

Experiment Number: 20727 - 02
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ortho-Phthalaldehyde
CAS Number: 643-79-8

Date Report Requested: 10/16/2015
Time Report Requested: 12:33:56
First Dose M/F: 01/19/09 / 01/19/09
Lab: BNW

F1_Rev.2_M3

NTP Study Number: C20727
Lock Date: 08/21/2009
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF ORTHO-PHTHALALDEHYDE

MALE MICE

Organ

Bone Marrow
Epididymis: Duct
Eye: Cornea
Gallbladder
Larynx

Lung: Bronchiole, Goblet Cell
Lung: Bronchus

Nose
Nose: Glands, Respiratory Epithelium
Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands
Nose: Respiratory Epithelium

Nose: Turbinate
Skin

Skin: Adnexa
Skin: Epidermis
Skin: Hair Follicle, Epithelium
Skin: Hair Follicle, Epithelium, Pinna
Skin: Pinna

Morphology

Hyperplasia
Exfoliated Germ Cell
Inflammation
Inflammation Neutrophil
Inflammation Chronic
Metaplasia
Necrosis
Hyperplasia
Inflammation Chronic
Necrosis
Inflammation
Accumulation, Hyaline Droplet
Accumulation, Hyaline Droplet
Atrophy
Metaplasia
Metaplasia Respiratory
Necrosis
Hyperplasia
Accumulation, Hyaline Droplet
Metaplasia
Necrosis
Regeneration
Ulcer
Atrophy
Hyperplasia
Inflammation Chronic
Degeneration
Necrosis
Parakeratosis
Parakeratosis
Hyperplasia
Inflammation Chronic

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF ORTHO-PHTHALALDEHYDE

Skin: Pinna, Adnexa
Spleen
Testes: Germinal Epithelium
Testes: Interstitial Cell
Thymus
Trachea

Degeneration
Atrophy Lymphoid
Depletion Cellular Focal
Atrophy
Atrophy Lymphoid
Inflammation Chronic
Metaplasia
Necrosis
Regeneration

FEMALE MICE

Organ

Bone Marrow
Eye: Cornea

Larynx

Lung: Bronchiole, Goblet Cell
Lung: Bronchus

Nose
Nose: Glands, Respiratory Epithelium
Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands
Nose: Respiratory Epithelium

Nose: Turbinate

Morphology

Hyperplasia
Inflammation
Necrosis
Inflammation Chronic
Metaplasia
Necrosis
Regeneration
Hyperplasia
Inflammation Chronic
Necrosis
Ulcer
Inflammation
Accumulation, Hyaline Droplet
Accumulation, Hyaline Droplet
Atrophy
Metaplasia Respiratory
Hyperplasia
Accumulation, Hyaline Droplet
Metaplasia
Necrosis
Regeneration
Ulcer
Atrophy

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF ORTHO-PHTHALALDEHYDE

Skin	Hyperplasia
	Inflammation Chronic
Skin: Adnexa	Degeneration
Skin: Epidermis	Necrosis
Skin: Hair Follicle, Epithelium	Parakeratosis
Skin: Hair Follicle, Epithelium, Pinna	Parakeratosis
Skin: Pinna	Hyperplasia
	Inflammation Chronic
Skin: Pinna, Adnexa	Degeneration
Spleen	Atrophy Lymphoid
Thymus	Atrophy Lymphoid
Trachea	Inflammation Chronic
	Metaplasia
	Necrosis
	Regeneration

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Bone Marrow Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	5/10 (50%)	7/10 (70%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	2/10.00	5/10.00	7/7.00
POLY-3 PERCENT (g)	0%	0%	0%	20%	50%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.227	P=0.008**	P<0.001**
POLY 1.5	(e)	(e)	(e)	P=0.227	P=0.008**	P<0.001**
POLY 6	(e)	(e)	(e)	P=0.227	P=0.008**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.237	P=0.016*	P=0.002**
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.067	P=0.002**	P<0.001**

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 Species/Strain: MICE/B6C3F1

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Epididymis: Duct Exfoliated Germ Cell						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	4/7.15	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	55.9%	99.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/5 (40%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	32	5
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.007**	P=0.243
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.010**	P=0.246
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.007**	P=0.243
COCH-ARM / FISHERS	P=0.061	(e)	(e)	(e)	P=0.043*	P=0.500
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.004**	P=0.134

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Esophagus						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/5.26	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	99.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	5
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.243
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.246
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.196	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.134

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Esophagus						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/5.26	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	99.9%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	5
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.243
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.246
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.196	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.134

