

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Reqsted: 08/21/2007
Time Report Reqsted: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

F_1.Rev.1_M3

C Number: C97003D
Lock Date: 01/31/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.8.0

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF 1,2-Dibromo-2,4-dicyanobutane

MALE MICE

Organ

Adrenal Cortex
Adrenal Cortex: Subcapsular
Adrenal Cortex: Zona Fasciculata
Eye: Cornea
Heart
Kidney

Kidney: Renal Tubule
Liver

Lung
Lung: Alveolar Epithelium
Nose: Respiratory Epithelium
Pancreas

Preputial Gland
Prostate
Salivary Glands
Skin: Site of Application - Dermis
Skin: Site of Application - Epidermis

Stomach, Forestomach

Testes: Germinal Epithelium
Tooth: Peridental Tissue

Morphology

Pigmentation
Hyperplasia
Hyperplasia
Inflammation
Cardiomyopathy
Inflammation
Mineralization
Nephropathy
Hyperplasia
Clear Cell Focus
Eosinophilic Focus
Fatty Change Diffuse
Fatty Change Focal
Hematopoietic Cell Proliferation
Inflammation
Pigmentation
Inflammation
Hyperplasia
Inflammation
Infiltration Cellular Mononuclear Cell
Inflammation
Inflammation
Infiltration Cellular Mononuclear Cell
Infiltration Cellular Mononuclear Cell
Inflammation Chronic
Hyperplasia
Ulcer
Inflammation
Ulcer
Atrophy
Inflammation

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF 1,2-Dibromo-2,4-dicyanobutane

Tooth: Pulp

Inflammation

FEMALE MICE

Organ

Bone Marrow: Myeloid Cell
Clitoral Gland
Gallbladder
Heart

Intestine Small, Jejunum
Islets, Pancreatic
Kidney

Liver

Lymph Node, Mandibular
Nose: Respiratory Epithelium
Ovary
Pancreas
Skin: Site of Application - Dermis
Skin: Site of Application - Epidermis
Stomach, Forestomach

Thymus
Thyroid Gland: Follicle

Morphology

Hyperplasia
Inflammation
Inflammation
Cardiomyopathy
Inflammation
Inflammation
Hyperplasia
Inflammation
Mineralization
Clear Cell Focus
Mixed Cell Focus
Hyperplasia Lymphoid
Inflammation
Cyst
Infiltration Cellular Mononuclear Cell
Inflammation Chronic
Hyperplasia
Inflammation
Ulcer
Hyperplasia Lymphoid
Cyst

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex
Hypertrophy

LESION RATES

OVERALL (a)	22/50 (44%)	16/50 (32%)	23/50 (46%)	21/50 (42%)
POLY-3 RATE (b)	22/46.61	16/44.21	23/47.53	21/46.41
POLY-3 PERCENT (g)	47.2%	36.2%	48.4%	45.3%
TERMINAL (d)	18/34 (53%)	11/30 (37%)	18/39 (46%)	19/40 (48%)
FIRST INCIDENCE	529	644	606	501

STATISTICAL TESTS

LIFE TABLE	P=0.341N	P=0.274N	P=0.439N	P=0.266N
POLY 3	P=0.455	P=0.194N	P=0.536	P=0.508N
POLY 1.5	P=0.440	P=0.180N	P=0.516	P=0.509N
POLY 6	P=0.484	P=0.205N	P=0.576	P=0.491N
LOGISTIC REGRESSION	P=0.476	P=0.191N	P=0.538	P=0.481N
COCH-ARM / FISHERS	P=0.420	P=0.151N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.494	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.498	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex
Pigmentation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	2/34 (6%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	730 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.212N	P=0.266N	P=0.209N	P=0.203N
POLY 3	P=0.234N	P=0.247N	P=0.231N	P=0.234N
POLY 1.5	P=0.236N	P=0.244N	P=0.234N	P=0.236N
POLY 6	P=0.232N	P=0.250N	P=0.226N	P=0.229N
LOGISTIC REGRESSION	P=0.212N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.029N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex: Subcapsular
Hyperplasia

LESION RATES

OVERALL (a)	45/50 (90%)	46/50 (92%)	46/50 (92%)	44/50 (88%)
POLY-3 RATE (b)	45/49.39	46/48.24	46/48.92	44/49.07
POLY-3 PERCENT (g)	91.1%	95.4%	94%	89.7%
TERMINAL (d)	31/34 (91%)	29/30 (97%)	37/39 (95%)	36/40 (90%)
FIRST INCIDENCE	529	506	539	501

STATISTICAL TESTS

LIFE TABLE	P=0.033N*	P=0.219	P=0.260N	P=0.143N
POLY 3	P=0.310N	P=0.325	P=0.431	P=0.541N
POLY 1.5	P=0.320N	P=0.368	P=0.453	P=0.528N
POLY 6	P=0.304N	P=0.316	P=0.424	P=0.545N
LOGISTIC REGRESSION	P=0.319N	P=0.352	P=0.529	P=0.504N
COCH-ARM / FISHERS	P=0.357N	P=0.500	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.358N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.366N	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex: Zona Fasciculata Hyperplasia

LESION RATES

OVERALL (a)	6/50 (12%)	0/50 (0%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	6/45.60	0/43.20	1/46.73	5/45.86
POLY-3 PERCENT (g)	13.2%	0%	2.1%	10.9%
TERMINAL (d)	5/34 (15%)	0/30 (0%)	0/39 (0%)	4/40 (10%)
FIRST INCIDENCE	574	---	627	683

STATISTICAL TESTS

LIFE TABLE	P=0.389	P=0.025N*	P=0.045N*	P=0.406N
POLY 3	P=0.315	P=0.018N*	P=0.052N	P=0.496N
POLY 1.5	P=0.307	P=0.017N*	P=0.054N	P=0.500N
POLY 6	P=0.330	P=0.019N*	P=0.048N*	P=0.482N
LOGISTIC REGRESSION	P=0.301	P=0.019N*	P=0.061N	P=0.493N
COCH-ARM / FISHERS	P=0.296	P=0.013N*	P=0.056N	P=0.500N
ORDER RESTRICTED	P=0.063N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.071N	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Medulla
Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	2/49 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	2/43.91	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	4.6%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	506	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.363N	P=0.232	(e)	(e)
POLY 3	P=0.367N	P=0.231	(e)	(e)
POLY 1.5	P=0.367N	P=0.232	(e)	(e)
POLY 6	P=0.365N	P=0.230	(e)	(e)
LOGISTIC REGRESSION	P=0.333N	P=0.304	(e)	(e)
COCH-ARM / FISHERS	P=0.367N	P=0.242	(e)	(e)
ORDER RESTRICTED	P=0.238N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.250N	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Bone Marrow Atrophy Focal				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Bone Marrow Myelofibrosis

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.08	2/43.20	2/46.36	1/45.68
POLY-3 PERCENT (g)	0%	4.6%	4.3%	2.2%
TERMINAL (d)	0/34 (0%)	2/30 (7%)	2/39 (5%)	1/40 (3%)
FIRST INCIDENCE	---	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.609N	P=0.211	P=0.269	P=0.532
POLY 3	P=0.627	P=0.228	P=0.243	P=0.503
POLY 1.5	P=0.621	P=0.231	P=0.240	P=0.501
POLY 6	P=0.639	P=0.225	P=0.249	P=0.507
LOGISTIC REGRESSION	(e)	P=0.211	P=0.269	P=0.532
COCH-ARM / FISHERS	P=0.618	P=0.247	P=0.247	P=0.500
ORDER RESTRICTED	P=0.223	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.233	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Bone Marrow: Myeloid Cell Hyperplasia

LESION RATES

OVERALL (a)	3/50 (6%)	4/50 (8%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/45.42	4/44.54	3/46.36	3/46.61
POLY-3 PERCENT (g)	6.6%	9%	6.5%	6.4%
TERMINAL (d)	1/34 (3%)	0/30 (0%)	3/39 (8%)	1/40 (3%)
FIRST INCIDENCE	662	525	730 (T)	505

STATISTICAL TESTS

LIFE TABLE	P=0.456N	P=0.465	P=0.608N	P=0.624N
POLY 3	P=0.504N	P=0.489	P=0.653N	P=0.650N
POLY 1.5	P=0.512N	P=0.491	P=0.657N	P=0.657N
POLY 6	P=0.489N	P=0.490	P=0.645N	P=0.638N
LOGISTIC REGRESSION	P=0.545N	P=0.568	P=0.649N	P=0.646N
COCH-ARM / FISHERS	P=0.522N	P=0.500	P=0.661N	P=0.661N
ORDER RESTRICTED	P=0.625N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.626N	(e)	(e)	(e)

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DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Epididymis Granuloma Sperm

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/45.08	0/43.20	2/46.72	2/46.02
POLY-3 PERCENT (g)	0%	0%	4.3%	4.4%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	1/40 (3%)
FIRST INCIDENCE	---	---	630	634

STATISTICAL TESTS

LIFE TABLE	P=0.150	(e)	P=0.260	P=0.263
POLY 3	P=0.132	(e)	P=0.245	P=0.242
POLY 1.5	P=0.127	(e)	P=0.241	P=0.239
POLY 6	P=0.141	(e)	P=0.252	P=0.248
LOGISTIC REGRESSION	P=0.117	(e)	P=0.230	P=0.240
COCH-ARM / FISHERS	P=0.122	(e)	P=0.247	P=0.247
ORDER RESTRICTED	P=0.118	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.130	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Epididymis
Inflammation

LESION RATES

OVERALL (a)	37/50 (74%)	35/50 (70%)	35/50 (70%)	34/50 (68%)
POLY-3 RATE (b)	37/47.68	35/47.00	35/48.04	34/47.47
POLY-3 PERCENT (g)	77.6%	74.5%	72.9%	71.6%
TERMINAL (d)	27/34 (79%)	22/30 (73%)	29/39 (74%)	30/40 (75%)
FIRST INCIDENCE	529	483	539	501

