=0.247N
MAX-ISO-POLY-3	P=0.129N	P=0.279N	P=0.075	P=0.084N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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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
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	8/50 (16%)	5/50 (10%)
POLY-3 RATE (b)	1/45.50	3/45.89	8/46.53	5/43.61
POLY-3 PERCENT (g)	2.2%	6.5%	17.2%	11.5%
TERMINAL (d)	0/39 (0%)	2/37 (5%)	6/37 (16%)	5/33 (15%)
FIRST INCIDENCE	677	677	576	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.148	P=0.308	P=0.017*	P=0.092
POLY 1.5	P=0.160	P=0.311	P=0.017*	P=0.097
POLY 6	P=0.133	P=0.302	P=0.017*	P=0.084
COCH-ARM / FISHERS	P=0.178	P=0.309	P=0.015*	P=0.102
MAX-ISO-POLY-3	P=0.042*	P=0.157	P=0.007**	P=0.042*

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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 First Dose M/F: 05/05/08 / 05/05/08
 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
Heart Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.30	1/46.13	0/45.92	0/43.61
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	---	599	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Intestine Small, Ileum Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/45.28	0/45.68	1/45.38	0/43.40
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	1/37 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Kidney Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.30	0/45.68	0/45.92	0/43.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Kidney Infarct				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/45.30	4/45.81	4/45.92	1/43.61
POLY-3 PERCENT (g)	2.2%	8.7%	8.7%	2.3%
TERMINAL (d)	1/39 (3%)	3/37 (8%)	4/37 (11%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	698	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.347N	P=0.182	P=0.183	P=0.752
POLY 1.5	P=0.336N	P=0.184	P=0.184	P=0.757
POLY 6	P=0.362N	P=0.177	P=0.179	P=0.746
COCH-ARM / FISHERS	P=0.324N	P=0.181	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.303	P=0.087	P=0.088	P=0.489

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.30	1/45.68	2/45.92	1/43.61
POLY-3 PERCENT (g)	0%	2.2%	4.4%	2.3%
TERMINAL (d)	0/39 (0%)	1/37 (3%)	2/37 (5%)	1/33 (3%)
FIRST INCIDENCE	---	731 (T)	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.502	P=0.502	P=0.240	P=0.492
POLY 1.5	P=0.511	P=0.503	P=0.241	P=0.496
POLY 6	P=0.490	P=0.498	P=0.238	P=0.486
COCH-ARM / FISHERS	P=0.522	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.243	P=0.161	P=0.079	P=0.158

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Kidney Nephropathy				
LESION RATES				
OVERALL (a)	47/50 (94%)	46/50 (92%)	49/50 (98%)	47/50 (94%)
POLY-3 RATE (b)	47/48.66	46/49.27	49/50.00	47/48.52
POLY-3 PERCENT (g)	96.6%	93.4%	98%	96.9%
TERMINAL (d)	39/39 (100%)	35/37 (95%)	36/37 (97%)	32/33 (97%)
FIRST INCIDENCE	345	508	460	433
STATISTICAL TESTS				
POLY 3	P=0.455	P=0.387N	P=0.579	P=0.706
POLY 1.5	P=0.480	P=0.391N	P=0.505	P=0.704
POLY 6	P=0.467	P=0.401N	P=0.671	P=0.737
COCH-ARM / FISHERS	P=0.559	P=0.500N	P=0.309	P=0.661N
MAX-ISO-POLY-3	P=0.403	P=0.218N	P=0.326	P=0.466

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Kidney: Artery Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.30	0/45.68	0/45.92	0/43.61
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Larynx				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	10/50 (20%)
POLY-3 RATE (b)	0/44.30	0/44.81	0/45.92	10/44.86
POLY-3 PERCENT (g)	0%	0%	0%	22.3%
TERMINAL (d)	0/38 (0%)	0/37 (0%)	0/37 (0%)	6/33 (18%)
FIRST INCIDENCE	---	---	---	536
STATISTICAL TESTS				
POLY 3	P<0.001**	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Larynx Metaplasia				
LESION RATES				
OVERALL (a)	1/49 (2%)	49/49 (100%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	1/44.30	49/49.00	50/50.00	50/50.00
POLY-3 PERCENT (g)	2.3%	100%	100%	100%
TERMINAL (d)	1/38 (3%)	37/37 (100%)	37/37 (100%)	33/33 (100%)
FIRST INCIDENCE	731 (T)	508	460	250
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Larynx Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/49 (0%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/44.30	0/44.81	0/45.92	4/45.36
POLY-3 PERCENT (g)	0%	0%	0%	8.8%
TERMINAL (d)	0/38 (0%)	0/37 (0%)	0/37 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	536
STATISTICAL TESTS				
POLY 3	P=0.002**	(e)	(e)	P=0.063
POLY 1.5	P=0.002**	(e)	(e)	P=0.064
POLY 6	P=0.002**	(e)	(e)	P=0.062
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	P=0.061
MAX-ISO-POLY-3	P=0.003**	(e)	(e)	P=0.021*

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.30	2/46.16	1/46.04	2/43.68
POLY-3 PERCENT (g)	0%	4.3%	2.2%	4.6%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	1/33 (3%)
FIRST INCIDENCE	---	635	698	713
STATISTICAL TESTS				
POLY 3	P=0.307	P=0.241	P=0.503	P=0.229
POLY 1.5	P=0.315	P=0.242	P=0.503	P=0.233
POLY 6	P=0.298	P=0.239	P=0.502	P=0.223
COCH-ARM / FISHERS	P=0.322	P=0.247	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.163	P=0.080	P=0.163	P=0.076