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Eye: Cornea Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	1/6.19	4/4.00
POLY-3 PERCENT (g)	0%	10%	0%	0%	16.2%	100%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	---	---	39	4
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.500	(e)	(e)	P=0.407	P<0.001**
POLY 1.5	P<0.001**	P=0.500	(e)	(e)	P=0.426	P<0.001**
POLY 6	P<0.001**	P=0.500	(e)	(e)	P=0.402	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	(e)	(e)	P=0.500	P=0.043*
MAX-ISO-POLY-3	P<0.001**	P=0.158	(e)	(e)	P=0.153	P<0.001**

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Eye: Cornea						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/6.19	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	16.2%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	39	---
STATISTICAL TESTS						
POLY 3	P=0.093	(e)	(e)	(e)	P=0.407	(e)
POLY 1.5	P=0.091	(e)	(e)	(e)	P=0.426	(e)
POLY 6	P=0.097	(e)	(e)	(e)	P=0.402	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.169	(e)	(e)	(e)	P=0.153	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Gallbladder Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/9 (0%)	0/9 (0%)	0/3 (0%)
POLY-3 RATE (b)	4/10.00	0/0.00	0/0.00	0/9.00	0/5.19	0/0.00
POLY-3 PERCENT (g)	40%	0%	0%	0%	0%	0%
TERMINAL (d)	4/10 (40%)	0/0 (0%)	0/0 (0%)	0/9 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	95 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.044N*	P=0.160N	P=0.732N
POLY 1.5	(e)	(e)	(e)	P=0.044N*	P=0.125N	P=0.727N
POLY 6	(e)	(e)	(e)	P=0.044N*	P=0.170N	P=0.294N
COCH-ARM / FISHERS	P=0.035N*	(e)	(e)	P=0.054N	P=0.054N	P=0.294N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.012N*	P=0.102N	P=0.499N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Kidney						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.380	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.406	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.372	(e)
COCH-ARM / FISHERS	P=0.696	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.150	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Kidney Nephropathy						
LESION RATES						
OVERALL (a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	1/10.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	20%	0%	0%	10%	19%	0%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	95 (T)	---	---	95 (T)	95 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	P=0.500N	P=0.707N	P=0.702N
POLY 1.5	(e)	(e)	(e)	P=0.500N	P=0.666N	P=0.696N
POLY 6	(e)	(e)	(e)	P=0.500N	P=0.719N	P=0.237N
COCH-ARM / FISHERS	P=0.143N	(e)	(e)	P=0.500N	P=0.500N	P=0.237N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.274N	P=0.487N	P=0.499N

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	4/10 (40%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	4/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	40%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	4/10 (40%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.033*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.033*	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P=0.033*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.043*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.007**	(e)	(e)

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/9 (11%)	10/10 (100%)	10/10 (100%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/9.00	10/10.00	10/10.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	11.1%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/9 (11%)	10/10 (100%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	95 (T)	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.479	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.479	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.479	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.474	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.150	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	1/10 (10%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	1/6.19	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	16.2%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	39	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.407	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.426	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.402	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.500	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.153	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx						
Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	1/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	95 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.319	(e)	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.358	(e)	(e)	P=0.500	(e)	(e)
POLY 6	P=0.308	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.694N	(e)	(e)	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.578	(e)	(e)	P=0.158	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Liver						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	2/7.15	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	28%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	33	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.154	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.167	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.150	(e)
COCH-ARM / FISHERS	P=0.597	(e)	(e)	(e)	P=0.237	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.060	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchiole, Goblet Cell Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	4/7.15	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	55.9%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/5 (40%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	32	---
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.007**	(e)
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.010**	(e)
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.007**	(e)
COCH-ARM / FISHERS	P=0.245	(e)	(e)	(e)	P=0.043*	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.004**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/5.26	6/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.380	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.406	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.372	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.500	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.150	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.118	(e)	(e)	(e)	P=0.380	(e)
POLY 1.5	P=0.094	(e)	(e)	(e)	P=0.406	(e)
POLY 6	P=0.127	(e)	(e)	(e)	P=0.372	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.215	(e)	(e)	(e)	P=0.150	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/7.15	9/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	28%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.154	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.167	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.150	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.237	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.060	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/6.19	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	16.2%	99.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	39	3
STATISTICAL TESTS						
POLY 3	P=0.080	(e)	(e)	(e)	P=0.407	P=0.243
POLY 1.5	P=0.078	(e)	(e)	(e)	P=0.426	P=0.246
POLY 6	P=0.081	(e)	(e)	(e)	P=0.402	P=0.243
COCH-ARM / FISHERS	P=0.103	(e)	(e)	(e)	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.145	(e)	(e)	(e)	P=0.153	P=0.134