STATISTICAL TESTS

LIFE TABLE	P=0.052N	P=0.455	P=0.159N	P=0.093N
POLY 3	P=0.323N	P=0.452N	P=0.378N	P=0.327N
POLY 1.5	P=0.329N	P=0.448N	P=0.396N	P=0.332N
POLY 6	P=0.313N	P=0.440N	P=0.348N	P=0.313N
LOGISTIC REGRESSION	P=0.294N	P=0.511N	P=0.349N	P=0.321N
COCH-ARM / FISHERS	P=0.342N	P=0.412N	P=0.412N	P=0.330N
ORDER RESTRICTED	P=0.393N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.401N	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Eye: Cornea
Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	2/45.68
POLY-3 PERCENT (g)	0%	0%	0%	4.4%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	2/40 (5%)
FIRST INCIDENCE	---	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.058	(e)	(e)	P=0.275
POLY 3	P=0.042*	(e)	(e)	P=0.240
POLY 1.5	P=0.042*	(e)	(e)	P=0.238
POLY 6	P=0.044*	(e)	(e)	P=0.245
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.275
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.031*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.037*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Eye: Lens
 Degeneration

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.40	1/43.82	0/46.36	0/45.68
POLY-3 PERCENT (g)	2.2%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	643	525	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.306N	P=0.751	P=0.500N	P=0.495N
POLY 3	P=0.303N	P=0.753	P=0.496N	P=0.499N
POLY 1.5	P=0.303N	P=0.755	P=0.498N	P=0.500N
POLY 6	P=0.302N	P=0.750	P=0.492N	P=0.495N
LOGISTIC REGRESSION	P=0.330N	P=0.663N	P=0.499N	P=0.475N
COCH-ARM / FISHERS	P=0.303N	P=0.753N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.242N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.251N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Eye: Retina
 Atrophy

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.02	1/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	4.4%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	1/30 (3%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	529	730 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.161N	P=0.527N	P=0.242N	P=0.246N
POLY 3	P=0.165N	P=0.522N	P=0.236N	P=0.239N
POLY 1.5	P=0.167N	P=0.514N	P=0.237N	P=0.239N
POLY 6	P=0.163N	P=0.531N	P=0.233N	P=0.236N
LOGISTIC REGRESSION	P=0.180N	P=0.412N	P=0.189N	P=0.132N
COCH-ARM / FISHERS	P=0.169N	P=0.500N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.074N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.082N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Gallbladder Inflammation

LESION RATES

OVERALL (a)	3/49 (6%)	0/49 (0%)	3/48 (6%)	2/49 (4%)
POLY-3 RATE (b)	3/44.08	0/42.38	3/44.96	2/44.68
POLY-3 PERCENT (g)	6.8%	0%	6.7%	4.5%
TERMINAL (d)	3/33 (9%)	0/30 (0%)	3/38 (8%)	2/39 (5%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.576N	P=0.138N	P=0.597N	P=0.424N
POLY 3	P=0.595	P=0.126N	P=0.653N	P=0.494N
POLY 1.5	P=0.586	P=0.124N	P=0.662N	P=0.498N
POLY 6	P=0.611	P=0.127N	P=0.640N	P=0.483N
LOGISTIC REGRESSION	P=0.576N	(e)	P=0.597N	P=0.424N
COCH-ARM / FISHERS	P=0.574	P=0.121N	P=0.651	P=0.500N
ORDER RESTRICTED	P=0.393N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.402N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Harderian Gland Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	31/50 (62%)	30/50 (60%)	26/50 (52%)	30/50 (60%)
POLY-3 RATE (b)	31/48.32	30/46.52	26/47.76	30/47.63
POLY-3 PERCENT (g)	64.2%	64.5%	54.4%	63%
TERMINAL (d)	21/34 (62%)	21/30 (70%)	21/39 (54%)	26/40 (65%)
FIRST INCIDENCE	529	483	606	501

STATISTICAL TESTS

LIFE TABLE	P=0.160N	P=0.422	P=0.102N	P=0.242N
POLY 3	P=0.508N	P=0.572	P=0.221N	P=0.537N
POLY 1.5	P=0.510N	P=0.566N	P=0.219N	P=0.526N
POLY 6	P=0.496N	P=0.540	P=0.216N	P=0.540N
LOGISTIC REGRESSION	P=0.489N	P=0.529N	P=0.203N	P=0.499N
COCH-ARM / FISHERS	P=0.511N	P=0.500N	P=0.210N	P=0.500N
ORDER RESTRICTED	P=0.449N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.456N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Harderian Gland: Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	2/45.30	3/43.40	0/46.36	4/45.86
POLY-3 PERCENT (g)	4.4%	6.9%	0%	8.7%
TERMINAL (d)	1/34 (3%)	1/30 (3%)	0/39 (0%)	3/40 (8%)
FIRST INCIDENCE	674	701	---	683

STATISTICAL TESTS

LIFE TABLE	P=0.335	P=0.463	P=0.217N	P=0.401
POLY 3	P=0.264	P=0.480	P=0.232N	P=0.343
POLY 1.5	P=0.261	P=0.487	P=0.235N	P=0.339
POLY 6	P=0.271	P=0.475	P=0.228N	P=0.353
LOGISTIC REGRESSION	P=0.270	P=0.482	P=0.239N	P=0.342
COCH-ARM / FISHERS	P=0.258	P=0.500	P=0.247N	P=0.339
ORDER RESTRICTED	P=0.210	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.220	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Heart Cardiomyopathy

LESION RATES

OVERALL (a)	9/50 (18%)	6/50 (12%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	9/45.71	6/44.12	5/46.50	3/45.94
POLY-3 PERCENT (g)	19.7%	13.6%	10.8%	6.5%
TERMINAL (d)	6/34 (18%)	3/30 (10%)	4/39 (10%)	2/40 (5%)
FIRST INCIDENCE	616	563	696	658

STATISTICAL TESTS

LIFE TABLE	P=0.039N*	P=0.367N	P=0.137N	P=0.042N*
POLY 3	P=0.060N	P=0.312N	P=0.182N	P=0.058N
POLY 1.5	P=0.063N	P=0.305N	P=0.188N	P=0.059N
POLY 6	P=0.054N	P=0.318N	P=0.173N	P=0.053N
LOGISTIC REGRESSION	P=0.063N	P=0.301N	P=0.175N	P=0.060N
COCH-ARM / FISHERS	P=0.066N	P=0.288N	P=0.194N	P=0.061N
ORDER RESTRICTED	P=0.040N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.046N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Heart Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	1/43.26	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	714	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.543N	P=0.476	(e)	(e)
POLY 3	P=0.582N	P=0.492	(e)	(e)
POLY 1.5	P=0.581N	P=0.494	(e)	(e)
POLY 6	P=0.584N	P=0.489	(e)	(e)
LOGISTIC REGRESSION	P=0.571N	P=0.490	(e)	(e)
COCH-ARM / FISHERS	P=0.576N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.372N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.382N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Intestine Small, Jejunum
Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Intestine Small, Jejunum: Peyer's Patch
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	0/45.08	1/43.38	4/46.73	2/45.68
POLY-3 PERCENT (g)	0%	2.3%	8.6%	4.4%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	3/39 (8%)	2/40 (5%)
FIRST INCIDENCE	---	681	627	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.349	P=0.495	P=0.082	P=0.275
POLY 3	P=0.294	P=0.492	P=0.065	P=0.240
POLY 1.5	P=0.286	P=0.495	P=0.063	P=0.238
POLY 6	P=0.309	P=0.491	P=0.069	P=0.245
LOGISTIC REGRESSION	P=0.286	P=0.509	P=0.062	P=0.275
COCH-ARM / FISHERS	P=0.280	P=0.500	P=0.059	P=0.247
ORDER RESTRICTED	P=0.079	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.088	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Islets, Pancreatic Hyperplasia

LESION RATES

OVERALL (a)	26/50 (52%)	23/50 (46%)	28/50 (56%)	25/50 (50%)
POLY-3 RATE (b)	26/47.01	23/46.34	28/47.31	25/47.87
POLY-3 PERCENT (g)	55.3%	49.6%	59.2%	52.2%
TERMINAL (d)	18/34 (53%)	14/30 (47%)	24/39 (62%)	19/40 (48%)
FIRST INCIDENCE	529	483	627	504

STATISTICAL TESTS

LIFE TABLE	P=0.226N	P=0.529N	P=0.476N	P=0.278N
POLY 3	P=0.502N	P=0.365N	P=0.431	P=0.462N
POLY 1.5	P=0.528N	P=0.364N	P=0.423	P=0.483N
POLY 6	P=0.457N	P=0.357N	P=0.451	P=0.421N
LOGISTIC REGRESSION	P=0.535N	P=0.374N	P=0.479	P=0.497N
COCH-ARM / FISHERS	P=0.536	P=0.345N	P=0.421	P=0.500N
ORDER RESTRICTED	P=0.589	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.592	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney
Amyloid Deposition

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

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First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Kidney Cyst				
LESION RATES				
OVERALL (a)	3/50 (6%)	8/50 (16%)	2/50 (4%)	6/50 (12%)
POLY-3 RATE (b)	3/45.16	8/43.66	2/46.36	6/45.68
POLY-3 PERCENT (g)	6.6%	18.3%	4.3%	13.1%
TERMINAL (d)	2/34 (6%)	6/30 (20%)	2/39 (5%)	6/40 (15%)
FIRST INCIDENCE	710	632	730 (T)	730 (T)
.....				
STATISTICAL TESTS				
LIFE TABLE	P=0.564	P=0.074	P=0.441N	P=0.326
POLY 3	P=0.428	P=0.087	P=0.488N	P=0.247
POLY 1.5	P=0.423	P=0.091	P=0.494N	P=0.244
POLY 6	P=0.441	P=0.084	P=0.478N	P=0.257
LOGISTIC REGRESSION	P=0.476	P=0.083	P=0.461N	P=0.290
COCH-ARM / FISHERS	P=0.420	P=0.100	P=0.500N	P=0.243
ORDER RESTRICTED	P=0.243	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.253	(e)	(e)	(e)
.....				