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	6/50 (12%)	5/50 (10%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	6/45.30	5/45.68	3/46.34	4/43.95
POLY-3 PERCENT (g)	13.3%	10.9%	6.5%	9.1%
TERMINAL (d)	6/39 (15%)	5/37 (14%)	2/37 (5%)	3/33 (9%)
FIRST INCIDENCE	731 (T)	731 (T)	608	634
STATISTICAL TESTS				
POLY 3	P=0.383N	P=0.494N	P=0.231N	P=0.388N
POLY 1.5	P=0.375N	P=0.490N	P=0.232N	P=0.378N
POLY 6	P=0.392N	P=0.506N	P=0.232N	P=0.403N
COCH-ARM / FISHERS	P=0.361N	P=0.500N	P=0.243N	P=0.370N
MAX-ISO-POLY-3	P=0.324N	P=0.368N	P=0.141N	P=0.272N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.30	0/45.68	0/45.92	0/43.61
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	731 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	6/50 (12%)	1/50 (2%)	5/50 (10%)	13/50 (26%)
POLY-3 RATE (b)	6/45.30	1/45.81	5/46.74	13/43.94
POLY-3 PERCENT (g)	13.3%	2.2%	10.7%	29.6%
TERMINAL (d)	6/39 (15%)	0/37 (0%)	3/37 (8%)	11/33 (33%)
FIRST INCIDENCE	731 (T)	698	576	688
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.054N	P=0.478N	P=0.049*
POLY 1.5	P<0.001**	P=0.054N	P=0.482N	P=0.055
POLY 6	P<0.001**	P=0.056N	P=0.477N	P=0.043*
COCH-ARM / FISHERS	P<0.001**	P=0.056N	P=0.500N	P=0.062
MAX-ISO-POLY-3	P<0.001**	P=0.023N*	P=0.355N	P=0.030*

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Fatty Change				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	3/45.87	2/46.25	1/45.92	5/43.84
POLY-3 PERCENT (g)	6.5%	4.3%	2.2%	11.4%
TERMINAL (d)	2/39 (5%)	1/37 (3%)	1/37 (3%)	4/33 (12%)
FIRST INCIDENCE	549	552	731 (T)	669
STATISTICAL TESTS				
POLY 3	P=0.138	P=0.496N	P=0.305N	P=0.332
POLY 1.5	P=0.143	P=0.494N	P=0.302N	P=0.344
POLY 6	P=0.132	P=0.504N	P=0.310N	P=0.315
COCH-ARM / FISHERS	P=0.152	P=0.500N	P=0.309N	P=0.357
MAX-ISO-POLY-3	P=0.140	P=0.321N	P=0.154N	P=0.216

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.30	4/45.68	1/45.92	0/43.61
POLY-3 PERCENT (g)	4.4%	8.8%	2.2%	0%
TERMINAL (d)	2/39 (5%)	4/37 (11%)	1/37 (3%)	0/33 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.087N	P=0.341	P=0.495N	P=0.246N
POLY 1.5	P=0.084N	P=0.344	P=0.494N	P=0.241N
POLY 6	P=0.091N	P=0.333	P=0.499N	P=0.252N
COCH-ARM / FISHERS	P=0.082N	P=0.339	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.093N	P=0.205	P=0.278N	P=0.084N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/45.71	0/45.68	2/46.02	4/45.24
POLY-3 PERCENT (g)	4.4%	0%	4.4%	8.8%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	1/37 (3%)	1/33 (3%)
FIRST INCIDENCE	613	---	705	433
STATISTICAL TESTS				
POLY 3	P=0.086	P=0.237N	P=0.691N	P=0.332
POLY 1.5	P=0.087	P=0.235N	P=0.689N	P=0.337
POLY 6	P=0.085	P=0.242N	P=0.692	P=0.323
COCH-ARM / FISHERS	P=0.089	P=0.247N	P=0.691N	P=0.339
MAX-ISO-POLY-3	P=0.099	P=0.076N	P=0.496N	P=0.198

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Liver				
Tension Lipidosis				
LESION RATES				
OVERALL (a)	6/50 (12%)	5/50 (10%)	5/50 (10%)	6/50 (12%)
POLY-3 RATE (b)	6/46.50	5/45.68	5/45.92	6/43.68
POLY-3 PERCENT (g)	12.9%	10.9%	10.9%	13.7%
TERMINAL (d)	4/39 (10%)	5/37 (14%)	5/37 (14%)	5/33 (15%)
FIRST INCIDENCE	527	731 (T)	731 (T)	713
STATISTICAL TESTS				
POLY 3	P=0.468	P=0.512N	P=0.509N	P=0.576
POLY 1.5	P=0.485	P=0.501N	P=0.500N	P=0.597
POLY 6	P=0.446	P=0.532N	P=0.524N	P=0.548
COCH-ARM / FISHERS	P=0.511	P=0.500N	P=0.500N	P=0.620N
MAX-ISO-POLY-3	P=0.598	P=0.386N	P=0.383N	P=0.454

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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 Hemorrhage				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/45.30	1/46.13	1/45.92	2/43.61
POLY-3 PERCENT (g)	2.2%	2.2%	2.2%	4.6%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	1/37 (3%)	2/33 (6%)
FIRST INCIDENCE	731 (T)	599	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.347	P=0.757N	P=0.758N	P=0.487
POLY 1.5	P=0.354	P=0.756N	P=0.757N	P=0.494
POLY 6	P=0.338	P=0.759N	P=0.760N	P=0.476
COCH-ARM / FISHERS	P=0.363	P=0.753N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.408	P=0.494N	P=0.495N	P=0.273

