

TDMS No. 20303-04
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
VINYLIDENE CHLORIDE
CAS Number: 75-35-4
Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.
F1_M3

Date Report Reqsted: 08/18/2006
Time Report Reqsted: 14:45:36
First Dose M/F: 10/11/04 / 10/11/04
Lab: BNW

C Number: C20303
Lock Date: 06/01/2005
Cage Range: 1 - 9999
Date Range: 1-JAN-1940 to 17-SEP-2040
Reasons For Removal: ALL
Removal Date Range: JAN /1 /1940 - SEP /17 /2040
Treatment Groups: Include 1 CONTROL
Include 4 6.25 PPM
Include 7 25 PPM
Include 10 50 PPM

Include 2 CONTROL
Include 5 12.5 PPM
Include 8 25 PPM
Include 11 100 PPM

Include 3 6.25 PPM
Include 6 12.5 PPM
Include 9 50 PPM

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

MALE MICE

Organ

Adrenal Cortex: Subcapsular

Kidney

Kidney: Renal Tubule

Larynx: Respiratory Epithelium

Liver

Lung: Bronchiole, Epithelium

Spleen: Lymphoid Follicle

Testes: Germinal Epithelium

Thymus

Morphology

Hyperplasia

Nephropathy

Casts Protein

Necrosis

Vacuolization Cytoplasmic

Metaplasia

Necrosis

Hyperplasia

Atrophy

Degeneration

Necrosis

FEMALE MICE

Organ

Adrenal Cortex: Subcapsular

Larynx

Larynx: Respiratory Epithelium

Larynx: Squamous Epithelium

Liver

Lung

Lung: Bronchiole, Epithelium

Lung: Bronchus, Epithelium

Lymph Node, Mandibular

Lymph Node, Mesenteric

Morphology

Hyperplasia

Exudate

Inflammation

Necrosis

Hyperplasia

Metaplasia

Hyperplasia

Hypertrophy

Inflammation Chronic

Necrosis

Inflammation Histiocytic

Hyperplasia

Metaplasia

Metaplasia

Necrosis

Necrosis

Necrosis

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

Mammary Gland

Nose: Respiratory Epithelium

Nose: Squamous Epithelium

Nose: Turbinate

Spleen: Lymphoid Follicle

Thymus

Trachea: Epithelium

Hyperplasia

Necrosis

Vacuolization Cytoplasmic

Vacuolization Cytoplasmic

Atrophy

Atrophy

Necrosis

Necrosis

Hyperplasia

Metaplasia

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Adrenal Cortex: Subcapsular
 Hyperplasia**

LESION RATES

OVERALL (a)	7/10 (70%)	7/10 (70%)	4/10 (40%)	2/10 (20%)	3/10 (30%)
POLY-3 RATE (b)	7/10.00	7/10.00	4/10.00	2/10.00	3/8.00
POLY-3 PERCENT (g)	70%	70%	40%	20%	37.5%
TERMINAL (d)	7/10 (70%)	7/10 (70%)	4/10 (40%)	2/10 (20%)	3/8 (38%)
FIRST INCIDENCE	95 (T)	95 (T)	95 (T)	95 (T)	95 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.053N	P=0.683	P=0.190N	P=0.040N*	P=0.190N
POLY 3	P=0.036N*	P=0.678	P=0.186N	P=0.024N*	P=0.187N
POLY 1.5	P=0.036N*	P=0.678	P=0.186N	P=0.024N*	P=0.185N
POLY 6	P=0.036N*	P=0.678	P=0.186N	P=0.024N*	P=0.187N
LOGISTIC REGRESSION	P=0.051N	P=0.683	P=0.190N	P=0.040N*	P=0.190N
COCH-ARM / FISHERS	P=0.022N*	P=0.686N	P=0.185N	P=0.035N*	P=0.089N
ORDER RESTRICTED	P=0.057N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.061N	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Adrenal Cortex: X-Zone
Vacuolization Cytoplasmic