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
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 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney Infarct

LESION RATES

OVERALL (a)	4/50 (8%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	4/45.08	1/43.20	4/46.36	3/45.68
POLY-3 PERCENT (g)	8.9%	2.3%	8.6%	6.6%
TERMINAL (d)	4/34 (12%)	1/30 (3%)	4/39 (10%)	3/40 (8%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.520N	P=0.217N	P=0.567N	P=0.411N
POLY 3	P=0.585	P=0.192N	P=0.628N	P=0.493N
POLY 1.5	P=0.574	P=0.188N	P=0.635N	P=0.498N
POLY 6	P=0.601N	P=0.195N	P=0.615N	P=0.480N
LOGISTIC REGRESSION	P=0.520N	P=0.217N	P=0.567N	P=0.411N
COCH-ARM / FISHERS	P=0.561	P=0.181N	P=0.643N	P=0.500N
ORDER RESTRICTED	P=0.455N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.462N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney Inflammation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.36	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	679	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.222N	P=0.262N	P=0.218N	P=0.218N
POLY 3	P=0.233N	P=0.248N	P=0.232N	P=0.236N
POLY 1.5	P=0.236N	P=0.244N	P=0.235N	P=0.237N
POLY 6	P=0.230N	P=0.252N	P=0.228N	P=0.232N
LOGISTIC REGRESSION	P=0.243N	P=0.237N	P=0.241N	P=0.237N
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.030N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney Mineralization

LESION RATES

OVERALL (a)	44/50 (88%)	45/50 (90%)	46/50 (92%)	43/50 (86%)
POLY-3 RATE (b)	44/48.51	45/48.09	46/48.52	43/48.31
POLY-3 PERCENT (g)	90.7%	93.6%	94.8%	89%
TERMINAL (d)	31/34 (91%)	29/30 (97%)	38/39 (97%)	36/40 (90%)
FIRST INCIDENCE	529	506	539	505

STATISTICAL TESTS

LIFE TABLE	P=0.026N*	P=0.217	P=0.314N	P=0.131N
POLY 3	P=0.331N	P=0.438	P=0.336	P=0.525N
POLY 1.5	P=0.337N	P=0.439	P=0.346	P=0.520N
POLY 6	P=0.323N	P=0.470	P=0.332	P=0.518N
LOGISTIC REGRESSION	P=0.317N	P=0.309	P=0.427	P=0.539N
COCH-ARM / FISHERS	P=0.360N	P=0.500	P=0.370	P=0.500N
ORDER RESTRICTED	P=0.342N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.352N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney Nephropathy

LESION RATES

OVERALL (a)	48/50 (96%)	41/50 (82%)	48/50 (96%)	48/50 (96%)
POLY-3 RATE (b)	48/49.50	41/47.90	48/49.60	48/49.74
POLY-3 PERCENT (g)	97%	85.6%	96.8%	96.5%
TERMINAL (d)	34/34 (100%)	27/30 (90%)	39/39 (100%)	39/40 (98%)
FIRST INCIDENCE	529	483	463	501

STATISTICAL TESTS

LIFE TABLE	P=0.153N	P=0.393N	P=0.165N	P=0.147N
POLY 3	P=0.222	P=0.038N*	P=0.715N	P=0.681N
POLY 1.5	P=0.194	P=0.034N*	P=0.704N	P=0.686N
POLY 6	P=0.257	P=0.042N*	P=0.739N	P=0.673N
LOGISTIC REGRESSION	P=0.169	P=0.044N*	P=0.685N	P=0.688
COCH-ARM / FISHERS	P=0.155	P=0.026N*	P=0.691N	P=0.691N
ORDER RESTRICTED	P=0.177	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.185	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney: Renal Tubule
 Hyperplasia

LESION RATES

OVERALL (a)	12/50 (24%)	12/50 (24%)	12/50 (24%)	7/50 (14%)
POLY-3 RATE (b)	12/45.30	12/43.61	12/46.50	7/45.86
POLY-3 PERCENT (g)	26.5%	27.5%	25.8%	15.3%
TERMINAL (d)	11/34 (32%)	9/30 (30%)	11/39 (28%)	6/40 (15%)
FIRST INCIDENCE	674	674	696	683

STATISTICAL TESTS

LIFE TABLE	P=0.034N*	P=0.467	P=0.441N	P=0.081N
POLY 3	P=0.085N	P=0.552	P=0.565N	P=0.143N
POLY 1.5	P=0.093N	P=0.564	P=0.578N	P=0.150N
POLY 6	P=0.071N	P=0.543	P=0.541N	P=0.129N
LOGISTIC REGRESSION	P=0.057N	P=0.517	P=0.496N	P=0.115N
COCH-ARM / FISHERS	P=0.102N	P=0.592N	P=0.592N	P=0.154N
ORDER RESTRICTED	P=0.142N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.137N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	1/45.08	4/43.73	5/46.92	4/46.87
POLY-3 PERCENT (g)	2.2%	9.2%	10.7%	8.5%
TERMINAL (d)	1/34 (3%)	3/30 (10%)	3/39 (8%)	1/40 (3%)
FIRST INCIDENCE	730 (T)	567	606	504

STATISTICAL TESTS

LIFE TABLE	P=0.389	P=0.149	P=0.137	P=0.213
POLY 3	P=0.337	P=0.169	P=0.111	P=0.191
POLY 1.5	P=0.322	P=0.172	P=0.107	P=0.185
POLY 6	P=0.364	P=0.167	P=0.118	P=0.203
LOGISTIC REGRESSION	P=0.290	P=0.175	P=0.102	P=0.195
COCH-ARM / FISHERS	P=0.305	P=0.181	P=0.102	P=0.181
ORDER RESTRICTED	P=0.140	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.155	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	34/50 (68%)	22/50 (44%)	29/50 (58%)	24/50 (48%)
POLY-3 RATE (b)	34/46.58	22/44.08	29/46.61	24/45.68
POLY-3 PERCENT (g)	73%	49.9%	62.2%	52.5%
TERMINAL (d)	29/34 (85%)	20/30 (67%)	27/39 (69%)	24/40 (60%)
FIRST INCIDENCE	529	506	696	730 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.006N**	P=0.036N*	P=0.036N*	P<0.001N**
POLY 3	P=0.114N	P=0.015N*	P=0.177N	P=0.028N*
POLY 1.5	P=0.129N	P=0.014N*	P=0.191N	P=0.031N*
POLY 6	P=0.089N	P=0.015N*	P=0.149N	P=0.022N*
LOGISTIC REGRESSION	P=0.051N	P=0.018N*	P=0.090N	P=0.012N*
COCH-ARM / FISHERS	P=0.149N	P=0.013N*	P=0.204N	P=0.034N*
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.030N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
 Eosinophilic Focus

LESION RATES

OVERALL (a)	21/50 (42%)	9/50 (18%)	16/50 (32%)	16/50 (32%)
POLY-3 RATE (b)	21/47.65	9/43.72	16/46.86	16/46.40
POLY-3 PERCENT (g)	44.1%	20.6%	34.1%	34.5%
TERMINAL (d)	12/34 (35%)	7/30 (23%)	14/39 (36%)	14/40 (35%)
FIRST INCIDENCE	529	644	627	509

STATISTICAL TESTS

LIFE TABLE	P=0.305N	P=0.028N*	P=0.123N	P=0.116N
POLY 3	P=0.522N	P=0.013N*	P=0.217N	P=0.228N
POLY 1.5	P=0.535N	P=0.010N**	P=0.213N	P=0.220N
POLY 6	P=0.500N	P=0.017N*	P=0.220N	P=0.233N
LOGISTIC REGRESSION	P=0.526N	P=0.009N**	P=0.200N	P=0.203N
COCH-ARM / FISHERS	P=0.549	P=0.008N**	P=0.204N	P=0.204N
ORDER RESTRICTED	P=0.102N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.115N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
Fatty Change Diffuse

LESION RATES

OVERALL (a)	19/50 (38%)	15/50 (30%)	11/50 (22%)	14/50 (28%)
POLY-3 RATE (b)	19/45.66	15/44.57	11/46.36	14/46.87
POLY-3 PERCENT (g)	41.6%	33.7%	23.7%	29.9%
TERMINAL (d)	16/34 (47%)	13/30 (43%)	11/39 (28%)	12/40 (30%)
FIRST INCIDENCE	665	483	730 (T)	509

STATISTICAL TESTS

LIFE TABLE	P=0.089N	P=0.406N	P=0.023N*	P=0.092N
POLY 3	P=0.212N	P=0.285N	P=0.051N	P=0.166N
POLY 1.5	P=0.232N	P=0.278N	P=0.056N	P=0.181N
POLY 6	P=0.182N	P=0.295N	P=0.044N*	P=0.142N
LOGISTIC REGRESSION	P=0.222N	P=0.317N	P=0.032N*	P=0.183N
COCH-ARM / FISHERS	P=0.257N	P=0.263N	P=0.063N	P=0.198N
ORDER RESTRICTED	P=0.091N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.102N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
 Fatty Change Focal

LESION RATES

OVERALL (a)	11/50 (22%)	0/50 (0%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	11/46.16	0/43.20	4/46.36	6/45.68
POLY-3 PERCENT (g)	23.8%	0%	8.6%	13.1%
TERMINAL (d)	8/34 (24%)	0/30 (0%)	4/39 (10%)	6/40 (15%)
FIRST INCIDENCE	529	---	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.394N	P=0.002N**	P=0.029N*	P=0.088N
POLY 3	P=0.499N	P<0.001N**	P=0.042N*	P=0.146N
POLY 1.5	P=0.513N	P<0.001N**	P=0.044N*	P=0.146N
POLY 6	P=0.477N	P<0.001N**	P=0.040N*	P=0.140N
LOGISTIC REGRESSION	P=0.505N	P<0.001N**	P=0.044N*	P=0.138N
COCH-ARM / FISHERS	P=0.533N	P<0.001N**	P=0.045N*	P=0.143N
ORDER RESTRICTED	P=0.007N**	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.009N**	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	3/50 (6%)	9/50 (18%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	3/45.41	9/45.21	2/46.92	1/45.68
POLY-3 PERCENT (g)	6.6%	19.9%	4.3%	2.2%
TERMINAL (d)	1/34 (3%)	3/30 (10%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	665	506	606	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.035N*	P=0.055	P=0.459N	P=0.267N
POLY 3	P=0.040N*	P=0.057	P=0.485N	P=0.303N
POLY 1.5	P=0.041N*	P=0.058	P=0.492N	P=0.305N
POLY 6	P=0.037N*	P=0.059	P=0.474N	P=0.297N
LOGISTIC REGRESSION	P=0.048N*	P=0.076	P=0.515N	P=0.303N
COCH-ARM / FISHERS	P=0.044N*	P=0.061	P=0.500N	P=0.309N
ORDER RESTRICTED	P=0.035N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.041N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Liver Inflammation				
LESION RATES				
OVERALL (a)	31/50 (62%)	19/50 (38%)	27/50 (54%)	28/50 (56%)
POLY-3 RATE (b)	31/47.39	19/45.46	27/48.11	28/47.39
POLY-3 PERCENT (g)	65.4%	41.8%	56.1%	59.1%
TERMINAL (d)	22/34 (65%)	12/30 (40%)	21/39 (54%)	24/40 (60%)
FIRST INCIDENCE	574	483	606	509
.....				
STATISTICAL TESTS				
LIFE TABLE	P=0.342N	P=0.067N	P=0.128N	P=0.141N
POLY 3	P=0.407	P=0.015N*	P=0.233N	P=0.334N
POLY 1.5	P=0.389	P=0.014N*	P=0.252N	P=0.341N
POLY 6	P=0.440	P=0.017N*	P=0.207N	P=0.317N
LOGISTIC REGRESSION	P=0.396	P=0.018N*	P=0.243N	P=0.333N
COCH-ARM / FISHERS	P=0.366	P=0.014N*	P=0.272N	P=0.342N
ORDER RESTRICTED	P=0.149N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.157N	(e)	(e)	(e)
.....				