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Perivascular Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.118	(e)	(e)	(e)	P=0.380	(e)
POLY 1.5	P=0.094	(e)	(e)	(e)	P=0.406	(e)
POLY 6	P=0.127	(e)	(e)	(e)	P=0.372	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.215	(e)	(e)	(e)	P=0.150	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lymph Node: Deep Cervical Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	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**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	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**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Glands, Respiratory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	0/10 (0%)	7/10 (70%)	10/10 (100%)	6/10 (60%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	7/10.00	10/10.00	6/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	70%	100%	60%	0%	0%
TERMINAL (d)	0/10 (0%)	7/10 (70%)	10/10 (100%)	6/10 (60%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	---	---
STATISTICAL TESTS						
POLY 3	P=0.451	P<0.001**	P<0.001**	P<0.001**	(e)	(e)
POLY 1.5	P=0.451N	P<0.001**	P<0.001**	P<0.001**	(e)	(e)
POLY 6	P=0.375	P<0.001**	P<0.001**	P<0.001**	(e)	(e)
COCH-ARM / FISHERS	P<0.001N**	P=0.002**	P<0.001**	P=0.005**	(e)	(e)
MAX-ISO-POLY-3	P=0.774	P<0.001**	(e)	P<0.001**	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	9/10 (90%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	9/10.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	90%	0%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	4/5 (80%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	32	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.003N**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	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**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	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**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	1/10 (10%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	2/10.00	1/10.00	2/6.22	0/0.00
POLY-3 PERCENT (g)	0%	0%	20%	10%	32.2%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	1/10 (10%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	95 (T)	95 (T)	33	---
STATISTICAL TESTS						
POLY 3	P=0.038*	(e)	P=0.227	P=0.500	P=0.130	(e)
POLY 1.5	P=0.045*	(e)	P=0.227	P=0.500	P=0.147	(e)
POLY 6	P=0.037*	(e)	P=0.227	P=0.500	P=0.125	(e)
COCH-ARM / FISHERS	P=0.573N	(e)	P=0.237	P=0.500	P=0.237	(e)
MAX-ISO-POLY-3	P=0.068	(e)	P=0.067	P=0.158	P=0.058	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Metaplasia Respiratory						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	8/10 (80%)	10/10 (100%)	4/10 (40%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	8/10.00	10/10.00	4/5.26	0/0.00
POLY-3 PERCENT (g)	0%	10%	80%	100%	76%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	8/10 (80%)	10/10 (100%)	4/5 (80%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	95 (T)	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.500	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P=0.500	P<0.001**	P<0.001**	P=0.003**	(e)
POLY 6	P<0.001**	P=0.500	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.106N	P=0.500	P<0.001**	P<0.001**	P=0.043*	(e)
MAX-ISO-POLY-3	P<0.001**	P=0.158	P<0.001**	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/5.26	5/5.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.016*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium, Glands Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	7/10 (70%)	6/10 (60%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	7/10.00	6/7.12	0/0.00
POLY-3 PERCENT (g)	0%	100%	100%	70%	84.3%	0%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	7/10 (70%)	4/5 (80%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	39	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.002N**	P<0.001**	P<0.001**	P=0.002**	P=0.005**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P<0.001**	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	10/10.00	0/0.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%	0%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	32	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P=0.004N**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.004N**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	10/10.00	6/6.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	32	4
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	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**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.404	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	2/10 (20%)	6/10 (60%)	5/10 (50%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	2/10.00	6/10.00	5/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	20%	60%	50%	90%	100%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	6/10 (60%)	5/10 (50%)	4/5 (80%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.227	P<0.001**	P=0.008**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.227	P<0.001**	P=0.008**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.227	P<0.001**	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.237	P=0.005**	P=0.016*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.067	P<0.001**	P=0.002**	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	1/10 (10%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	1/6.19	4/4.00
POLY-3 PERCENT (g)	0%	0%	10%	0%	16.2%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	95 (T)	---	39	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.500	(e)	P=0.407	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.500	(e)	P=0.426	P<0.001**
POLY 6	P<0.001**	(e)	P=0.500	(e)	P=0.402	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	(e)	P=0.500	P=0.043*
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.158	(e)	P=0.153	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	3/10 (30%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	3/10.00	0/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	30%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	3/10 (30%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	95 (T)	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.581N	(e)	P=0.095	(e)	(e)	(e)
POLY 1.5	P=0.521N	(e)	P=0.095	(e)	(e)	(e)
POLY 6	P=0.598N	(e)	P=0.095	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.277N	(e)	P=0.105	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.833	(e)	P=0.024*	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Turbinate Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	4/10 (40%)	6/10 (60%)	10/10 (100%)	8/10 (80%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	4/10.00	6/10.00	10/10.00	8/8.14	0/0.00
POLY-3 PERCENT (g)	0%	40%	60%	100%	98.3%	0%
TERMINAL (d)	0/10 (0%)	4/10 (40%)	6/10 (60%)	10/10 (100%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	32	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.033*	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P=0.033*	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P=0.033*	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.165N	P=0.043*	P=0.005**	P<0.001**	P<0.001**	(e)
MAX-ISO-POLY-3	P<0.001**	P=0.007**	P<0.001**	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Pancreas Cyst						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Preputial Gland Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.380	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.406	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.372	(e)
COCH-ARM / FISHERS	P=0.696	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.150	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Seminal Vesicle Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.380	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.406	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.372	(e)
COCH-ARM / FISHERS	P=0.696	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.150	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/9 (0%)	9/10 (90%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/9.00	9/10.00	4/4.00
POLY-3 PERCENT (g)	0%	10%	0%	0%	90%	100%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/9 (0%)	4/5 (80%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	---	---	32	4
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.500	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.500	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.500	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	(e)	(e)	P<0.001**	P=0.043*
MAX-ISO-POLY-3	P<0.001**	P=0.158	(e)	(e)	P<0.001**	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/9 (11%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/9.00	10/10.00	9/9.00
POLY-3 PERCENT (g)	0%	0%	0%	11.1%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/9 (11%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.479	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.479	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P=0.479	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.474	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.150	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin						
Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.115	(e)	(e)	(e)	P=0.380	(e)