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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				
Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	4/50 (8%)	1/50 (2%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	4/45.71	1/45.68	1/46.00	6/43.61
POLY-3 PERCENT (g)	8.8%	2.2%	2.2%	13.8%
TERMINAL (d)	3/39 (8%)	1/37 (3%)	0/37 (0%)	6/33 (18%)
FIRST INCIDENCE	613	731 (T)	709	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.069	P=0.179N	P=0.177N	P=0.340
POLY 1.5	P=0.072	P=0.176N	P=0.175N	P=0.355
POLY 6	P=0.066	P=0.185N	P=0.180N	P=0.318
COCH-ARM / FISHERS	P=0.080	P=0.181N	P=0.181N	P=0.370
MAX-ISO-POLY-3	P=0.065	P=0.084N	P=0.083N	P=0.233

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
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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
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	4/50 (8%)	2/50 (4%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	4/45.30	2/45.68	5/46.67	4/44.12
POLY-3 PERCENT (g)	8.8%	4.4%	10.7%	9.1%
TERMINAL (d)	4/39 (10%)	2/37 (5%)	4/37 (11%)	2/33 (6%)
FIRST INCIDENCE	731 (T)	731 (T)	460	634
STATISTICAL TESTS				
POLY 3	P=0.446	P=0.333N	P=0.519	P=0.629
POLY 1.5	P=0.454	P=0.331N	P=0.517	P=0.637
POLY 6	P=0.438	P=0.341N	P=0.516	P=0.618
COCH-ARM / FISHERS	P=0.469	P=0.339N	P=0.500	P=0.643N
MAX-ISO-POLY-3	P=0.465	P=0.198N	P=0.382	P=0.484

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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: Bronchiole Hyperplasia				
LESION RATES				
OVERALL (a)	7/50 (14%)	4/50 (8%)	22/50 (44%)	41/50 (82%)
POLY-3 RATE (b)	7/45.47	4/46.25	22/46.80	41/46.90
POLY-3 PERCENT (g)	15.4%	8.7%	47%	87.4%
TERMINAL (d)	6/39 (15%)	3/37 (8%)	20/37 (54%)	31/33 (94%)
FIRST INCIDENCE	686	552	595	433
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.251N	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.250N	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.258N	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.262N	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.163N	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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: Perivascular Inflammation Chronic				
LESION RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	0/50 (0%)	11/50 (22%)
POLY-3 RATE (b)	4/45.41	3/46.14	0/45.92	11/43.92
POLY-3 PERCENT (g)	8.8%	6.5%	0%	25%
TERMINAL (d)	3/39 (8%)	2/37 (5%)	0/37 (0%)	10/33 (30%)
FIRST INCIDENCE	702	598	---	644
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.491N	P=0.059N	P=0.036*
POLY 1.5	P<0.001**	P=0.490N	P=0.059N	P=0.040*
POLY 6	P<0.001**	P=0.498N	P=0.060N	P=0.031*
COCH-ARM / FISHERS	P=0.002**	P=0.500N	P=0.059N	P=0.045*
MAX-ISO-POLY-3	P<0.001**	P=0.341N	P=0.019N*	P=0.020*

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node, Mandibular Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/41 (0%)	0/42 (0%)	0/43 (0%)	0/35 (0%)
POLY-3 RATE (b)	0/37.98	0/39.01	0/39.04	0/30.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/32 (0%)	0/31 (0%)	0/20 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node, Mediastinal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/43 (0%)	1/46 (2%)	0/40 (0%)	2/47 (4%)
POLY-3 RATE (b)	0/41.37	1/42.36	0/37.10	2/40.84
POLY-3 PERCENT (g)	0%	2.4%	0%	4.9%
TERMINAL (d)	0/37 (0%)	0/35 (0%)	0/29 (0%)	1/31 (3%)
FIRST INCIDENCE	---	677	---	712
STATISTICAL TESTS				
POLY 3	P=0.150	P=0.505	(e)	P=0.234
POLY 1.5	P=0.156	P=0.508	(e)	P=0.242
POLY 6	P=0.143	P=0.500	(e)	P=0.224
COCH-ARM / FISHERS	P=0.166	P=0.517	(e)	P=0.270
MAX-ISO-POLY-3	P=0.089	P=0.163	(e)	P=0.080

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node, Mesenteric Angiectasis				
LESION RATES				
OVERALL (a)	0/48 (0%)	1/50 (2%)	2/49 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/43.30	1/45.68	2/45.67	1/42.61
POLY-3 PERCENT (g)	0%	2.2%	4.4%	2.4%
TERMINAL (d)	0/37 (0%)	1/37 (3%)	2/37 (5%)	1/32 (3%)
FIRST INCIDENCE	---	731 (T)	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.504	P=0.511	P=0.249	P=0.497
POLY 1.5	P=0.513	P=0.512	P=0.248	P=0.501
POLY 6	P=0.491	P=0.508	P=0.248	P=0.491
COCH-ARM / FISHERS	P=0.523	P=0.510	P=0.253	P=0.505
MAX-ISO-POLY-3	P=0.246	P=0.169	P=0.086	P=0.160

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node, Mesenteric Ectasia				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/50 (0%)	2/49 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/43.30	0/45.68	2/45.80	0/42.61
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/37 (0%)	0/37 (0%)	1/37 (3%)	0/32 (0%)
FIRST INCIDENCE	---	---	698	---
STATISTICAL TESTS				
POLY 3	P=0.693N	(e)	P=0.250	(e)
POLY 1.5	P=0.688N	(e)	P=0.249	(e)
POLY 6	P=0.701N	(e)	P=0.249	(e)
COCH-ARM / FISHERS	P=0.679N	(e)	P=0.253	(e)
MAX-ISO-POLY-3	P=0.268	(e)	P=0.087	(e)