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
Mixed Cell Focus

LESION RATES

OVERALL (a)	14/50 (28%)	9/50 (18%)	13/50 (26%)	12/50 (24%)
POLY-3 RATE (b)	14/46.36	9/43.67	13/47.21	12/46.34
POLY-3 PERCENT (g)	30.2%	20.6%	27.5%	25.9%
TERMINAL (d)	10/34 (29%)	7/30 (23%)	10/39 (26%)	11/40 (28%)
FIRST INCIDENCE	529	659	539	509

STATISTICAL TESTS

LIFE TABLE	P=0.347N	P=0.259N	P=0.366N	P=0.273N
POLY 3	P=0.527N	P=0.211N	P=0.478N	P=0.409N
POLY 1.5	P=0.542N	P=0.196N	P=0.489N	P=0.413N
POLY 6	P=0.502N	P=0.226N	P=0.459N	P=0.397N
LOGISTIC REGRESSION	P=0.537N	P=0.197N	P=0.494N	P=0.406N
COCH-ARM / FISHERS	P=0.551	P=0.171N	P=0.500N	P=0.410N
ORDER RESTRICTED	P=0.438N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.443N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
 Necrosis

LESION RATES

OVERALL (a)	3/50 (6%)	9/50 (18%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	3/46.06	9/45.60	5/46.50	7/47.29
POLY-3 PERCENT (g)	6.5%	19.7%	10.8%	14.8%
TERMINAL (d)	1/34 (3%)	3/30 (10%)	4/39 (10%)	4/40 (10%)
FIRST INCIDENCE	546	308	696	501

STATISTICAL TESTS

LIFE TABLE	P=0.472	P=0.057	P=0.418	P=0.201
POLY 3	P=0.384	P=0.056	P=0.362	P=0.168
POLY 1.5	P=0.373	P=0.058	P=0.359	P=0.163
POLY 6	P=0.406	P=0.055	P=0.369	P=0.179
LOGISTIC REGRESSION	P=0.323	P=0.112	P=0.341	P=0.176
COCH-ARM / FISHERS	P=0.362	P=0.061	P=0.357	P=0.159
ORDER RESTRICTED	P=0.167	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.180	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver Pigmentation

LESION RATES

OVERALL (a)	4/50 (8%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	4/45.82	3/43.80	0/46.36	0/45.68
POLY-3 PERCENT (g)	8.7%	6.9%	0%	0%
TERMINAL (d)	1/34 (3%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	616	632	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.028N*	P=0.530N	P=0.055N	P=0.057N
POLY 3	P=0.030N*	P=0.525N	P=0.059N	P=0.061N
POLY 1.5	P=0.030N*	P=0.517N	P=0.060N	P=0.061N
POLY 6	P=0.029N*	P=0.533N	P=0.057N	P=0.059N
LOGISTIC REGRESSION	P=0.034N*	P=0.469N	P=0.066N	P=0.060N
COCH-ARM / FISHERS	P=0.032N*	P=0.500N	P=0.059N	P=0.059N
ORDER RESTRICTED	P=0.019N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.022N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
 Tension Lipidosis

LESION RATES

OVERALL (a)	3/50 (6%)	5/50 (10%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/45.08	5/43.84	3/46.72	3/45.68
POLY-3 PERCENT (g)	6.7%	11.4%	6.4%	6.6%
TERMINAL (d)	3/34 (9%)	3/30 (10%)	2/39 (5%)	3/40 (8%)
FIRST INCIDENCE	730 (T)	567	630	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.345N	P=0.300	P=0.605N	P=0.586N
POLY 3	P=0.438N	P=0.341	P=0.646N	P=0.656N
POLY 1.5	P=0.444N	P=0.345	P=0.654N	P=0.660N
POLY 6	P=0.425N	P=0.338	P=0.633N	P=0.646N
LOGISTIC REGRESSION	P=0.436N	P=0.337	P=0.652N	P=0.586N
COCH-ARM / FISHERS	P=0.448N	P=0.357	P=0.661N	P=0.661N
ORDER RESTRICTED	P=0.519N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.524N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lung Hemorrhage

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.08	1/43.74	0/46.36	1/45.68
POLY-3 PERCENT (g)	0%	2.3%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	---	563	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.485	P=0.492	(e)	P=0.532
POLY 3	P=0.467	P=0.494	(e)	P=0.503
POLY 1.5	P=0.465	P=0.496	(e)	P=0.501
POLY 6	P=0.472	P=0.493	(e)	P=0.507
LOGISTIC REGRESSION	P=0.447	P=0.636	(e)	P=0.532
COCH-ARM / FISHERS	P=0.464	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.253	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.263	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Lung Inflammation				
LESION RATES				
OVERALL (a)	6/50 (12%)	5/50 (10%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	6/45.41	5/43.85	0/46.36	1/45.68
POLY-3 PERCENT (g)	13.2%	11.4%	0%	2.2%
TERMINAL (d)	4/34 (12%)	3/30 (10%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	674	563	---	730 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.020N*	P=0.565N	P=0.013N*	P=0.042N*
POLY 3	P=0.026N*	P=0.525N	P=0.014N*	P=0.055N
POLY 1.5	P=0.027N*	P=0.517N	P=0.015N*	P=0.056N
POLY 6	P=0.025N*	P=0.532N	P=0.013N*	P=0.052N
LOGISTIC REGRESSION	P=0.028N*	P=0.521N	P=0.015N*	P=0.053N
COCH-ARM / FISHERS	P=0.030N*	P=0.500N	P=0.013N*	P=0.056N
ORDER RESTRICTED	P=0.012N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.014N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lung: Alveolar Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	6/50 (12%)	0/50 (0%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	6/45.08	0/43.20	0/46.36	4/45.68
POLY-3 PERCENT (g)	13.3%	0%	0%	8.8%
TERMINAL (d)	6/34 (18%)	0/30 (0%)	0/39 (0%)	4/40 (10%)
FIRST INCIDENCE	730 (T)	---	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.581	P=0.024N*	P=0.011N*	P=0.270N
POLY 3	P=0.493	P=0.017N*	P=0.014N*	P=0.361N
POLY 1.5	P=0.485	P=0.017N*	P=0.015N*	P=0.367N
POLY 6	P=0.505	P=0.018N*	P=0.013N*	P=0.346N
LOGISTIC REGRESSION	P=0.581	(e)	(e)	P=0.270N
COCH-ARM / FISHERS	P=0.472	P=0.013N*	P=0.013N*	P=0.370N
ORDER RESTRICTED	P=0.019N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.023N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lung: Alveolus
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	5/50 (10%)	8/50 (16%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	5/46.03	8/44.23	2/46.54	3/46.34
POLY-3 PERCENT (g)	10.9%	18.1%	4.3%	6.5%
TERMINAL (d)	2/34 (6%)	4/30 (13%)	0/39 (0%)	2/40 (5%)
FIRST INCIDENCE	609	563	701	505

STATISTICAL TESTS

LIFE TABLE	P=0.109N	P=0.234	P=0.189N	P=0.318N
POLY 3	P=0.141N	P=0.249	P=0.212N	P=0.353N
POLY 1.5	P=0.144N	P=0.258	P=0.215N	P=0.356N
POLY 6	P=0.135N	P=0.241	P=0.206N	P=0.345N
LOGISTIC REGRESSION	P=0.156N	P=0.291	P=0.228N	P=0.335N
COCH-ARM / FISHERS	P=0.148N	P=0.277	P=0.218N	P=0.357N
ORDER RESTRICTED	P=0.106N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.115N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mandibular
 Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	4/50 (8%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	4/43.91	1/46.36	0/45.68
POLY-3 PERCENT (g)	0%	9.1%	2.2%	0%
TERMINAL (d)	0/34 (0%)	2/30 (7%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	---	525	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.170N	P=0.054	P=0.527	(e)
POLY 3	P=0.196N	P=0.057	P=0.506	(e)
POLY 1.5	P=0.198N	P=0.058	P=0.503	(e)
POLY 6	P=0.191N	P=0.056	P=0.510	(e)
LOGISTIC REGRESSION	P=0.205N	P=0.069	P=0.527	(e)
COCH-ARM / FISHERS	P=0.200N	P=0.059	P=0.500	(e)
ORDER RESTRICTED	P=0.142N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.152N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mandibular
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.70	1/43.28	0/46.36	1/45.68
POLY-3 PERCENT (g)	4.4%	2.3%	0%	2.2%
TERMINAL (d)	1/34 (3%)	0/30 (0%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	529	708	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.457N	P=0.534N	P=0.227N	P=0.472N
POLY 3	P=0.494N	P=0.519N	P=0.234N	P=0.500N
POLY 1.5	P=0.496N	P=0.513N	P=0.236N	P=0.501N
POLY 6	P=0.490N	P=0.525N	P=0.230N	P=0.494N
LOGISTIC REGRESSION	P=0.511N	P=0.448N	P=0.227N	P=0.481N
COCH-ARM / FISHERS	P=0.500N	P=0.500N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.224N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.231N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mesenteric Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	2/43.20	1/46.36	0/45.68
POLY-3 PERCENT (g)	0%	4.6%	2.2%	0%
TERMINAL (d)	0/34 (0%)	2/30 (7%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	---	730 (T)	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.326N	P=0.211	P=0.527	(e)
POLY 3	P=0.377N	P=0.228	P=0.506	(e)
POLY 1.5	P=0.379N	P=0.231	P=0.503	(e)
POLY 6	P=0.373N	P=0.225	P=0.510	(e)
LOGISTIC REGRESSION	(e)	P=0.211	P=0.527	(e)
COCH-ARM / FISHERS	P=0.378N	P=0.247	P=0.500	(e)
ORDER RESTRICTED	P=0.315N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.326N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mesenteric
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/45.08	2/43.38	1/46.73	1/45.68
POLY-3 PERCENT (g)	2.2%	4.6%	2.1%	2.2%
TERMINAL (d)	1/34 (3%)	1/30 (3%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	730 (T)	681	627	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.478N	P=0.468	P=0.735N	P=0.725N
POLY 3	P=0.530N	P=0.487	P=0.753N	P=0.758N
POLY 1.5	P=0.532N	P=0.491	P=0.756N	P=0.760N
POLY 6	P=0.523N	P=0.483	P=0.746N	P=0.753N
LOGISTIC REGRESSION	P=0.535N	P=0.482	P=0.756	P=0.725N
COCH-ARM / FISHERS	P=0.535N	P=0.500	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.568N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.571N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node: Lumbar
Ectasia