POLY 1.5	P=0.093	(e)	(e)	(e)	P=0.406	(e)
POLY 6	P=0.124	(e)	(e)	(e)	P=0.372	(e)
COCH-ARM / FISHERS	P=0.586	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.210	(e)	(e)	(e)	P=0.150	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Adnexa Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	2/10 (20%)	0/10 (0%)	4/9 (44%)	1/10 (10%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	2/10.00	0/10.00	4/9.00	1/5.26	6/6.00
POLY-3 PERCENT (g)	0%	20%	0%	44.4%	19%	100%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	0/10 (0%)	4/9 (44%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	---	95 (T)	95 (T)	4
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.227	(e)	P=0.021*	P=0.380	P<0.001**
POLY 1.5	P<0.001**	P=0.227	(e)	P=0.021*	P=0.406	P<0.001**
POLY 6	P<0.001**	P=0.227	(e)	P=0.021*	P=0.372	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.237	(e)	P=0.033*	P=0.500	P=0.005**
MAX-ISO-POLY-3	P<0.001**	P=0.067	(e)	P=0.005**	P=0.150	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Epidermis						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	0/5.26	3/3.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	4
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.003**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.004**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.003**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P=0.006**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Hair Follicle, Epithelium Parakeratosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	3/10 (30%)	4/10 (40%)	2/9 (22%)	2/10 (20%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	3/10.00	4/10.00	2/9.00	2/7.12	10/10.00
POLY-3 PERCENT (g)	0%	30%	40%	22.2%	28.1%	100%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	4/10 (40%)	2/9 (22%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	39	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.095	P=0.033*	P=0.201	P=0.153	P<0.001**
POLY 1.5	P<0.001**	P=0.095	P=0.033*	P=0.201	P=0.165	P<0.001**
POLY 6	P<0.001**	P=0.095	P=0.033*	P=0.201	P=0.150	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.105	P=0.043*	P=0.211	P=0.237	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.024*	P=0.007**	P=0.060	P=0.060	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Hair Follicle, Epithelium, Pinna Parakeratosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	0/5.26	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Pinna Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	0/5.26	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Pinna						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	0/5.26	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Pinna, Adnexa Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/9.00	0/5.26	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Spleen						
Atrophy Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	0/5.26	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Stomach, Forestomach Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/10 (10%)	0/9 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00	1/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	19%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	95 (T)	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.380	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.406	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.372	(e)
COCH-ARM / FISHERS	P=0.685	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.150	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Testes: Germinal Epithelium						
Depletion Cellular Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	2/10 (20%)	1/10 (10%)	0/10 (0%)	7/10 (70%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	1/10.00	0/10.00	7/9.07	0/0.00
POLY-3 PERCENT (g)	0%	20%	10%	0%	77.2%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	1/10 (10%)	0/10 (0%)	3/5 (60%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	---	32	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.227	P=0.500	(e)	P<0.001**	(e)
POLY 1.5	P<0.001**	P=0.227	P=0.500	(e)	P<0.001**	(e)
POLY 6	P<0.001**	P=0.227	P=0.500	(e)	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.392	P=0.237	P=0.500	(e)	P=0.002**	(e)
MAX-ISO-POLY-3	P<0.001**	P=0.067	P=0.158	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Testes: Interstitial Cell Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	3/8.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	37.1%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	33	---
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.059	(e)
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.064	(e)
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.057	(e)
COCH-ARM / FISHERS	P=0.314	(e)	(e)	(e)	P=0.105	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.021*	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Testes: Seminiferous Tubule						
Dilation Focal						
LESION RATES						
OVERALL (a)	0/10 (0%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	0/10.00	0/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	20%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	95 (T)	---	---	---	---
STATISTICAL TESTS						
POLY 3	P=0.290N	P=0.227	(e)	(e)	(e)	(e)
POLY 1.5	P=0.269N	P=0.227	(e)	(e)	(e)	(e)
POLY 6	P=0.296N	P=0.227	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.285N	P=0.237	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.529N	P=0.067	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Thymus						
Atrophy Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/9 (56%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	5/9.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	55.6%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	33	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.003**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.003**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.003**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.011*	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	9/9.04	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	99.5%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	95 (T)	32	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.500	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.500	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P=0.500	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.500	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.158	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	10/10 (100%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	3/10.00	10/10.00	3/3.00
POLY-3 PERCENT (g)	0%	0%	0%	30%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	95 (T)	32	5
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.095	P<0.001**	P=0.003**
POLY 1.5	P<0.001**	(e)	(e)	P=0.095	P<0.001**	P=0.004**
POLY 6	P<0.001**	(e)	(e)	P=0.095	P<0.001**	P=0.003**
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	P=0.105	P<0.001**	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.024*	(e)	P=0.006**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/5.26	9/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/5.26	5/5.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.016*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Males					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea						
Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/5.26	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Bone Marrow Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	8/10 (80%)	0/7 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	8/9.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	88.9%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/6 (83%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	17	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P<0.001**	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P<0.001**	(e)
POLY 6	(e)	(e)	(e)	(e)	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.417	(e)	(e)	(e)	P<0.001**	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Esophagus						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Esophagus						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Eye: Cornea Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	3/8 (38%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/8.01	3/3.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	25%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	18	4
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.176	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.178	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.176	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.237	P=0.069
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.063	P=0.002**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Eye: Cornea						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/8 (25%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	2/2.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	4
STATISTICAL TESTS						
POLY 3	P=0.022*	(e)	(e)	(e)	(e)	P=0.029*
POLY 1.5	P=0.023*	(e)	(e)	(e)	(e)	P=0.030*
POLY 6	P=0.022*	(e)	(e)	(e)	(e)	P=0.029*
COCH-ARM / FISHERS	P=0.005**	(e)	(e)	(e)	(e)	P=0.183
MAX-ISO-POLY-3	P=0.002**	(e)	(e)	(e)	(e)	P=0.025*