Experiment Number: 20515 - 04
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Metal working fluids (CIMSTAR 3800)
CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
Time Report Requested: 14:13:47
First Dose M/F: 05/05/08 / 05/05/08
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
Lymph Node, Mesenteric Hemorrhage				
LESION RATES				
OVERALL (a)	0/48 (0%)	2/50 (4%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.30	2/46.25	0/45.67	0/42.61
POLY-3 PERCENT (g)	0%	4.3%	0%	0%
TERMINAL (d)	0/37 (0%)	1/37 (3%)	0/37 (0%)	0/32 (0%)
FIRST INCIDENCE	---	552	---	---
STATISTICAL TESTS				
POLY 3	P=0.388N	P=0.252	(e)	(e)
POLY 1.5	P=0.385N	P=0.252	(e)	(e)
POLY 6	P=0.393N	P=0.250	(e)	(e)
COCH-ARM / FISHERS	P=0.386N	P=0.258	(e)	(e)
MAX-ISO-POLY-3	P=0.273N	P=0.088	(e)	(e)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node: Lumbar Ectasia				
LESION RATES				
OVERALL (a)	1/11 (9%)	1/12 (8%)	2/16 (13%)	0/10 (0%)
POLY-3 RATE (b)	1/10.90	1/11.38	2/14.65	0/8.46
POLY-3 PERCENT (g)	9.2%	8.8%	13.7%	0%
TERMINAL (d)	1/10 (10%)	1/9 (11%)	1/10 (10%)	0/6 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	681	---
STATISTICAL TESTS				
POLY 3	P=0.401N	P=0.751N	P=0.605	P=0.550N
POLY 1.5	P=0.383N	P=0.746N	P=0.617	P=0.537N
POLY 6	P=0.426N	P=0.759N	P=0.588	P=0.567N
COCH-ARM / FISHERS	P=0.356N	P=0.739N	P=0.643	P=0.524N
MAX-ISO-POLY-3	P=0.378N	P=0.487N	P=0.373	P=0.214N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Lymph Node: Renal Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/11 (0%)	2/12 (17%)	0/16 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.90	2/11.59	0/14.46	0/8.46
POLY-3 PERCENT (g)	0%	17.3%	0%	0%
TERMINAL (d)	0/10 (0%)	1/9 (11%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	677	---	---
STATISTICAL TESTS				
POLY 3	P=0.428N	P=0.243	(e)	(e)
POLY 1.5	P=0.419N	P=0.246	(e)	(e)
POLY 6	P=0.441N	P=0.238	(e)	(e)
COCH-ARM / FISHERS	P=0.411N	P=0.261	(e)	(e)
MAX-ISO-POLY-3	P=0.310N	P=0.076	(e)	(e)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Mammary Gland Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.30	0/45.68	0/45.92	1/43.61
POLY-3 PERCENT (g)	4.4%	0%	0%	2.3%
TERMINAL (d)	2/39 (5%)	0/37 (0%)	0/37 (0%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	---	---	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.676N	P=0.235N	P=0.234N	P=0.513N
POLY 1.5	P=0.675N	P=0.234N	P=0.234N	P=0.506N
POLY 6	P=0.675N	P=0.239N	P=0.236N	P=0.524N
COCH-ARM / FISHERS	P=0.670N	P=0.247N	P=0.247N	P=0.500N
MAX-ISO-POLY-3	P=0.152N	P=0.076N	P=0.076N	P=0.295N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	11/16 (69%)	17/23 (74%)	7/21 (33%)	8/15 (53%)
POLY-3 RATE (b)	11/15.89	17/22.31	7/19.01	8/14.39
POLY-3 PERCENT (g)	69.2%	76.2%	36.8%	55.6%
TERMINAL (d)	11/15 (73%)	12/15 (80%)	6/15 (40%)	5/11 (46%)
FIRST INCIDENCE	731 (T)	583	704	433
STATISTICAL TESTS				
POLY 3	P=0.179N	P=0.457	P=0.050N*	P=0.347N
POLY 1.5	P=0.177N	P=0.479	P=0.041N*	P=0.332N
POLY 6	P=0.177N	P=0.419	P=0.065N	P=0.359N
COCH-ARM / FISHERS	P=0.179N	P=0.500	P=0.035N*	P=0.305N
MAX-ISO-POLY-3	P=0.083N	P=0.327	P=0.025N*	P=0.230N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose Inflammation Chronic				
LESION RATES				
OVERALL (a)	9/50 (18%)	0/49 (0%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	9/46.47	0/45.14	3/45.92	5/44.05
POLY-3 PERCENT (g)	19.4%	0%	6.5%	11.4%
TERMINAL (d)	6/39 (15%)	0/37 (0%)	3/37 (8%)	3/33 (9%)
FIRST INCIDENCE	527	---	731 (T)	644
STATISTICAL TESTS				
POLY 3	P=0.583	P=0.002N**	P=0.062N	P=0.223N
POLY 1.5	P=0.590	P=0.002N**	P=0.059N	P=0.208N
POLY 6	P=0.577	P=0.002N**	P=0.067N	P=0.244N
COCH-ARM / FISHERS	P=0.572N	P<0.001N**	P=0.061N	P=0.194N
MAX-ISO-POLY-3	P=0.024N*	P<0.001N**	P=0.033N*	P=0.152N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose				
Necrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/45.30	1/45.59	2/46.11	1/43.61
POLY-3 PERCENT (g)	2.2%	2.2%	4.3%	2.3%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	1/37 (3%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	599	681	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.651N	P=0.759N	P=0.506	P=0.752
POLY 1.5	P=0.643N	P=0.759N	P=0.506	P=0.757
POLY 6	P=0.644	P=0.760N	P=0.504	P=0.746
COCH-ARM / FISHERS	P=0.634N	P=0.747	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.590	P=0.497N	P=0.288	P=0.489