LESION RATES

OVERALL (a)	0/0 (0%)	0/1 (0%)	0/3 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/0.91	0/2.57	0/0.94
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node: Renal
Ectasia

LESION RATES

OVERALL (a)	0/0 (0%)	0/1 (0%)	0/3 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/0.00	0/0.91	0/2.57	0/0.94
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Mesentery: Fat
 Necrosis

LESION RATES

OVERALL (a)	9/10 (90%)	3/3 (100%)	3/4 (75%)	1/2 (50%)
POLY-3 RATE (b)	9/10.00	3/3.00	3/4.00	1/2.00
POLY-3 PERCENT (g)	90%	100%	75%	50%
TERMINAL (d)	7/8 (88%)	2/2 (100%)	3/4 (75%)	1/2 (50%)
FIRST INCIDENCE	665	701	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.054N	P=0.619N	P=0.177N	P=0.096N
POLY 3	P=0.199N	P=0.732	P=0.545N	P=0.365N
POLY 1.5	P=0.199N	P=0.732	P=0.545N	P=0.365N
POLY 6	P=0.199N	P=0.732	P=0.545N	P=0.365N
LOGISTIC REGRESSION	(e)	(e)	P=0.177N	P=0.096N
COCH-ARM / FISHERS	P=0.190N	P=0.769	P=0.505N	P=0.318N
ORDER RESTRICTED	P=0.245N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.215N	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Nose Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	3/44.48	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	6.7%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	525	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.253N	P=0.115	(e)	(e)
POLY 3	P=0.253N	P=0.116	(e)	(e)
POLY 1.5	P=0.254N	P=0.117	(e)	(e)
POLY 6	P=0.249N	P=0.116	(e)	(e)
LOGISTIC REGRESSION	P=0.279N	P=0.185	(e)	(e)
COCH-ARM / FISHERS	P=0.255N	P=0.121	(e)	(e)
ORDER RESTRICTED	P=0.158N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.168N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Nose: Respiratory Epithelium Inflammation

LESION RATES

OVERALL (a)	7/50 (14%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	7/45.20	0/43.20	1/46.36	0/45.68
POLY-3 PERCENT (g)	15.5%	0%	2.2%	0%
TERMINAL (d)	6/34 (18%)	0/30 (0%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	701	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.013N*	P=0.014N*	P=0.021N*	P=0.005N**
POLY 3	P=0.015N*	P=0.009N**	P=0.027N*	P=0.007N**
POLY 1.5	P=0.016N*	P=0.008N**	P=0.029N*	P=0.007N**
POLY 6	P=0.013N*	P=0.009N**	P=0.025N*	P=0.006N**
LOGISTIC REGRESSION	P=0.015N*	P=0.012N*	P=0.023N*	P=0.006N**
COCH-ARM / FISHERS	P=0.021N*	P=0.006N**	P=0.030N*	P=0.006N**
ORDER RESTRICTED	P<0.001N**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001N**	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Pancreas Cyst				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pancreas Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	7/50 (14%)	0/50 (0%)	3/50 (6%)	6/50 (12%)
POLY-3 RATE (b)	7/45.08	0/43.20	3/46.36	6/45.68
POLY-3 PERCENT (g)	15.5%	0%	6.5%	13.1%
TERMINAL (d)	7/34 (21%)	0/30 (0%)	3/39 (8%)	6/40 (15%)
FIRST INCIDENCE	730 (T)	---	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.395	P=0.013N*	P=0.106N	P=0.374N
POLY 3	P=0.287	P=0.009N**	P=0.146N	P=0.490N
POLY 1.5	P=0.277	P=0.008N**	P=0.152N	P=0.497N
POLY 6	P=0.304	P=0.009N**	P=0.136N	P=0.472N
LOGISTIC REGRESSION	P=0.395	(e)	P=0.106N	P=0.374N
COCH-ARM / FISHERS	P=0.266	P=0.006N**	P=0.159N	P=0.500N
ORDER RESTRICTED	P=0.098N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.107N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pancreas Inflammation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	2/34 (6%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	730 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.212N	P=0.266N	P=0.209N	P=0.203N
POLY 3	P=0.234N	P=0.247N	P=0.231N	P=0.234N
POLY 1.5	P=0.236N	P=0.244N	P=0.234N	P=0.236N
POLY 6	P=0.232N	P=0.250N	P=0.226N	P=0.229N
LOGISTIC REGRESSION	P=0.212N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.029N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pancreas: Acinus
Atrophy

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.08	2/43.82	0/46.36	1/45.68
POLY-3 PERCENT (g)	0%	4.6%	0%	2.2%
TERMINAL (d)	0/34 (0%)	1/30 (3%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	---	525	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.652	P=0.219	(e)	P=0.532
POLY 3	P=0.624	P=0.231	(e)	P=0.503
POLY 1.5	P=0.622	P=0.233	(e)	P=0.501
POLY 6	P=0.629	P=0.229	(e)	P=0.507
LOGISTIC REGRESSION	P=0.610	P=0.289	(e)	P=0.532
COCH-ARM / FISHERS	P=0.622	P=0.247	(e)	P=0.500
ORDER RESTRICTED	P=0.325	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.336	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Pituitary Gland Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/45.96	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pituitary Gland
Cyst

LESION RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	4/49 (8%)	6/50 (12%)
POLY-3 RATE (b)	3/45.08	3/43.20	4/45.96	6/45.68
POLY-3 PERCENT (g)	6.7%	7%	8.7%	13.1%
TERMINAL (d)	3/34 (9%)	3/30 (10%)	4/39 (10%)	6/40 (15%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.246	P=0.605	P=0.575	P=0.326
POLY 3	P=0.160	P=0.643	P=0.510	P=0.248
POLY 1.5	P=0.155	P=0.649	P=0.500	P=0.244
POLY 6	P=0.172	P=0.637	P=0.526	P=0.259
LOGISTIC REGRESSION	P=0.246	P=0.605	P=0.575	P=0.326
COCH-ARM / FISHERS	P=0.148	P=0.661N	P=0.489	P=0.243
ORDER RESTRICTED	P=0.219	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.229	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/45.96	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Preputial Gland Inflammation

LESION RATES

OVERALL (a)	38/50 (76%)	30/50 (60%)	26/50 (52%)	28/50 (56%)
POLY-3 RATE (b)	38/49.13	30/48.38	26/47.29	28/47.00
POLY-3 PERCENT (g)	77.4%	62%	55%	59.6%
TERMINAL (d)	25/34 (74%)	16/30 (53%)	23/39 (59%)	24/40 (60%)
FIRST INCIDENCE	529	308	606	568

STATISTICAL TESTS

LIFE TABLE	P=0.017N*	P=0.282N	P=0.005N**	P=0.011N*
POLY 3	P=0.113N	P=0.072N	P=0.014N*	P=0.044N*
POLY 1.5	P=0.102N	P=0.069N	P=0.012N*	P=0.037N*
POLY 6	P=0.120N	P=0.077N	P=0.017N*	P=0.050N*
LOGISTIC REGRESSION	P=0.081N	P=0.049N*	P=0.010N**	P=0.028N*
COCH-ARM / FISHERS	P=0.083N	P=0.066N	P=0.011N*	P=0.028N*
ORDER RESTRICTED	P=0.025N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.032N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Preputial Gland: Duct
 Ectasia

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	2/45.08	2/43.20	1/46.36	4/45.68
POLY-3 PERCENT (g)	4.4%	4.6%	2.2%	8.8%
TERMINAL (d)	2/34 (6%)	2/30 (7%)	1/39 (3%)	4/40 (10%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.280	P=0.650	P=0.452N	P=0.414
POLY 3	P=0.206	P=0.679	P=0.490N	P=0.343
POLY 1.5	P=0.202	P=0.683	P=0.495N	P=0.339
POLY 6	P=0.214	P=0.674	P=0.482N	P=0.354
LOGISTIC REGRESSION	P=0.280	P=0.650	P=0.452N	P=0.414
COCH-ARM / FISHERS	P=0.197	P=0.691N	P=0.500N	P=0.339
ORDER RESTRICTED	P=0.211	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.222	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Prostate Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	20/50 (40%)	17/50 (34%)	18/50 (36%)	14/50 (28%)
POLY-3 RATE (b)	20/46.29	17/44.83	18/46.63	14/46.02
POLY-3 PERCENT (g)	43.2%	37.9%	38.6%	30.4%
TERMINAL (d)	15/34 (44%)	11/30 (37%)	16/39 (41%)	13/40 (33%)
FIRST INCIDENCE	616	483	696	634

STATISTICAL TESTS

LIFE TABLE	P=0.043N*	P=0.494N	P=0.246N	P=0.063N
POLY 3	P=0.137N	P=0.381N	P=0.404N	P=0.143N
POLY 1.5	P=0.145N	P=0.368N	P=0.412N	P=0.146N
POLY 6	P=0.124N	P=0.394N	P=0.391N	P=0.133N
LOGISTIC REGRESSION	P=0.115N	P=0.393N	P=0.343N	P=0.123N
COCH-ARM / FISHERS	P=0.152N	P=0.339N	P=0.418N	P=0.146N
ORDER RESTRICTED	P=0.155N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.163N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
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 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Salivary Glands Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	35/50 (70%)	28/50 (56%)	39/50 (78%)	40/50 (80%)
POLY-3 RATE (b)	35/48.29	28/45.58	39/47.51	40/48.48
POLY-3 PERCENT (g)	72.5%	61.4%	82.1%	82.5%
TERMINAL (d)	23/34 (68%)	20/30 (67%)	34/39 (87%)	34/40 (85%)
FIRST INCIDENCE	529	483	606	501