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM
Kidney Nephropathy					
LESION RATES					
OVERALL (a)	0/10 (0%)	0/10 (0%)	5/10 (50%)	10/10 (100%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	5/10.00	10/10.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	50%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	5/10 (50%)	10/10 (100%)	8/8 (100%)
FIRST INCIDENCE	---	---	95 (T)	95 (T)	95 (T)
STATISTICAL TESTS					
LIFE TABLE	P<0.001**	(e)	P=0.022*	P<0.001**	P<0.001**
POLY 3	P<0.001**	(e)	P=0.008**	P<0.001N**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.008**	P<0.001N**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.008**	P<0.001N**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.022*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.016*	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Kidney: Renal Tubule
Casts Protein

LESION RATES

OVERALL (a)	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	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.022*	(e)	(e)	(e)	P=0.234
POLY 3	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 1.5	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 6	P=0.017*	(e)	(e)	(e)	P=0.227
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.021*	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.012*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Kidney: Renal Tubule
Necrosis**

LESION RATES

OVERALL (a)	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	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.022*	(e)	(e)	(e)	P=0.234
POLY 3	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 1.5	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 6	P=0.017*	(e)	(e)	(e)	P=0.227
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.021*	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.012*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Kidney: Renal Tubule
Vacuolization Cytoplasmic**

LESION RATES

OVERALL (a)	10/10 (100%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	8/10 (80%)
POLY-3 RATE (b)	10/10.00	0/10.00	0/10.00	10/10.00	8/8.00
POLY-3 PERCENT (g)	100%	0%	0%	100%	100%
TERMINAL (d)	10/10 (100%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	8/8 (100%)
FIRST INCIDENCE	95 (T)	---	---	95 (T)	95 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.005**	P<0.001N**	P<0.001N**	(e)	P=1.000N
POLY 3	P<0.001**	P<0.001**	P<0.001**	(e)	P=1.000N
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	(e)	P=1.000N
POLY 6	P<0.001**	P<0.001**	P<0.001**	(e)	P=1.000N
LOGISTIC REGRESSION	P=0.005**	(e)	(e)	(e)	P=1.000N
COCH-ARM / FISHERS	P=0.035*	P<0.001N**	P<0.001N**	(e)	P=0.237N
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Larynx
Exudate

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Larynx
Inflammation

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	1/10.00	0/10.00	0/10.00	0/8.00
POLY-3 PERCENT (g)	0%	10%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	95 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.531N	P=0.500	(e)	(e)	(e)
POLY 3	P=0.476N	P=0.500	(e)	(e)	(e)
POLY 1.5	P=0.476N	P=0.500	(e)	(e)	(e)
POLY 6	P=0.476N	P=0.500	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.500	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.500N	P=0.500	(e)	(e)	(e)
ORDER RESTRICTED	P=0.422N	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.457N	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Larynx
Necrosis**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	0/8.00
POLY-3 PERCENT (g)	0%	0%	10%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	95 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.673N	(e)	P=0.500	(e)	(e)
POLY 3	P=0.635N	(e)	P=0.500	(e)	(e)
POLY 1.5	P=0.635N	(e)	P=0.500	(e)	(e)
POLY 6	P=0.635N	(e)	P=0.500	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.500	(e)	(e)
COCH-ARM / FISHERS	P=0.640N	(e)	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.534	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.558	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Larynx: Respiratory Epithelium
Hyperplasia**

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Larynx: Respiratory Epithelium
 Metaplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	4/8.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	50%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	4/8 (50%)
FIRST INCIDENCE	---	---	---	95 (T)	95 (T)

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	P=0.500	P=0.028*
POLY 3	P<0.001**	(e)	(e)	P=0.500	P=0.013*
POLY 1.5	P<0.001**	(e)	(e)	P=0.500	P=0.013*
POLY 6	P<0.001**	(e)	(e)	P=0.500	P=0.013*
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.500	P=0.028*
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.500	P=0.043*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