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	25/50 (50%)	40/49 (82%)	50/50 (100%)	49/50 (98%)
POLY-3 RATE (b)	25/46.16	40/49.00	50/50.00	49/49.92
POLY-3 PERCENT (g)	54.2%	81.6%	100%	98.2%
TERMINAL (d)	22/39 (56%)	28/37 (76%)	37/37 (100%)	33/33 (100%)
FIRST INCIDENCE	549	508	460	250
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.002**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.005**	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=0.002**	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Olfactory Epithelium Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/49 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.30	1/45.25	0/45.92	1/43.68
POLY-3 PERCENT (g)	2.2%	2.2%	0%	2.3%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	731 (T)	701	---	712
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/49 (8%)	12/50 (24%)	23/50 (46%)
POLY-3 RATE (b)	3/45.87	4/46.35	12/47.06	23/45.02
POLY-3 PERCENT (g)	6.5%	8.6%	25.5%	51.1%
TERMINAL (d)	2/39 (5%)	1/37 (3%)	7/37 (19%)	17/33 (52%)
FIRST INCIDENCE	549	508	608	563
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.506	P=0.012*	P<0.001**
POLY 1.5	P<0.001**	P=0.504	P=0.012*	P<0.001**
POLY 6	P<0.001**	P=0.504	P=0.012*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.489	P=0.011*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.354	P=0.006**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet				
LESION RATES				
OVERALL (a)	34/50 (68%)	48/49 (98%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	34/46.17	48/49.00	50/50.00	50/50.00
POLY-3 PERCENT (g)	73.6%	98%	100%	100%
TERMINAL (d)	30/39 (77%)	36/37 (97%)	37/37 (100%)	33/33 (100%)
FIRST INCIDENCE	613	508	460	250
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	39/50 (78%)	48/49 (98%)	39/50 (78%)	39/50 (78%)
POLY-3 RATE (b)	39/47.77	48/49.00	39/49.09	39/47.03
POLY-3 PERCENT (g)	81.6%	98%	79.4%	82.9%
TERMINAL (d)	34/39 (87%)	36/37 (97%)	29/37 (78%)	27/33 (82%)
FIRST INCIDENCE	194	508	460	433
STATISTICAL TESTS				
POLY 3	P=0.242N	P=0.006**	P=0.493N	P=0.544
POLY 1.5	P=0.208N	P=0.004**	P=0.529N	P=0.556
POLY 6	P=0.275N	P=0.011*	P=0.453N	P=0.543
COCH-ARM / FISHERS	P=0.152N	P=0.002**	P=0.595N	P=0.595N
MAX-ISO-POLY-3	P=0.169N	P=0.002**	P=0.389N	P=0.431

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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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
Nose: Respiratory Epithelium Metaplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/49 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.30	1/45.34	0/45.92	1/43.61
POLY-3 PERCENT (g)	0%	2.2%	0%	2.3%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	1/33 (3%)
FIRST INCIDENCE	---	677	---	731 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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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
Ovary				
Angiectasis				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/48 (0%)	3/50 (6%)
POLY-3 RATE (b)	3/45.30	2/45.81	0/45.10	3/43.61
POLY-3 PERCENT (g)	6.6%	4.4%	0%	6.9%
TERMINAL (d)	3/39 (8%)	1/37 (3%)	0/37 (0%)	3/33 (9%)
FIRST INCIDENCE	731 (T)	698	---	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.468	P=0.495N	P=0.119N	P=0.645
POLY 1.5	P=0.475	P=0.493N	P=0.121N	P=0.654
POLY 6	P=0.460	P=0.501N	P=0.119N	P=0.631
COCH-ARM / FISHERS	P=0.486	P=0.500N	P=0.129N	P=0.661N
MAX-ISO-POLY-3	P=0.383N	P=0.320N	P=0.039N*	P=0.480

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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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
Ovary Cyst				
LESION RATES				
OVERALL (a)	14/50 (28%)	12/50 (24%)	12/48 (25%)	16/50 (32%)
POLY-3 RATE (b)	14/46.68	12/46.80	12/45.93	16/45.33
POLY-3 PERCENT (g)	30%	25.6%	26.1%	35.3%
TERMINAL (d)	11/39 (28%)	9/37 (24%)	9/37 (24%)	12/33 (36%)
FIRST INCIDENCE	527	583	608	250
STATISTICAL TESTS				
POLY 3	P=0.229	P=0.406N	P=0.428N	P=0.374
POLY 1.5	P=0.249	P=0.398N	P=0.431N	P=0.401
POLY 6	P=0.204	P=0.423N	P=0.430N	P=0.336
COCH-ARM / FISHERS	P=0.268	P=0.410N	P=0.458N	P=0.414
MAX-ISO-POLY-3	P=0.331	P=0.320N	P=0.340N	P=0.296

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Ovary Hemorrhage				
LESION RATES				
OVERALL (a)	12/50 (24%)	16/50 (32%)	7/48 (15%)	15/50 (30%)
POLY-3 RATE (b)	12/45.30	16/45.93	7/45.10	15/43.92
POLY-3 PERCENT (g)	26.5%	34.8%	15.5%	34.2%
TERMINAL (d)	12/39 (31%)	14/37 (38%)	7/37 (19%)	14/33 (42%)
FIRST INCIDENCE	731 (T)	698	731 (T)	644
STATISTICAL TESTS				
POLY 3	P=0.322	P=0.261	P=0.153N	P=0.288
POLY 1.5	P=0.342	P=0.267	P=0.158N	P=0.308
POLY 6	P=0.298	P=0.247	P=0.151N	P=0.260
COCH-ARM / FISHERS	P=0.370	P=0.252	P=0.178N	P=0.326
MAX-ISO-POLY-3	P=0.306	P=0.195	P=0.101N	P=0.219