STATISTICAL TESTS

LIFE TABLE	P=0.422	P=0.322N	P=0.537N	P=0.563
POLY 3	P=0.040*	P=0.172N	P=0.181	P=0.167
POLY 1.5	P=0.036*	P=0.144N	P=0.206	P=0.169
POLY 6	P=0.049*	P=0.214N	P=0.158	P=0.171
LOGISTIC REGRESSION	P=0.039*	P=0.143N	P=0.294	P=0.176
COCH-ARM / FISHERS	P=0.033*	P=0.107N	P=0.247	P=0.178
ORDER RESTRICTED	P=0.046*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.052	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Skin Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	2/46.50	0/45.68
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	696	---

STATISTICAL TESTS

LIFE TABLE	P=0.662N	(e)	P=0.272	(e)
POLY 3	P=0.688N	(e)	P=0.244	(e)
POLY 1.5	P=0.693N	(e)	P=0.241	(e)
POLY 6	P=0.677N	(e)	P=0.250	(e)
LOGISTIC REGRESSION	P=0.691N	(e)	P=0.242	(e)
COCH-ARM / FISHERS	P=0.697N	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.252	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.262	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Skin				
Ulcer				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/45.34	0/43.20	2/46.50	0/45.68
POLY-3 PERCENT (g)	2.2%	0%	4.3%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	662	---	696	---
STATISTICAL TESTS				
LIFE TABLE	P=0.424N	P=0.515N	P=0.536	P=0.500N
POLY 3	P=0.442N	P=0.510N	P=0.509	P=0.499N
POLY 1.5	P=0.448N	P=0.506N	P=0.504	P=0.500N
POLY 6	P=0.431N	P=0.513N	P=0.516	P=0.495N
LOGISTIC REGRESSION	P=0.457N	P=0.475N	P=0.494	P=0.488N
COCH-ARM / FISHERS	P=0.455N	P=0.500N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.321N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.331N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Skin: Site of Application - Dermis
Inflammation Chronic

LESION RATES

OVERALL (a)	4/50 (8%)	1/50 (2%)	7/50 (14%)	10/50 (20%)
POLY-3 RATE (b)	4/45.65	1/43.20	7/46.81	10/46.35
POLY-3 PERCENT (g)	8.8%	2.3%	15%	21.6%
TERMINAL (d)	2/34 (6%)	1/30 (3%)	5/39 (13%)	7/40 (18%)
FIRST INCIDENCE	643	730 (T)	637	634

STATISTICAL TESTS

LIFE TABLE	P=0.022*	P=0.213N	P=0.327	P=0.125
POLY 3	P=0.008**	P=0.196N	P=0.275	P=0.076
POLY 1.5	P=0.007**	P=0.190N	P=0.269	P=0.074
POLY 6	P=0.010**	P=0.203N	P=0.287	P=0.083
LOGISTIC REGRESSION	P=0.008**	P=0.183N	P=0.261	P=0.075
COCH-ARM / FISHERS	P=0.007**	P=0.181N	P=0.262	P=0.074
ORDER RESTRICTED	P=0.011*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.013*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Skin: Site of Application - Epidermis
Hyperplasia

LESION RATES

OVERALL (a)	6/50 (12%)	12/50 (24%)	37/50 (74%)	50/50 (100%)
POLY-3 RATE (b)	6/45.34	12/44.53	37/48.33	50/50.00
POLY-3 PERCENT (g)	13.2%	27%	76.6%	100%
TERMINAL (d)	5/34 (15%)	8/30 (27%)	31/39 (80%)	40/40 (100%)
FIRST INCIDENCE	662	506	539	501

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.066	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.085	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.087	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.083	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.085	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.096	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Skin: Site of Application - Epidermis
 Ulcer

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/45.08	0/43.20	1/46.36	3/46.29
POLY-3 PERCENT (g)	0%	0%	2.2%	6.5%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	1/40 (3%)
FIRST INCIDENCE	---	---	730 (T)	634

STATISTICAL TESTS

LIFE TABLE	P=0.030*	(e)	P=0.527	P=0.139
POLY 3	P=0.023*	(e)	P=0.506	P=0.123
POLY 1.5	P=0.022*	(e)	P=0.503	P=0.121
POLY 6	P=0.025*	(e)	P=0.510	P=0.130
LOGISTIC REGRESSION	P=0.020*	(e)	P=0.527	P=0.124
COCH-ARM / FISHERS	P=0.021*	(e)	P=0.500	P=0.121
ORDER RESTRICTED	P=0.023*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.029*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	19/50 (38%)	13/49 (27%)	20/50 (40%)	13/50 (26%)
POLY-3 RATE (b)	19/48.17	13/44.73	20/49.01	13/48.22
POLY-3 PERCENT (g)	39.5%	29.1%	40.8%	27%
TERMINAL (d)	9/34 (27%)	6/30 (20%)	12/39 (31%)	8/40 (20%)
FIRST INCIDENCE	529	567	463	501

STATISTICAL TESTS

LIFE TABLE	P=0.123N	P=0.256N	P=0.501N	P=0.109N
POLY 3	P=0.178N	P=0.201N	P=0.528	P=0.138N
POLY 1.5	P=0.192N	P=0.183N	P=0.514	P=0.141N
POLY 6	P=0.159N	P=0.224N	P=0.551	P=0.132N
LOGISTIC REGRESSION	P=0.225N	P=0.137N	P=0.414	P=0.139N
COCH-ARM / FISHERS	P=0.211N	P=0.157N	P=0.500	P=0.142N
ORDER RESTRICTED	P=0.147N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.156N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	8/50 (16%)	12/49 (24%)	12/50 (24%)	11/50 (22%)
POLY-3 RATE (b)	8/45.08	12/43.95	12/46.50	11/45.68
POLY-3 PERCENT (g)	17.7%	27.3%	25.8%	24.1%
TERMINAL (d)	8/34 (24%)	9/30 (30%)	11/39 (28%)	11/40 (28%)
FIRST INCIDENCE	730 (T)	567	696	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.461N	P=0.148	P=0.338	P=0.452
POLY 3	P=0.446	P=0.203	P=0.248	P=0.314
POLY 1.5	P=0.435	P=0.206	P=0.237	P=0.307
POLY 6	P=0.474	P=0.202	P=0.267	P=0.333
LOGISTIC REGRESSION	P=0.521	P=0.181	P=0.305	P=0.452
COCH-ARM / FISHERS	P=0.430	P=0.212	P=0.227	P=0.306
ORDER RESTRICTED	P=0.294	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.305	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Spleen Pigmentation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/49 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.12	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen: Lymphoid Follicle
 Atrophy

LESION RATES

OVERALL (a)	2/50 (4%)	4/49 (8%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.51	4/44.69	0/46.36	1/46.34
POLY-3 PERCENT (g)	4.4%	9%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	609	483	---	509

STATISTICAL TESTS

LIFE TABLE	P=0.211N	P=0.313	P=0.228N	P=0.497N
POLY 3	P=0.215N	P=0.329	P=0.233N	P=0.494N
POLY 1.5	P=0.217N	P=0.329	P=0.235N	P=0.497N
POLY 6	P=0.210N	P=0.328	P=0.229N	P=0.486N
LOGISTIC REGRESSION	P=0.170N	P=0.429	P=0.243N	P=0.415N
COCH-ARM / FISHERS	P=0.220N	P=0.329	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.122N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.134N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen: Red Pulp
 Atrophy

LESION RATES

OVERALL (a)	1/50 (2%)	4/49 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/45.50	4/44.69	1/46.36	2/46.34
POLY-3 PERCENT (g)	2.2%	9%	2.2%	4.3%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	1/40 (3%)
FIRST INCIDENCE	609	483	730 (T)	509

STATISTICAL TESTS

LIFE TABLE	P=0.539N	P=0.172	P=0.745N	P=0.507
POLY 3	P=0.563N	P=0.173	P=0.756N	P=0.506
POLY 1.5	P=0.567N	P=0.173	P=0.758N	P=0.503
POLY 6	P=0.555N	P=0.173	P=0.753N	P=0.514
LOGISTIC REGRESSION	P=0.529N	P=0.257	P=0.757	P=0.584
COCH-ARM / FISHERS	P=0.570N	P=0.175	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.395	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.406	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach
Hyperkeratosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach
 Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/45.67	1/43.32	1/46.36	1/45.94
POLY-3 PERCENT (g)	2.2%	2.3%	2.2%	2.2%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	546	699	730 (T)	659

STATISTICAL TESTS

LIFE TABLE	P=0.640N	P=0.750	P=0.748N	P=0.756
POLY 3	P=0.659N	P=0.749	P=0.757N	P=0.759N
POLY 1.5	P=0.663N	P=0.753	P=0.759N	P=0.760
POLY 6	P=0.653N	P=0.745	P=0.754N	P=0.755N
LOGISTIC REGRESSION	P=0.653	P=0.706N	P=0.767N	P=0.704N
COCH-ARM / FISHERS	P=0.667	P=0.753N	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.739N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.738N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach
Inflammation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.86	0/43.20	0/46.36	0/45.68
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	0/40 (0%)
FIRST INCIDENCE	546	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.238N	P=0.253N	P=0.231N	P=0.238N
POLY 3	P=0.231N	P=0.251N	P=0.235N	P=0.238N
POLY 1.5	P=0.235N	P=0.246N	P=0.236N	P=0.239N
POLY 6	P=0.228N	P=0.256N	P=0.232N	P=0.235N
LOGISTIC REGRESSION	P=0.259N	P=0.149N	P=0.214N	P=0.171N
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.031N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach
 Ulcer

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.08	0/43.20	0/46.36	2/45.94
POLY-3 PERCENT (g)	0%	0%	0%	4.4%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	---	---	---	659

STATISTICAL TESTS

LIFE TABLE	P=0.052	(e)	(e)	P=0.260
POLY 3	P=0.043*	(e)	(e)	P=0.241
POLY 1.5	P=0.042*	(e)	(e)	P=0.239
POLY 6	P=0.044*	(e)	(e)	P=0.248
LOGISTIC REGRESSION	P=0.041*	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.032*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.038*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Glandular
 Erosion