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Gallbladder Inflammation Neutrophil						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/9 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/6.07	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Kidney						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Kidney Nephropathy						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	96 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.593N	P=0.760N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.584N	P=0.758N
POLY 6	(e)	(e)	(e)	(e)	P=0.595N	P=0.500N
COCH-ARM / FISHERS	P=0.267N	(e)	(e)	(e)	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.272N	P=0.499N

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	90%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/6 (83%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	3/10 (30%)	10/10 (100%)	10/10 (100%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	3/10.00	10/10.00	10/10.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	30%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	3/10 (30%)	10/10 (100%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	96 (T)	96 (T)	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	P=0.095	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.095	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.095	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.105	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	P=0.024*	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	3/9.01	9/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	33.3%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.076	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.077	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.076	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.105	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.023*	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	3/3.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	5
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.003**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.004**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.003**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P=0.006**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Larynx Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	99.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	6
STATISTICAL TESTS						
POLY 3	P=0.424	(e)	(e)	(e)	(e)	P=0.243
POLY 1.5	P=0.404	(e)	(e)	(e)	(e)	P=0.246
POLY 6	P=0.423	(e)	(e)	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.068	(e)	(e)	(e)	(e)	P=0.134

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Liver						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/7.07	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	14.1%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	18	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.432	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.439	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.430	(e)
COCH-ARM / FISHERS	P=0.733	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.154	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchiole, Goblet Cell Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	6/9.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	66.7%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/6 (50%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	17	---
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.154	(e)	(e)	(e)	P=0.005**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	6/8.01	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	75%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/6 (67%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	18	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/7.01	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	28.5%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/6 (17%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	39	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.150	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.154	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.150	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.237	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.060	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	1/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	99.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	6
STATISTICAL TESTS						
POLY 3	P=0.424	(e)	(e)	(e)	(e)	P=0.243
POLY 1.5	P=0.404	(e)	(e)	(e)	(e)	P=0.246
POLY 6	P=0.423	(e)	(e)	(e)	(e)	P=0.243
COCH-ARM / FISHERS	P=0.105	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.068	(e)	(e)	(e)	(e)	P=0.134