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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	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Larynx: Squamous Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Liver
Hypertrophy

LESION RATES

OVERALL (a)	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	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.144	(e)	(e)	(e)	P=0.500
POLY 3	P=0.133	(e)	(e)	(e)	P=0.479
POLY 1.5	P=0.133	(e)	(e)	(e)	P=0.479
POLY 6	P=0.133	(e)	(e)	(e)	P=0.479
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.071	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.096	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Liver
Inflammation Chronic**

LESION RATES

OVERALL (a)	0/10 (0%)	2/10 (20%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	2/10.00	1/10.00	1/10.00	0/8.00
POLY-3 PERCENT (g)	0%	20%	10%	10%	0%
TERMINAL (d)	0/10 (0%)	2/10 (20%)	1/10 (10%)	1/10 (10%)	0/8 (0%)
FIRST INCIDENCE	---	95 (T)	95 (T)	95 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.411N	P=0.234	P=0.500	P=0.500	(e)
POLY 3	P=0.418N	P=0.227	P=0.500	P=0.500	(e)
POLY 1.5	P=0.418N	P=0.227	P=0.500	P=0.500	(e)
POLY 6	P=0.418N	P=0.227	P=0.500	P=0.500	(e)
LOGISTIC REGRESSION	(e)	P=0.234	P=0.500	P=0.500	(e)
COCH-ARM / FISHERS	P=0.356N	P=0.237	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.393	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.429	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Liver
Necrosis

LESION RATES

OVERALL (a)	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	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.022*	(e)	(e)	(e)	P=0.234
POLY 3	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 1.5	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 6	P=0.017*	(e)	(e)	(e)	P=0.227
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.021*	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.012*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Lung
Inflammation Histiocytic

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Lung: Bronchiole, Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	8/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	88.9%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	7/8 (88%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	P<0.001**
POLY 3	P<0.001**	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Lung: Bronchiole, Epithelium
Metaplasia

LESION RATES

OVERALL (a)	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	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.144	(e)	(e)	(e)	P=0.500
POLY 3	P=0.133	(e)	(e)	(e)	P=0.479
POLY 1.5	P=0.133	(e)	(e)	(e)	P=0.479
POLY 6	P=0.133	(e)	(e)	(e)	P=0.479
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.071	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.096	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Lung: Bronchus, Epithelium
Metaplasia

LESION RATES

OVERALL (a)	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	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.144	(e)	(e)	(e)	P=0.500
POLY 3	P=0.133	(e)	(e)	(e)	P=0.479
POLY 1.5	P=0.133	(e)	(e)	(e)	P=0.479
POLY 6	P=0.133	(e)	(e)	(e)	P=0.479
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.071	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.096	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Lung: Bronchus, Epithelium
Necrosis

LESION RATES

OVERALL (a)	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	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	12.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/8 (13%)
FIRST INCIDENCE	---	---	---	---	95 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.117	(e)	(e)	(e)	P=0.455
POLY 3	P=0.123	(e)	(e)	(e)	P=0.456
POLY 1.5	P=0.123	(e)	(e)	(e)	P=0.456
POLY 6	P=0.123	(e)	(e)	(e)	P=0.456
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	P=0.455
COCH-ARM / FISHERS	P=0.142	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.058	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.096	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Lymph Node, Mandibular
Necrosis

LESION RATES

OVERALL (a)	0/5 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/5 (0%)
POLY-3 RATE (b)	0/5.00	0/0.00	0/0.00	0/0.00	0/4.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/5 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Lymph Node, Mesenteric
Necrosis

LESION RATES

OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	11.1%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.144	(e)	(e)	(e)	P=0.500
POLY 3	(e)	(e)	(e)	(e)	P=0.479
POLY 1.5	(e)	(e)	(e)	(e)	P=0.479
POLY 6	(e)	(e)	(e)	(e)	P=0.479
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	P=0.500
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Mammary Gland
Hyperplasia

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00	0/1.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/1 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