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Ovary Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	3/48 (6%)	2/50 (4%)
POLY-3 RATE (b)	1/45.30	2/46.24	3/45.53	2/44.40
POLY-3 PERCENT (g)	2.2%	4.3%	6.6%	4.5%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	2/37 (5%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	634	608	433
STATISTICAL TESTS				
POLY 3	P=0.501	P=0.507	P=0.307	P=0.493
POLY 1.5	P=0.509	P=0.507	P=0.303	P=0.498
POLY 6	P=0.488	P=0.505	P=0.309	P=0.484
COCH-ARM / FISHERS	P=0.517	P=0.500	P=0.293	P=0.500
MAX-ISO-POLY-3	P=0.367	P=0.289	P=0.159	P=0.276

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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 First Dose M/F: 05/05/08 / 05/05/08
 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
Ovary: Corpus Luteum Hyperplasia				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/45.30	1/45.68	0/45.10	0/43.61
POLY-3 PERCENT (g)	6.6%	2.2%	0%	0%
TERMINAL (d)	3/39 (8%)	1/37 (3%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.111N	P=0.302N	P=0.119N	P=0.126N
POLY 1.5	P=0.111N	P=0.300N	P=0.121N	P=0.122N
POLY 6	P=0.112N	P=0.308N	P=0.119N	P=0.131N
COCH-ARM / FISHERS	P=0.109N	P=0.309N	P=0.129N	P=0.121N
MAX-ISO-POLY-3	P=0.031N*	P=0.153N	P=0.039N*	P=0.044N*

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Pancreas: Acinus Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/45.30	0/45.68	1/45.92	2/43.77
POLY-3 PERCENT (g)	2.2%	0%	2.2%	4.6%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	1/37 (3%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	---	731 (T)	688
STATISTICAL TESTS				
POLY 3	P=0.226	P=0.498N	P=0.758N	P=0.488
POLY 1.5	P=0.230	P=0.497N	P=0.757N	P=0.494
POLY 6	P=0.222	P=0.502N	P=0.760N	P=0.479
COCH-ARM / FISHERS	P=0.237	P=0.500N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.227	P=0.159N	P=0.495N	P=0.274

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Pituitary Gland Angiectasis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/49 (0%)	4/50 (8%)
POLY-3 RATE (b)	2/45.30	1/45.68	0/45.23	4/43.61
POLY-3 PERCENT (g)	4.4%	2.2%	0%	9.2%
TERMINAL (d)	2/39 (5%)	1/37 (3%)	0/37 (0%)	4/33 (12%)
FIRST INCIDENCE	731 (T)	731 (T)	---	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.094	P=0.497N	P=0.237N	P=0.320
POLY 1.5	P=0.096	P=0.495N	P=0.238N	P=0.329
POLY 6	P=0.091	P=0.503N	P=0.239N	P=0.306
COCH-ARM / FISHERS	P=0.102	P=0.500N	P=0.253N	P=0.339
MAX-ISO-POLY-3	P=0.078	P=0.279N	P=0.077N	P=0.191

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	17/50 (34%)	21/50 (42%)	19/49 (39%)	24/50 (48%)
POLY-3 RATE (b)	17/45.71	21/45.74	19/45.54	24/45.06
POLY-3 PERCENT (g)	37.2%	45.9%	41.7%	53.3%
TERMINAL (d)	16/39 (41%)	20/37 (54%)	17/37 (46%)	20/33 (61%)
FIRST INCIDENCE	613	717	677	536
STATISTICAL TESTS				
POLY 3	P=0.103	P=0.261	P=0.409	P=0.088
POLY 1.5	P=0.112	P=0.277	P=0.412	P=0.099
POLY 6	P=0.091	P=0.230	P=0.401	P=0.073
COCH-ARM / FISHERS	P=0.129	P=0.268	P=0.388	P=0.111
MAX-ISO-POLY-3	P=0.098	P=0.197	P=0.329	P=0.059

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Skeletal Muscle Infiltration Cellular Lymphocyte				
LESION RATES				
OVERALL (a)	3/3 (100%)	1/3 (33%)	0/1 (0%)	0/4 (0%)
POLY-3 RATE (b)	3/3.00	1/2.65	0/0.58	0/2.59
POLY-3 PERCENT (g)	100%	37.7%	0%	0%
TERMINAL (d)	0/0 (0%)	0/1 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	605	717	---	---
STATISTICAL TESTS				
POLY 3	P=0.010N**	P=0.202N	P=0.250N	P<0.001N**
POLY 1.5	P=0.006N**	P=0.178N	P=0.250N	P<0.001N**
POLY 6	P=0.036N*	P=0.255N	P=0.250N	P=0.004N**
COCH-ARM / FISHERS	P=0.043N*	P=0.200N	P=0.250N	P=0.029N*
MAX-ISO-POLY-3	P=0.002N**	P=0.033N*	(e)	P<0.001N**

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Skin				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.30	0/45.68	1/46.43	2/43.61
POLY-3 PERCENT (g)	0%	0%	2.2%	4.6%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	2/33 (6%)
FIRST INCIDENCE	---	---	576	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.083	(e)	P=0.505	P=0.229
POLY 1.5	P=0.085	(e)	P=0.504	P=0.233
POLY 6	P=0.079	(e)	P=0.504	P=0.222
COCH-ARM / FISHERS	P=0.089	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.080	(e)	P=0.165	P=0.076