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/45.08	1/43.82	1/46.70	1/45.68
POLY-3 PERCENT (g)	0%	2.3%	2.1%	2.2%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	1/40 (3%)
FIRST INCIDENCE	---	525	637	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.502	P=0.488	P=0.505	P=0.532
POLY 3	P=0.492	P=0.494	P=0.507	P=0.503
POLY 1.5	P=0.488	P=0.496	P=0.504	P=0.501
POLY 6	P=0.502	P=0.493	P=0.513	P=0.507
LOGISTIC REGRESSION	P=0.459	P=0.691	P=0.503	P=0.532
COCH-ARM / FISHERS	P=0.485	P=0.500	P=0.500	P=0.500
ORDER RESTRICTED	P=0.328	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.339	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Glandular: Glands
 Cyst

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.28	1/43.50	0/46.36	2/45.68
POLY-3 PERCENT (g)	2.2%	2.3%	0%	4.4%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	0/39 (0%)	2/40 (5%)
FIRST INCIDENCE	679	648	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.379	P=0.752	P=0.481N	P=0.546
POLY 3	P=0.339	P=0.752	P=0.495N	P=0.503
POLY 1.5	P=0.336	P=0.754	P=0.498N	P=0.501
POLY 6	P=0.345	P=0.749	P=0.491N	P=0.510
LOGISTIC REGRESSION	P=0.331	P=0.742N	P=0.506N	P=0.505
COCH-ARM / FISHERS	P=0.333	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.276	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.285	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Glandular: Glands
 Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/45.08	1/43.20	2/46.36	0/45.68
POLY-3 PERCENT (g)	2.2%	2.3%	4.3%	0%
TERMINAL (d)	1/34 (3%)	1/30 (3%)	2/39 (5%)	0/40 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.277N	P=0.734	P=0.548	P=0.468N
POLY 3	P=0.323N	P=0.751	P=0.510	P=0.497N
POLY 1.5	P=0.328N	P=0.754	P=0.505	P=0.499N
POLY 6	P=0.314N	P=0.748	P=0.518	P=0.493N
LOGISTIC REGRESSION	P=0.277N	P=0.734	P=0.548	(e)
COCH-ARM / FISHERS	P=0.333N	P=0.753N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.266N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.277N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Testes
Mineralization

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	1/45.08	0/43.20	3/47.32	1/45.68
POLY-3 PERCENT (g)	2.2%	0%	6.3%	2.2%
TERMINAL (d)	1/34 (3%)	0/30 (0%)	1/39 (3%)	1/40 (3%)
FIRST INCIDENCE	730 (T)	---	539	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.601	P=0.525N	P=0.336	P=0.725N
POLY 3	P=0.578	P=0.509N	P=0.323	P=0.758N
POLY 1.5	P=0.569	P=0.506N	P=0.315	P=0.760N
POLY 6	P=0.596	P=0.511N	P=0.335	P=0.753N
LOGISTIC REGRESSION	P=0.545	(e)	P=0.290	P=0.725N
COCH-ARM / FISHERS	P=0.558	P=0.500N	P=0.309	P=0.753N
ORDER RESTRICTED	P=0.283	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.292	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Testes: Germinal Epithelium
Atrophy

LESION RATES

OVERALL (a)	4/50 (8%)	0/50 (0%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	4/45.90	0/43.20	3/46.36	5/46.20
POLY-3 PERCENT (g)	8.7%	0%	6.5%	10.8%
TERMINAL (d)	2/34 (6%)	0/30 (0%)	3/39 (8%)	4/40 (10%)
FIRST INCIDENCE	610	---	730 (T)	568

STATISTICAL TESTS

LIFE TABLE	P=0.213	P=0.077N	P=0.442N	P=0.562
POLY 3	P=0.164	P=0.068N	P=0.495N	P=0.504
POLY 1.5	P=0.157	P=0.065N	P=0.498N	P=0.500
POLY 6	P=0.176	P=0.072N	P=0.489N	P=0.515
LOGISTIC REGRESSION	P=0.146	P=0.050N*	P=0.509N	P=0.504
COCH-ARM / FISHERS	P=0.148	P=0.059N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.168	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.177	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thymus Atrophy

LESION RATES

OVERALL (a)	22/47 (47%)	19/48 (40%)	27/46 (59%)	23/46 (50%)
POLY-3 RATE (b)	22/45.49	19/45.01	27/44.47	23/44.80
POLY-3 PERCENT (g)	48.4%	42.2%	60.7%	51.3%
TERMINAL (d)	12/32 (38%)	11/29 (38%)	21/36 (58%)	17/36 (47%)
FIRST INCIDENCE	546	308	539	501

STATISTICAL TESTS

LIFE TABLE	P=0.492N	P=0.473N	P=0.387	P=0.513N
POLY 3	P=0.338	P=0.353N	P=0.166	P=0.471
POLY 1.5	P=0.322	P=0.333N	P=0.167	P=0.467
POLY 6	P=0.364	P=0.385N	P=0.168	P=0.478
LOGISTIC REGRESSION	P=0.281	P=0.257N	P=0.158	P=0.447
COCH-ARM / FISHERS	P=0.301	P=0.307N	P=0.174	P=0.460
ORDER RESTRICTED	P=0.239	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.247	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thymus
Cyst

LESION RATES

OVERALL (a)	0/47 (0%)	2/48 (4%)	0/46 (0%)	1/46 (2%)
POLY-3 RATE (b)	0/42.23	2/41.82	0/42.50	1/41.68
POLY-3 PERCENT (g)	0%	4.8%	0%	2.4%
TERMINAL (d)	0/32 (0%)	2/29 (7%)	0/36 (0%)	1/36 (3%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.661	P=0.216	(e)	P=0.523
POLY 3	P=0.615	P=0.235	(e)	P=0.497
POLY 1.5	P=0.613	P=0.237	(e)	P=0.496
POLY 6	P=0.620	P=0.233	(e)	P=0.501
LOGISTIC REGRESSION	(e)	P=0.216	(e)	P=0.523
COCH-ARM / FISHERS	P=0.615	P=0.253	(e)	P=0.495
ORDER RESTRICTED	P=0.323	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.331	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Thymus Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/48 (0%)	0/46 (0%)	0/46 (0%)
POLY-3 RATE (b)	0/42.23	0/41.82	0/42.50	0/41.68
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/32 (0%)	0/29 (0%)	0/36 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thyroid Gland Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	1/46.36	0/45.68
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.755N	(e)	P=0.527	(e)
POLY 3	P=0.781N	(e)	P=0.506	(e)
POLY 1.5	P=0.783N	(e)	P=0.503	(e)
POLY 6	P=0.776N	(e)	P=0.510	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.527	(e)
COCH-ARM / FISHERS	P=0.786N	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.387	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.396	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thyroid Gland: Follicle
 Cyst

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/45.08	0/43.20	2/46.36	0/45.68
POLY-3 PERCENT (g)	2.2%	0%	4.3%	0%
TERMINAL (d)	1/34 (3%)	0/30 (0%)	2/39 (5%)	0/40 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.399N	P=0.525N	P=0.548	P=0.468N
POLY 3	P=0.441N	P=0.509N	P=0.510	P=0.497N
POLY 1.5	P=0.447N	P=0.506N	P=0.505	P=0.499N
POLY 6	P=0.430N	P=0.511N	P=0.518	P=0.493N
LOGISTIC REGRESSION	P=0.399N	(e)	P=0.548	(e)
COCH-ARM / FISHERS	P=0.455N	P=0.500N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.321N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.332N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thyroid Gland: Follicular Cell Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/45.08	3/43.20	2/46.36	1/45.68
POLY-3 PERCENT (g)	0%	7%	4.3%	2.2%
TERMINAL (d)	0/34 (0%)	3/30 (10%)	2/39 (5%)	1/40 (3%)
FIRST INCIDENCE	---	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.479N	P=0.099	P=0.269	P=0.532
POLY 3	P=0.559N	P=0.111	P=0.243	P=0.503
POLY 1.5	P=0.562N	P=0.114	P=0.240	P=0.501
POLY 6	P=0.550N	P=0.108	P=0.249	P=0.507
LOGISTIC REGRESSION	(e)	P=0.099	P=0.269	P=0.532
COCH-ARM / FISHERS	P=0.563N	P=0.121	P=0.247	P=0.500
ORDER RESTRICTED	P=0.184	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.195	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Tooth
 Dysplasia

LESION RATES

OVERALL (a)	0/31 (0%)	0/32 (0%)	2/37 (5%)	1/35 (3%)
POLY-3 RATE (b)	0/30.06	0/30.19	2/36.33	1/34.23
POLY-3 PERCENT (g)	0%	0%	5.5%	2.9%
TERMINAL (d)	0/26 (0%)	0/24 (0%)	2/33 (6%)	1/31 (3%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.403	(e)	P=0.292	P=0.535
POLY 3	P=0.386	(e)	P=0.280	P=0.526
POLY 1.5	P=0.382	(e)	P=0.278	P=0.525
POLY 6	P=0.392	(e)	P=0.282	P=0.527
LOGISTIC REGRESSION	(e)	(e)	P=0.292	P=0.535
COCH-ARM / FISHERS	P=0.376	(e)	P=0.292	P=0.530
ORDER RESTRICTED	P=0.206	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.221	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Tooth Malformation				
LESION RATES				
OVERALL (a)	29/31 (94%)	32/32 (100%)	36/37 (97%)	33/35 (94%)
POLY-3 RATE (b)	29/31.00	32/32.00	36/37.00	33/35.00
POLY-3 PERCENT (g)	93.6%	100%	97.3%	94.3%
TERMINAL (d)	24/26 (92%)	24/24 (100%)	32/33 (97%)	29/31 (94%)
FIRST INCIDENCE	617	525	627	658
STATISTICAL TESTS				
LIFE TABLE	P=0.181N	P=0.131	P=0.606N	P=0.497N
POLY 3	P=0.441N	P=0.229	P=0.438	P=0.650
POLY 1.5	P=0.441N	P=0.229	P=0.438	P=0.650
POLY 6	P=0.441N	P=0.229	P=0.438	P=0.650
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.440N	P=0.238	P=0.433	P=0.646
ORDER RESTRICTED	P=0.361	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.374	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Tooth: Peridental Tissue
 Inflammation