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Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Nose: Respiratory Epithelium
Necrosis

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Nose: Respiratory Epithelium
Vacuolization Cytoplasmic

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Nose: Squamous Epithelium
Vacuolization Cytoplasmic

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

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Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Nose: Turbinate
Atrophy

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Spleen: Lymphoid Follicle Atrophy

LESION RATES

OVERALL (a)	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	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.022*	(e)	(e)	(e)	P=0.234
POLY 3	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 1.5	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 6	P=0.017*	(e)	(e)	(e)	P=0.227
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.021*	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.012*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	(e)	(e)

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

**Spleen: Lymphoid Follicle
Necrosis**

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Testes: Germinal Epithelium
Degeneration

LESION RATES

OVERALL (a)	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	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.022*	(e)	(e)	(e)	P=0.234
POLY 3	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 1.5	P=0.017*	(e)	(e)	(e)	P=0.227
POLY 6	P=0.017*	(e)	(e)	(e)	P=0.227
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.021*	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.012*	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.015*	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

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Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Thymus
Necrosis

LESION RATES

OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	2/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	20%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	5

STATISTICAL TESTS

LIFE TABLE	P=0.022*	(e)	(e)	(e)	P=0.234
POLY 3	(e)	(e)	(e)	(e)	P=0.227
POLY 1.5	(e)	(e)	(e)	(e)	P=0.227
POLY 6	(e)	(e)	(e)	(e)	P=0.227
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.132	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Trachea: Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Trachea: Epithelium
Metaplasia

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

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Date Report Reqsted: 08/18/2006

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Males				
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM

Trachea: Epithelium
Necrosis

LESION RATES

OVERALL (a)	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	0/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/8 (0%)
FIRST INCIDENCE	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Adrenal Cortex: Subcapsular
Hyperplasia**

LESION RATES

OVERALL (a)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	9/10 (90%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00	9/9.00
POLY-3 PERCENT (g)	100%	100%	100%	100%	100%	100%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)
FIRST INCIDENCE	96 (T)	96 (T)	96 (T)	96 (T)	96 (T)	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.098
POLY 3	P=1.000N	(e)	(e)	(e)	(e)	P=1.000N
POLY 1.5	P=1.000N	(e)	(e)	(e)	(e)	P=1.000N
POLY 6	P=1.000N	(e)	(e)	(e)	(e)	P=1.000N
LOGISTIC REGRESSION	P<0.001**	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.105N	(e)	(e)	(e)	(e)	P=0.500N
ORDER RESTRICTED	P=0.055N	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.081N	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

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First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

Adrenal Cortex: X-Zone
Vacuolization Cytoplasmic

LESION RATES

OVERALL (a)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	100%	100%	100%	100%	100%	100%
TERMINAL (d)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	10/10 (100%)	6/6 (100%)
FIRST INCIDENCE	96 (T)	96 (T)	96 (T)	96 (T)	96 (T)	2

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
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)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

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Lab: BNW

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

Kidney
Nephropathy

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	0/10.00	0/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
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)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Kidney: Renal Tubule
Casts Protein**

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	0/10.00	0/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
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)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Kidney: Renal Tubule
Necrosis**

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	0/10.00	0/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
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)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Kidney: Renal Tubule
Vacuolization Cytoplasmic**

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	0/10.00	0/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	---

STATISTICAL TESTS

LIFE TABLE	(e)	(e)	(e)	(e)	(e)	(e)
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)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Larynx
 Exudate**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	2/10 (20%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00	2/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	25%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	3

STATISTICAL TESTS

LIFE TABLE	P=0.006**	(e)	(e)	(e)	(e)	P=0.190
POLY 3	P=0.007**	(e)	(e)	(e)	(e)	P=0.176
POLY 1.5	P=0.007**	(e)	(e)	(e)	(e)	P=0.176
POLY 6	P=0.007**	(e)	(e)	(e)	(e)	P=0.176
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.003**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.008**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Larynx
Inflammation**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00	3/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	37.5%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	1/6 (17%)
FIRST INCIDENCE	---	---	---	---	---	3