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/45.47	0/45.68	1/46.34	3/43.90
POLY-3 PERCENT (g)	2.2%	0%	2.2%	6.8%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	1/33 (3%)
FIRST INCIDENCE	686	---	608	688
STATISTICAL TESTS				
POLY 3	P=0.076	P=0.499N	P=0.756N	P=0.293
POLY 1.5	P=0.078	P=0.497N	P=0.756N	P=0.299
POLY 6	P=0.074	P=0.503N	P=0.758N	P=0.283
COCH-ARM / FISHERS	P=0.081	P=0.500N	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.085	P=0.159N	P=0.494N	P=0.149

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	4/50 (8%)	3/50 (6%)	3/50 (6%)	2/49 (4%)
POLY-3 RATE (b)	4/46.10	3/46.59	3/46.23	2/42.92
POLY-3 PERCENT (g)	8.7%	6.4%	6.5%	4.7%
TERMINAL (d)	2/39 (5%)	0/37 (0%)	2/37 (5%)	2/33 (6%)
FIRST INCIDENCE	527	583	644	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.348N	P=0.494N	P=0.498N	P=0.371N
POLY 1.5	P=0.337N	P=0.492N	P=0.495N	P=0.359N
POLY 6	P=0.361N	P=0.501N	P=0.506N	P=0.387N
COCH-ARM / FISHERS	P=0.319N	P=0.500N	P=0.500N	P=0.349N
MAX-ISO-POLY-3	P=0.379N	P=0.343N	P=0.346N	P=0.233N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Spleen: Lymphoid Follicle Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/45.30	0/45.68	1/45.92	0/42.92
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	1/37 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Stomach, Forestomach Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/45.30	1/45.68	2/45.92	2/44.21
POLY-3 PERCENT (g)	2.2%	2.2%	4.4%	4.5%
TERMINAL (d)	1/39 (3%)	1/37 (3%)	2/37 (5%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	536
STATISTICAL TESTS				
POLY 3	P=0.381	P=0.759N	P=0.505	P=0.492
POLY 1.5	P=0.386	P=0.757N	P=0.506	P=0.497
POLY 6	P=0.373	P=0.759	P=0.501	P=0.484
COCH-ARM / FISHERS	P=0.393	P=0.753N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.442	P=0.497N	P=0.286	P=0.276

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Stomach, Forestomach Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.30	0/45.68	0/45.92	1/43.86
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	663
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Stomach, Glandular Inflammation Chronic				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.30	0/45.68	0/45.92	0/43.61
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/39 (3%)	0/37 (0%)	0/37 (0%)	0/33 (0%)
FIRST INCIDENCE	731 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Stomach, Glandular: Glands Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.30	0/45.68	2/45.92	1/43.61
POLY-3 PERCENT (g)	0%	0%	4.4%	2.3%
TERMINAL (d)	0/39 (0%)	0/37 (0%)	2/37 (5%)	1/33 (3%)
FIRST INCIDENCE	---	---	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.359	(e)	P=0.240	P=0.492
POLY 1.5	P=0.366	(e)	P=0.241	P=0.496
POLY 6	P=0.348	(e)	P=0.238	P=0.486
COCH-ARM / FISHERS	P=0.377	(e)	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.185	(e)	P=0.079	P=0.158

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
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 First Dose M/F: 05/05/08 / 05/05/08
 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
Thymus Atrophy				
LESION RATES				
OVERALL (a)	2/44 (5%)	0/46 (0%)	0/45 (0%)	1/45 (2%)
POLY-3 RATE (b)	2/42.16	0/43.01	0/42.29	1/40.21
POLY-3 PERCENT (g)	4.7%	0%	0%	2.5%
TERMINAL (d)	0/35 (0%)	0/36 (0%)	0/36 (0%)	0/32 (0%)
FIRST INCIDENCE	194	---	---	250
STATISTICAL TESTS				
POLY 3	P=0.671N	P=0.233N	P=0.236N	P=0.517N
POLY 1.5	P=0.671N	P=0.230N	P=0.235N	P=0.507N
POLY 6	P=0.671N	P=0.236N	P=0.239N	P=0.528N
COCH-ARM / FISHERS	P=0.670N	P=0.236N	P=0.242N	P=0.491N
MAX-ISO-POLY-3	P=0.155N	P=0.074N	P=0.076N	P=0.300N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Thyroid Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/48 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/45.30	1/44.18	2/45.92	2/43.84
POLY-3 PERCENT (g)	0%	2.3%	4.4%	4.6%
TERMINAL (d)	0/39 (0%)	1/36 (3%)	2/37 (5%)	1/33 (3%)
FIRST INCIDENCE	---	731 (T)	731 (T)	669
STATISTICAL TESTS				
POLY 3	P=0.233	P=0.495	P=0.240	P=0.230
POLY 1.5	P=0.239	P=0.496	P=0.241	P=0.234
POLY 6	P=0.224	P=0.492	P=0.238	P=0.224
COCH-ARM / FISHERS	P=0.246	P=0.490	P=0.247	P=0.247
MAX-ISO-POLY-3	P=0.165	P=0.156	P=0.079	P=0.076

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Thyroid Gland: Follicular Cell Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/48 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/45.30	1/44.18	2/46.11	3/43.89
POLY-3 PERCENT (g)	2.2%	2.3%	4.3%	6.8%
TERMINAL (d)	1/39 (3%)	1/36 (3%)	1/37 (3%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	681	691
STATISTICAL TESTS				
POLY 3	P=0.180	P=0.755	P=0.506	P=0.294
POLY 1.5	P=0.185	P=0.756	P=0.506	P=0.300
POLY 6	P=0.174	P=0.752	P=0.504	P=0.285
COCH-ARM / FISHERS	P=0.192	P=0.742	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.222	P=0.492	P=0.288	P=0.149