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Bronchus Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	2/2.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	4
STATISTICAL TESTS						
POLY 3	P=0.058	(e)	(e)	(e)	(e)	P=0.040*
POLY 1.5	P=0.057	(e)	(e)	(e)	(e)	P=0.042*
POLY 6	P=0.057	(e)	(e)	(e)	(e)	P=0.040*
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	P=0.006**	(e)	(e)	(e)	(e)	P=0.036*

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lung: Perivascular Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Lymph Node: Deep Cervical Hyperplasia Lymphoid						
LESION RATES						
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	1/1.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	100%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/1 (100%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	96 (T)	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	10/10.00	6/6.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	4	4
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	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**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.404	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Glands, Respiratory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	0/10 (0%)	9/10 (90%)	10/10 (100%)	6/10 (60%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	9/10.00	10/10.00	6/10.00	2/6.08	0/0.00
POLY-3 PERCENT (g)	0%	90%	100%	60%	32.9%	0%
TERMINAL (d)	0/10 (0%)	9/10 (90%)	10/10 (100%)	6/10 (60%)	2/6 (33%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	96 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.320	P<0.001**	P<0.001**	P<0.001**	P=0.127	(e)
POLY 1.5	P=0.414	P<0.001**	P<0.001**	P<0.001**	P=0.135	(e)
POLY 6	P=0.301	P<0.001**	P<0.001**	P<0.001**	P=0.125	(e)
COCH-ARM / FISHERS	P<0.001N**	P<0.001**	P<0.001**	P=0.005**	P=0.237	(e)
MAX-ISO-POLY-3	P=0.581	P<0.001**	(e)	P<0.001**	P=0.057	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/10 (60%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	6/7.07	0/0.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	84.8%	0%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	5/6 (83%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	17	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P<0.001N**	P<0.001**	P<0.001**	P<0.001**	P=0.005**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	9/10 (90%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	9/9.01	9/9.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	99.9%	100%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	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**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.023*	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Metaplasia Respiratory						
LESION RATES						
OVERALL (a)	0/10 (0%)	3/10 (30%)	6/10 (60%)	3/10 (30%)	4/10 (40%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	3/10.00	6/10.00	3/10.00	4/6.08	0/0.00
POLY-3 PERCENT (g)	0%	30%	60%	30%	65.8%	0%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	6/10 (60%)	3/10 (30%)	4/6 (67%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	96 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.014*	P=0.095	P<0.001**	P=0.095	P=0.003**	(e)
POLY 1.5	P=0.018*	P=0.095	P<0.001**	P=0.095	P=0.004**	(e)
POLY 6	P=0.014*	P=0.095	P<0.001**	P=0.095	P=0.003**	(e)
COCH-ARM / FISHERS	P=0.148N	P=0.105	P=0.005**	P=0.105	P=0.043*	(e)
MAX-ISO-POLY-3	P=0.026*	P=0.024*	P<0.001**	P=0.024*	P=0.002**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	1/7.01	0/0.00
POLY-3 PERCENT (g)	0%	10%	0%	0%	14.3%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	---	---	39	---
STATISTICAL TESTS						
POLY 3	P=0.328	P=0.500	(e)	(e)	P=0.430	(e)
POLY 1.5	P=0.331	P=0.500	(e)	(e)	P=0.434	(e)
POLY 6	P=0.328	P=0.500	(e)	(e)	P=0.430	(e)
COCH-ARM / FISHERS	P=0.637N	P=0.500	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.594	P=0.158	(e)	(e)	P=0.154	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/7.01	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	14.3%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	39	---
STATISTICAL TESTS						
POLY 3	P=0.093	(e)	(e)	(e)	P=0.430	(e)
POLY 1.5	P=0.094	(e)	(e)	(e)	P=0.434	(e)
POLY 6	P=0.092	(e)	(e)	(e)	P=0.430	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.169	(e)	(e)	(e)	P=0.154	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Olfactory Epithelium, Glands Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	9/10 (90%)	10/10 (100%)	8/10 (80%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	10/10.00	9/10.00	10/10.00	8/8.07	0/0.00
POLY-3 PERCENT (g)	0%	100%	90%	100%	99.1%	0%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	9/10 (90%)	10/10 (100%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	4	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.004N**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	P<0.001**	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Accumulation, Hyaline Droplet						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	8/10 (80%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	8/8.01	0/0.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	99.9%	0%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	17	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.002N**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	8/10 (80%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	10/10.00	10/10.00	10/10.00	8/8.01	0/0.00
POLY-3 PERCENT (g)	0%	100%	100%	100%	99.9%	0%
TERMINAL (d)	0/10 (0%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	18	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.002N**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	2/10 (20%)	7/10 (70%)	6/10 (60%)	8/10 (80%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	2/10.00	7/10.00	6/10.00	8/10.00	10/10.00
POLY-3 PERCENT (g)	0%	20%	70%	60%	80%	100%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	7/10 (70%)	6/10 (60%)	4/6 (67%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.227	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.227	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.227	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.237	P=0.002**	P=0.005**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.067	P<0.001**	P<0.001**	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	3/9.07	6/6.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	33.1%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	96 (T)	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.500	P=0.077	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.500	P=0.080	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P=0.500	P=0.076	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.500	P=0.105	P=0.005**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.158	P=0.023*	P<0.001**