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.073
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.057
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.057
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.057
LOGISTIC REGRESSION	P=0.053	(e)	(e)	(e)	(e)	P=0.390
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Larynx
Necrosis**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	40%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.047*
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.033*
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.033*
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.033*
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.043*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Larynx: Respiratory Epithelium
Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00	8/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	80%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	4/6 (67%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
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**
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Larynx: Respiratory Epithelium
Metaplasia**

LESION RATES

OVERALL (a)	1/10 (10%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	9/9 (100%)	7/10 (70%)
POLY-3 RATE (b)	1/10.00	0/10.00	1/10.00	3/10.00	9/9.00	7/8.00
POLY-3 PERCENT (g)	10%	0%	10%	30%	100%	87.5%
TERMINAL (d)	1/10 (10%)	0/10 (0%)	1/10 (10%)	3/10 (30%)	9/9 (100%)	5/6 (83%)
FIRST INCIDENCE	96 (T)	---	96 (T)	96 (T)	96 (T)	3

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.500N	P=0.766	P=0.293	P<0.001**	P=0.002**
POLY 3	P<0.001**	P=0.500N	P=0.760	P=0.292	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.500N	P=0.760	P=0.292	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.500N	P=0.760	P=0.292	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.766	P=0.293	P<0.001**	P=0.008**
COCH-ARM / FISHERS	P<0.001**	P=0.500N	P=0.763N	P=0.291	P<0.001**	P=0.010**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Larynx: Squamous Epithelium
Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/9.00	8/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	80%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/9 (0%)	4/6 (67%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
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**
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Liver
Hypertrophy**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	6/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/6 (100%)
FIRST INCIDENCE	---	---	---	---	---	96 (T)

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
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**
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.005**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

Liver
Inflammation Chronic

LESION RATES

OVERALL (a)	0/10 (0%)	1/10 (10%)	4/10 (40%)	3/10 (30%)	1/10 (10%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	1/10.00	4/10.00	3/10.00	1/10.00	1/6.00
POLY-3 PERCENT (g)	0%	10%	40%	30%	10%	16.7%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	4/10 (40%)	3/10 (30%)	1/10 (10%)	1/6 (17%)
FIRST INCIDENCE	---	96 (T)	96 (T)	96 (T)	96 (T)	96 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.583	P=0.500	P=0.051	P=0.111	P=0.500	P=0.398
POLY 3	P=0.521	P=0.500	P=0.033*	P=0.095	P=0.500	P=0.402
POLY 1.5	P=0.522	P=0.500	P=0.033*	P=0.095	P=0.500	P=0.403
POLY 6	P=0.521	P=0.500	P=0.033*	P=0.095	P=0.500	P=0.402
LOGISTIC REGRESSION	P=0.584	P=0.500	P=0.051	P=0.111	P=0.500	P=0.398
COCH-ARM / FISHERS	P=0.433N	P=0.500	P=0.043*	P=0.105	P=0.500	P=0.500
ORDER RESTRICTED	P=0.230	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.328	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Liver
Necrosis**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	1/10.00	0/10.00	0/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	10%	0%	0%	40%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	96 (T)	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	P=0.500	(e)	(e)	P=0.047*
POLY 3	P<0.001**	(e)	P=0.500	(e)	(e)	P=0.033*
POLY 1.5	P<0.001**	(e)	P=0.500	(e)	(e)	P=0.033*
POLY 6	P<0.001**	(e)	P=0.500	(e)	(e)	P=0.033*
LOGISTIC REGRESSION	(e)	(e)	P=0.500	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	(e)	(e)	P=0.043*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Lung
Inflammation Histiocytic**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	6/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/6 (100%)
FIRST INCIDENCE	---	---	---	---	---	96 (T)