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
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Date Report Requested: 03/08/2013
 Time Report Requested: 14:13:47
 First Dose M/F: 05/05/08 / 05/05/08
 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
Tooth Dysplasia				
LESION RATES				
OVERALL (a)	1/1 (100%)	0/0 (0%)	2/2 (100%)	3/4 (75%)
POLY-3 RATE (b)	1/1.00	0/0.00	2/2.00	3/4.00
POLY-3 PERCENT (g)	100%	0%	100%	75%
TERMINAL (d)	1/1 (100%)	0/0 (0%)	2/2 (100%)	2/3 (67%)
FIRST INCIDENCE	731 (T)	---	731 (T)	699
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.749N
POLY 1.5	(e)	(e)	(e)	P=0.749N
POLY 6	(e)	(e)	(e)	P=0.749N
COCH-ARM / FISHERS	P=0.506N	(e)	(e)	P=0.800N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.361N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 Metal working fluids (CIMSTAR 3800)
 CAS Number: CIMSTAR3800

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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
Tooth Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/1 (0%)	0/0 (0%)	0/2 (0%)	2/4 (50%)
POLY-3 RATE (b)	0/1.00	0/0.00	0/2.00	2/4.00
POLY-3 PERCENT (g)	0%	0%	0%	50%
TERMINAL (d)	0/1 (0%)	0/0 (0%)	0/2 (0%)	1/3 (33%)
FIRST INCIDENCE	---	---	---	699
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.577
POLY 1.5	(e)	(e)	(e)	P=0.577
POLY 6	(e)	(e)	(e)	P=0.577
COCH-ARM / FISHERS	P=0.244	(e)	(e)	P=0.600
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.270

Experiment Number: 20515 - 04
 Test Type: CHRONIC
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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
Uterus				
Angiectasis				
LESION RATES				
OVERALL (a)	5/50 (10%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	5/45.30	3/45.89	1/45.92	1/43.61
POLY-3 PERCENT (g)	11%	6.5%	2.2%	2.3%
TERMINAL (d)	5/39 (13%)	2/37 (5%)	1/37 (3%)	1/33 (3%)
FIRST INCIDENCE	731 (T)	677	731 (T)	731 (T)
STATISTICAL TESTS				
POLY 3	P=0.104N	P=0.349N	P=0.098N	P=0.110N
POLY 1.5	P=0.102N	P=0.347N	P=0.098N	P=0.106N
POLY 6	P=0.108N	P=0.356N	P=0.100N	P=0.117N
COCH-ARM / FISHERS	P=0.097N	P=0.357N	P=0.102N	P=0.102N
MAX-ISO-POLY-3	P=0.062N	P=0.227N	P=0.044N*	P=0.052N

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 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
Uterus Dilatation				
LESION RATES				
OVERALL (a)	6/50 (12%)	5/50 (10%)	8/50 (16%)	6/50 (12%)
POLY-3 RATE (b)	6/45.61	5/47.50	8/48.42	6/44.80
POLY-3 PERCENT (g)	13.2%	10.5%	16.5%	13.4%
TERMINAL (d)	4/39 (10%)	1/37 (3%)	1/37 (3%)	2/33 (6%)
FIRST INCIDENCE	677	552	460	536
STATISTICAL TESTS				
POLY 3	P=0.504	P=0.472N	P=0.434	P=0.608
POLY 1.5	P=0.518	P=0.477N	P=0.421	P=0.616
POLY 6	P=0.487	P=0.471N	P=0.444	P=0.596
COCH-ARM / FISHERS	P=0.541	P=0.500N	P=0.387	P=0.620N
MAX-ISO-POLY-3	P=0.528	P=0.350N	P=0.329	P=0.486

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 Test Type: CHRONIC
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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
Uterus				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	3/50 (6%)	4/50 (8%)
POLY-3 RATE (b)	2/45.30	2/46.15	3/46.47	4/43.77
POLY-3 PERCENT (g)	4.4%	4.3%	6.5%	9.1%
TERMINAL (d)	2/39 (5%)	0/37 (0%)	1/37 (3%)	3/33 (9%)
FIRST INCIDENCE	731 (T)	634	608	688
STATISTICAL TESTS				
POLY 3	P=0.217	P=0.687N	P=0.512	P=0.321
POLY 1.5	P=0.225	P=0.687N	P=0.510	P=0.330
POLY 6	P=0.207	P=0.690N	P=0.511	P=0.309
COCH-ARM / FISHERS	P=0.236	P=0.691N	P=0.500	P=0.339
MAX-ISO-POLY-3	P=0.294	P=0.492N	P=0.336	P=0.192

Experiment Number: 20515 - 04
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 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
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	28/50 (56%)	29/50 (58%)	33/50 (66%)	34/50 (68%)
POLY-3 RATE (b)	28/46.74	29/46.16	33/46.42	34/45.16
POLY-3 PERCENT (g)	59.9%	62.8%	71.1%	75.3%
TERMINAL (d)	25/39 (64%)	27/37 (73%)	31/37 (84%)	29/33 (88%)
FIRST INCIDENCE	345	635	644	563
STATISTICAL TESTS				
POLY 3	P=0.063	P=0.469	P=0.173	P=0.080
POLY 1.5	P=0.083	P=0.498	P=0.195	P=0.106
POLY 6	P=0.045*	P=0.419	P=0.143	P=0.054
COCH-ARM / FISHERS	P=0.126	P=0.500	P=0.206	P=0.151
MAX-ISO-POLY-3	P=0.087	P=0.383	P=0.122	P=0.053

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Test Type: CHRONIC
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Species/Strain: MICE/B6C3F1

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LEGEND

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

*** END OF REPORT ***