Experiment Number: 20727 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ortho-Phthalaldehyde

CAS Number: 643-79-8

Date Report Requested: 10/16/2015

Time Report Requested: 12:33:56

First Dose M/F: 01/19/09 / 01/19/09

Lab: BNW

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 14 WEEKS

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Respiratory Epithelium Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	2/2.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	99.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P=0.058	(e)	(e)	(e)	(e)	P=0.040*
POLY 1.5	P=0.056	(e)	(e)	(e)	(e)	P=0.042*
POLY 6	P=0.057	(e)	(e)	(e)	(e)	P=0.040*
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.237
MAX-ISO-POLY-3	P=0.006**	(e)	(e)	(e)	(e)	P=0.036*

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Nose: Turbinate Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	7/10 (70%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	7/10.00	9/10.00	10/10.00	7/7.07	0/0.00
POLY-3 PERCENT (g)	0%	70%	90%	100%	99%	0%
TERMINAL (d)	0/10 (0%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	18	---
STATISTICAL TESTS						
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**	P<0.001**	(e)
COCH-ARM / FISHERS	P=0.016N*	P=0.002**	P<0.001**	P<0.001**	P=0.002**	(e)
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Ovary Cyst						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	96 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.593N	P=0.760N
POLY 1.5	(e)	(e)	(e)	(e)	P=0.584N	P=0.758N
POLY 6	(e)	(e)	(e)	(e)	P=0.595N	P=0.500N
COCH-ARM / FISHERS	P=0.267N	(e)	(e)	(e)	P=0.500N	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.272N	P=0.499N

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Pancreas Cyst						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	0/8 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/7.01	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	14.3%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	39	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.430	(e)
POLY 1.5	(e)	(e)	(e)	(e)	P=0.434	(e)
POLY 6	(e)	(e)	(e)	(e)	P=0.430	(e)
COCH-ARM / FISHERS	P=0.708	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.154	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin Hyperplasia						
LESION RATES						
OVERALL (a)	3/10 (30%)	0/10 (0%)	0/10 (0%)	6/10 (60%)	9/10 (90%)	6/10 (60%)
POLY-3 RATE (b)	3/10.00	0/10.00	0/10.00	6/10.00	9/9.00	6/6.00
POLY-3 PERCENT (g)	30%	0%	0%	60%	100%	100%
TERMINAL (d)	3/10 (30%)	0/10 (0%)	0/10 (0%)	6/10 (60%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	96 (T)	---	---	96 (T)	17	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.095N	P=0.095N	P=0.186	P<0.001**	P=0.007**
POLY 1.5	P<0.001**	P=0.095N	P=0.095N	P=0.186	P<0.001**	P=0.008**
POLY 6	P<0.001**	P=0.095N	P=0.095N	P=0.186	P<0.001**	P=0.007**
COCH-ARM / FISHERS	P<0.001**	P=0.105N	P=0.105N	P=0.185	P=0.010**	P=0.185
MAX-ISO-POLY-3	P<0.001**	P=0.024N*	P=0.024N*	P=0.090	P<0.001**	P=0.006**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	1/10 (10%)	1/10 (10%)	3/10 (30%)	9/10 (90%)	9/10 (90%)	8/10 (80%)
POLY-3 RATE (b)	1/10.00	1/10.00	3/10.00	9/10.00	9/9.00	8/8.00
POLY-3 PERCENT (g)	10%	10%	30%	90%	100%	100%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	3/10 (30%)	9/10 (90%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	96 (T)	96 (T)	96 (T)	96 (T)	17	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.760	P=0.292	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.760	P=0.292	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.760	P=0.292	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.763N	P=0.291	P<0.001**	P<0.001**	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=1.000	P=0.135	P<0.001**	P<0.001**	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin						
Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Adnexa Degeneration						
LESION RATES						
OVERALL (a)	2/10 (20%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	9/10 (90%)
POLY-3 RATE (b)	2/10.00	0/10.00	0/10.00	1/10.00	0/6.08	9/9.00
POLY-3 PERCENT (g)	20%	0%	0%	10%	0%	100%
TERMINAL (d)	2/10 (20%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	96 (T)	---	---	96 (T)	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.227N	P=0.227N	P=0.500N	P=0.356N	P<0.001**
POLY 1.5	P<0.001**	P=0.227N	P=0.227N	P=0.500N	P=0.341N	P<0.001**
POLY 6	P<0.001**	P=0.227N	P=0.227N	P=0.500N	P=0.359N	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.237N	P=0.237N	P=0.500N	P=0.237N	P=0.003**
MAX-ISO-POLY-3	P<0.001**	P=0.067N	P=0.067N	P=0.274N	P=0.183N	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Epidermis						
Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	5/5.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.016*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Hair Follicle, Epithelium Parakeratosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	3/10 (30%)	7/10 (70%)	9/10 (90%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	3/10.00	7/10.00	9/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	30%	70%	90%	100%	100%
TERMINAL (d)	0/10 (0%)	3/10 (30%)	7/10 (70%)	9/10 (90%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.095	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.095	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.095	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.105	P=0.002**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.024*	P<0.001**	P<0.001**	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Hair Follicle, Epithelium, Pinna						
Parakeratosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Pinna Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Pinna						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Skin: Pinna, Adnexa Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/6.08	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Spleen						
Atrophy Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)	8/8 (100%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/7.08	8/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	14.1%	100%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	4	3
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	P=0.432	P<0.001**
POLY 1.5	(e)	(e)	(e)	(e)	P=0.441	P<0.001**
POLY 6	(e)	(e)	(e)	(e)	P=0.430	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.500	P<0.001**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	P=0.154	P<0.001**