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
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**
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.005**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Lung: Bronchiole, Epithelium
Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	10/10 (100%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	2/10.00	10/10.00	5/6.00
POLY-3 PERCENT (g)	0%	0%	0%	20%	100%	83.3%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)	10/10 (100%)	5/6 (83%)
FIRST INCIDENCE	---	---	---	96 (T)	96 (T)	96 (T)

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	P=0.234	P<0.001**	P=0.002**
POLY 3	P<0.001**	(e)	(e)	P=0.227	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.227	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P=0.227	P<0.001**	P<0.001**
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.234	P<0.001**	P=0.002**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.237	P<0.001**	P=0.016*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Lung: Bronchiole, Epithelium
Metaplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	4/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	44.4%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/6 (17%)
FIRST INCIDENCE	---	---	---	---	---	3

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.035*
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.022*
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.022*
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.022*
LOGISTIC REGRESSION	P=0.054	(e)	(e)	(e)	(e)	P=0.390
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.043*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Lung: Bronchus, Epithelium
Metaplasia**

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	0/10.00	2/7.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	28.6%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/6 (17%)
FIRST INCIDENCE	---	---	---	---	---	3

STATISTICAL TESTS

LIFE TABLE	P=0.005**	(e)	(e)	(e)	(e)	P=0.175
POLY 3	P=0.006**	(e)	(e)	(e)	(e)	P=0.150
POLY 1.5	P=0.006**	(e)	(e)	(e)	(e)	P=0.150
POLY 6	P=0.006**	(e)	(e)	(e)	(e)	P=0.150
LOGISTIC REGRESSION	P=0.056	(e)	(e)	(e)	(e)	P=0.395
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.002**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.007**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Lung: Bronchus, Epithelium
Necrosis**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	60%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/6 (33%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.007**
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**
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.005**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

Lymph Node, Mandibular
Necrosis

LESION RATES

OVERALL (a)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	2/6 (33%)
POLY-3 RATE (b)	0/7.00	0/0.00	0/0.00	0/0.00	0/0.00	2/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	33.3%
TERMINAL (d)	0/7 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/4 (0%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P=0.007**	(e)	(e)	(e)	(e)	P=0.201
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.178
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.178
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.178
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.101	(e)	(e)	(e)	(e)	P=0.192
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

Lab: BNW

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

Lymph Node, Mesenteric
Necrosis

LESION RATES

OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	40%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.047*
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.033*
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.033*
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.033*
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.025*	(e)	(e)	(e)	(e)	P=0.043*
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Mammary Gland
 Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	10/10.00	10/10.00	6/6.00
POLY-3 PERCENT (g)	0%	0%	0%	100%	100%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)	6/6 (100%)
FIRST INCIDENCE	---	---	---	96 (T)	96 (T)	96 (T)

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	(e)	(e)	P<0.001N**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P<0.001N**	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P<0.001N**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	(e)	(e)	(e)	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P<0.001**	P<0.001**	P=0.005**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Nose: Respiratory Epithelium
Necrosis**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	4/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	40%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.047*
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.033*
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.033*
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.033*
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.043*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Nose: Respiratory Epithelium
Vacuolization Cytoplasmic**

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	0/10.00	3/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	33.3%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	3

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.088
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Nose: Squamous Epithelium
Vacuolization Cytoplasmic**

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	0/10.00	2/8.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	25%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	3

STATISTICAL TESTS

LIFE TABLE	P=0.008**	(e)	(e)	(e)	(e)	P=0.210
POLY 3	P=0.007**	(e)	(e)	(e)	(e)	P=0.176
POLY 1.5	P=0.007**	(e)	(e)	(e)	(e)	P=0.176
POLY 6	P=0.007**	(e)	(e)	(e)	(e)	P=0.176
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.237
ORDER RESTRICTED	P=0.003**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.008**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Nose: Turbinate
Atrophy**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	4/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	66.7%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/6 (67%)
FIRST INCIDENCE	---	---	---	---	---	96 (T)

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.010**
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.003**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.003**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.003**
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	P=0.010**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.043*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