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Stomach, Forestomach Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	0/7 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/6.08	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Thymus Atrophy Lymphoid						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	6/10 (60%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/9.00	0/10.00	6/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	60%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/10 (0%)	2/6 (33%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea						
Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	4	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea Metaplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	9/10 (90%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	9/9.01	2/2.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	99.9%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/6 (100%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	4	5
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**	P=0.040*
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**	P=0.042*
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**	P=0.040*
COCH-ARM / FISHERS	P=0.004**	(e)	(e)	(e)	P<0.001**	P=0.237
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P<0.001**	P=0.036*

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea Necrosis						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	2/8.01	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	25%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	17	3
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.176	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.178	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.176	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P=0.237	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	P=0.063	(e)

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea Regeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/7.07	2/2.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	14.1%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	17	5
STATISTICAL TESTS						
POLY 3	P=0.016*	(e)	(e)	(e)	P=0.432	P=0.040*
POLY 1.5	P=0.016*	(e)	(e)	(e)	P=0.439	P=0.042*
POLY 6	P=0.016*	(e)	(e)	(e)	P=0.430	P=0.040*
COCH-ARM / FISHERS	P=0.013*	(e)	(e)	(e)	P=0.500	P=0.237
MAX-ISO-POLY-3	P=0.026*	(e)	(e)	(e)	P=0.154	P=0.036*

Experiment Number: 20727 - 02
 Test Type: 90-DAY
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 ortho-Phthalaldehyde
 CAS Number: 643-79-8

Date Report Requested: 10/16/2015
 Time Report Requested: 12:33:56
 First Dose M/F: 01/19/09 / 01/19/09
 Lab: BNW

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 14 WEEKS**

DOSE	Females					
	CONTROL	0.44 ppm	0.88 ppm	1.75 ppm	3.5 ppm	7.0 ppm
Trachea Ulcer						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/7.07	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	14.1%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---	17	---
STATISTICAL TESTS						
POLY 3	P=0.093	(e)	(e)	(e)	P=0.432	(e)
POLY 1.5	P=0.096	(e)	(e)	(e)	P=0.439	(e)
POLY 6	P=0.093	(e)	(e)	(e)	P=0.430	(e)
COCH-ARM / FISHERS	P=0.585	(e)	(e)	(e)	P=0.500	(e)
MAX-ISO-POLY-3	P=0.170	(e)	(e)	(e)	P=0.154	(e)

Experiment Number: 20727 - 02
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

ortho-Phthalaldehyde
CAS Number: 643-79-8

Date Report Requested: 10/16/2015
Time Report Requested: 12:33:56
First Dose M/F: 01/19/09 / 01/19/09
Lab: BNW

LEGEND

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

*** END OF REPORT ***