Spleen: Lymphoid Follicle Atrophy

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	0/10.00	3/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	33.3%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.108
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Spleen: Lymphoid Follicle
Necrosis**

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	0/10.00	3/9.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	33.3%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.108
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.076
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Thymus
Necrosis**

LESION RATES

OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	5/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	50%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/6 (17%)
FIRST INCIDENCE	---	---	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	(e)	P=0.019*
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.008**
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.008**
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.008**
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.010**	(e)	(e)	(e)	(e)	P=0.016*
ORDER RESTRICTED	(e)	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Trachea: Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)	5/10 (50%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	2/10.00	0/10.00	5/10.00	8/8.00
POLY-3 PERCENT (g)	0%	0%	20%	0%	50%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	0/10 (0%)	5/10 (50%)	6/6 (100%)
FIRST INCIDENCE	---	---	96 (T)	---	96 (T)	3

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	P=0.234	(e)	P=0.022*	P<0.001**
POLY 3	P<0.001**	(e)	P=0.227	(e)	P=0.008**	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.227	(e)	P=0.008**	P<0.001**
POLY 6	P<0.001**	(e)	P=0.227	(e)	P=0.008**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.234	(e)	P=0.022*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.237	(e)	P=0.016*	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Trachea: Epithelium
 Metaplasia**

LESION RATES

OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	1/10.00	3/6.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	10%	50%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	3/6 (50%)
FIRST INCIDENCE	---	---	---	---	96 (T)	96 (T)

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	(e)	P=0.500	P=0.039*
POLY 3	P<0.001**	(e)	(e)	(e)	P=0.500	P=0.027*
POLY 1.5	P<0.001**	(e)	(e)	(e)	P=0.500	P=0.028*
POLY 6	P<0.001**	(e)	(e)	(e)	P=0.500	P=0.027*
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)	P=0.500	P=0.039*
COCH-ARM / FISHERS	P=0.002**	(e)	(e)	(e)	P=0.500	P=0.105
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	(e)

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

DOSE	Females					
	CONTROL	6.25 PPM	12.5 PPM	25 PPM	50 PPM	100 PPM

**Trachea: Epithelium
Necrosis**

LESION RATES

OVERALL (a)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	2/10 (20%)
POLY-3 RATE (b)	1/10.00	1/10.00	0/10.00	0/10.00	0/10.00	2/8.00
POLY-3 PERCENT (g)	10%	10%	0%	0%	0%	25%
TERMINAL (d)	1/10 (10%)	1/10 (10%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/6 (0%)
FIRST INCIDENCE	96 (T)	96 (T)	---	---	---	2

STATISTICAL TESTS

LIFE TABLE	P=0.162	P=0.766	P=0.500N	P=0.500N	P=0.500N	P=0.430
POLY 3	P=0.203	P=0.760	P=0.500N	P=0.500N	P=0.500N	P=0.420
POLY 1.5	P=0.203	P=0.760	P=0.500N	P=0.500N	P=0.500N	P=0.420
POLY 6	P=0.203	P=0.760	P=0.500N	P=0.500N	P=0.500N	P=0.420
LOGISTIC REGRESSION	P=0.279N	P=0.766	(e)	(e)	(e)	P=0.600N
COCH-ARM / FISHERS	P=0.216	P=0.763N	P=0.500N	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.075	(e)	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.121	(e)	(e)	(e)	(e)	(e)

TDMS No. 20303-04

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

VINYLDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: THOMAS, K. - KOOISTRA, L. - HARBO, S.

Date Report Requested: 08/18/2006

Time Report Requested: 14:45:36

First Dose M/F: 10/11/04 / 10/11/04

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.
 - (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. The life table analysis regards tumors in animals dying prior to terminal kill as being (directly or indirectly) the cause of death.
 - (e) Value of Statistic cannot be computed.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- Logistic regression is an alternative method for analyzing the incidence of non-fatal tumors.
The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***