LESION RATES

OVERALL (a)	7/31 (23%)	2/32 (6%)	1/37 (3%)	9/35 (26%)
POLY-3 RATE (b)	7/30.06	2/30.19	1/36.33	9/34.23
POLY-3 PERCENT (g)	23.3%	6.6%	2.8%	26.3%
TERMINAL (d)	7/26 (27%)	2/24 (8%)	1/33 (3%)	9/31 (29%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	730 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.126	P=0.092N	P=0.012N*	P=0.547
POLY 3	P=0.091	P=0.070N	P=0.012N*	P=0.504
POLY 1.5	P=0.089	P=0.068N	P=0.012N*	P=0.501
POLY 6	P=0.095	P=0.074N	P=0.011N*	P=0.509
LOGISTIC REGRESSION	P=0.126	P=0.092N	P=0.012N*	P=0.547
COCH-ARM / FISHERS	P=0.092	P=0.067N	P=0.014N*	P=0.498
ORDER RESTRICTED	P=0.047*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.056	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Tooth: Pulp
Inflammation

LESION RATES

OVERALL (a)	2/31 (6%)	0/32 (0%)	0/37 (0%)	0/35 (0%)
POLY-3 RATE (b)	2/30.06	0/30.19	0/36.33	0/34.23
POLY-3 PERCENT (g)	6.7%	0%	0%	0%
TERMINAL (d)	2/26 (8%)	0/24 (0%)	0/33 (0%)	0/31 (0%)
FIRST INCIDENCE	730 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.210N	P=0.255N	P=0.187N	P=0.200N
POLY 3	P=0.217N	P=0.235N	P=0.195N	P=0.207N
POLY 1.5	P=0.219N	P=0.232N	P=0.196N	P=0.208N
POLY 6	P=0.215N	P=0.238N	P=0.193N	P=0.206N
LOGISTIC REGRESSION	P=0.210N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.224N	P=0.238N	P=0.204N	P=0.217N
ORDER RESTRICTED	P=0.021N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.027N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Urinary Bladder
Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	22/50 (44%)	19/50 (38%)	23/50 (46%)	27/50 (54%)
POLY-3 RATE (b)	22/46.55	19/44.53	23/47.82	27/47.64
POLY-3 PERCENT (g)	47.3%	42.7%	48.1%	56.7%
TERMINAL (d)	16/34 (47%)	14/30 (47%)	19/39 (49%)	23/40 (58%)
FIRST INCIDENCE	616	563	539	501

STATISTICAL TESTS

LIFE TABLE	P=0.360	P=0.513N	P=0.441N	P=0.452
POLY 3	P=0.125	P=0.408N	P=0.550	P=0.237
POLY 1.5	P=0.110	P=0.385N	P=0.527	P=0.223
POLY 6	P=0.150	P=0.438N	P=0.582	P=0.263
LOGISTIC REGRESSION	P=0.107	P=0.410N	P=0.532	P=0.215
COCH-ARM / FISHERS	P=0.093	P=0.342N	P=0.500	P=0.212
ORDER RESTRICTED	P=0.194	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.202	(e)	(e)	(e)

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

DOSE	Males			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Urinary Bladder: Transitional Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/45.08	0/43.20	2/46.73	0/45.68
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/34 (0%)	0/30 (0%)	1/39 (3%)	0/40 (0%)
FIRST INCIDENCE	---	---	627	---

STATISTICAL TESTS

LIFE TABLE	P=0.669N	(e)	P=0.265	(e)
POLY 3	P=0.687N	(e)	P=0.245	(e)
POLY 1.5	P=0.693N	(e)	P=0.241	(e)
POLY 6	P=0.677N	(e)	P=0.252	(e)
LOGISTIC REGRESSION	P=0.704N	(e)	P=0.230	(e)
COCH-ARM / FISHERS	P=0.697N	(e)	P=0.247	(e)
ORDER RESTRICTED	P=0.253	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.263	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/45.58	0/45.72	0/44.66	1/44.41
POLY-3 PERCENT (g)	4.4%	0%	0%	2.3%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	380	---	---	572

STATISTICAL TESTS

LIFE TABLE	P=0.649N	P=0.242N	P=0.240N	P=0.497N
POLY 3	P=0.653N	P=0.236N	P=0.242N	P=0.509N
POLY 1.5	P=0.651N	P=0.237N	P=0.240N	P=0.506N
POLY 6	P=0.655N	P=0.235N	P=0.244N	P=0.511N
LOGISTIC REGRESSION	P=0.693N	P=0.201N	P=0.422N	P=0.510N
COCH-ARM / FISHERS	P=0.650N	P=0.247N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.135N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.148N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex Hypertrophy

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.23	2/45.72	0/44.66	1/43.89
POLY-3 PERCENT (g)	4.5%	4.4%	0%	2.3%
TERMINAL (d)	1/33 (3%)	2/36 (6%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	715	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.378N	P=0.665N	P=0.250N	P=0.486N
POLY 3	P=0.387N	P=0.682N	P=0.235N	P=0.503N
POLY 1.5	P=0.385N	P=0.687N	P=0.235N	P=0.501N
POLY 6	P=0.388N	P=0.676N	P=0.235N	P=0.504N
LOGISTIC REGRESSION	P=0.389N	P=0.672N	P=0.236N	P=0.501N
COCH-ARM / FISHERS	P=0.382N	P=0.691N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.268N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.277N	(e)	(e)	(e)

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)

TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Adrenal Cortex Pigmentation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex: Subcapsular
 Hyperplasia

LESION RATES

OVERALL (a)	50/50 (100%)	49/50 (98%)	50/50 (100%)	49/50 (98%)
POLY-3 RATE (b)	50/50.00	49/49.13	50/50.00	49/49.72
POLY-3 PERCENT (g)	100%	99.7%	100%	98.6%
TERMINAL (d)	33/33 (100%)	36/36 (100%)	30/30 (100%)	35/35 (100%)
FIRST INCIDENCE	380	487	506	436

STATISTICAL TESTS

LIFE TABLE	P=0.469N	P=0.243N	(e)	P=0.378N
POLY 3	P=0.369N	P=1.000N	(e)	P=0.648N
POLY 1.5	P=0.372N	P=0.958N	(e)	P=0.569N
POLY 6	P=0.506N	P=1.000N	(e)	P=0.818N
LOGISTIC REGRESSION	P=0.425N	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.464N	P=0.500N	(e)	P=0.500N
ORDER RESTRICTED	P=0.125N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.133N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Cortex: Zona Fasciculata Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/44.38	2/45.72	1/44.66	1/43.89
POLY-3 PERCENT (g)	4.5%	4.4%	2.2%	2.3%
TERMINAL (d)	1/33 (3%)	2/36 (6%)	1/30 (3%)	1/35 (3%)
FIRST INCIDENCE	675	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.379N	P=0.666N	P=0.525N	P=0.492N
POLY 3	P=0.389N	P=0.683N	P=0.498N	P=0.504N
POLY 1.5	P=0.386N	P=0.688N	P=0.498N	P=0.502N
POLY 6	P=0.393N	P=0.678N	P=0.500N	P=0.506N
LOGISTIC REGRESSION	P=0.393N	P=0.679N	P=0.496N	P=0.502N
COCH-ARM / FISHERS	P=0.382N	P=0.691N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.448N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.454N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Adrenal Medulla
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/44.17	2/45.72	0/44.66	3/43.89
POLY-3 PERCENT (g)	2.3%	4.4%	0%	6.8%
TERMINAL (d)	1/33 (3%)	2/36 (6%)	0/30 (0%)	3/35 (9%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.234	P=0.530	P=0.519N	P=0.326
POLY 3	P=0.219	P=0.512	P=0.498N	P=0.303
POLY 1.5	P=0.221	P=0.507	P=0.498N	P=0.304
POLY 6	P=0.217	P=0.519	P=0.498N	P=0.302
LOGISTIC REGRESSION	P=0.234	P=0.530	(e)	P=0.326
COCH-ARM / FISHERS	P=0.223	P=0.500	P=0.500N	P=0.309
ORDER RESTRICTED	P=0.182	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.191	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Bone Marrow
Atrophy Focal

LESION RATES

OVERALL (a)	3/50 (6%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/44.52	0/45.72	1/44.66	2/43.89
POLY-3 PERCENT (g)	6.7%	0%	2.2%	4.6%
TERMINAL (d)	2/33 (6%)	0/36 (0%)	0/30 (0%)	2/35 (6%)
FIRST INCIDENCE	633	---	728	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.565	P=0.108N	P=0.323N	P=0.483N
POLY 3	P=0.549	P=0.114N	P=0.304N	P=0.506N
POLY 1.5	P=0.556	P=0.116N	P=0.304N	P=0.503N
POLY 6	P=0.542	P=0.111N	P=0.306N	P=0.510N
LOGISTIC REGRESSION	P=0.554	P=0.120N	P=0.302N	P=0.503N
COCH-ARM / FISHERS	P=0.563	P=0.121N	P=0.309N	P=0.500N
ORDER RESTRICTED	P=0.188N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.200N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Bone Marrow
Myelofibrosis

LESION RATES

OVERALL (a)	27/50 (54%)	29/50 (58%)	27/50 (54%)	27/50 (54%)
POLY-3 RATE (b)	27/47.06	29/48.09	27/45.70	27/46.42
POLY-3 PERCENT (g)	57.4%	60.3%	59.1%	58.2%
TERMINAL (d)	17/33 (52%)	21/36 (58%)	19/30 (63%)	20/35 (57%)
FIRST INCIDENCE	512	487	526	578

STATISTICAL TESTS

LIFE TABLE	P=0.462N	P=0.560N	P=0.448	P=0.509N
POLY 3	P=0.529N	P=0.467	P=0.518	P=0.553
POLY 1.5	P=0.506N	P=0.447	P=0.552	P=0.564
POLY 6	P=0.552N	P=0.493	P=0.456	P=0.545
LOGISTIC REGRESSION	P=0.508N	P=0.437	P=0.557N	P=0.574
COCH-ARM / FISHERS	P=0.473N	P=0.420	P=0.579N	P=0.579N
ORDER RESTRICTED	P=0.661	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.661	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Bone Marrow: Myeloid Cell
Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	2/45.58	0/45.72	0/44.66	4/45.53
POLY-3 PERCENT (g)	4.4%	0%	0%	8.8%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	380	---	---	572

STATISTICAL TESTS

LIFE TABLE	P=0.053	P=0.242N	P=0.240N	P=0.341
POLY 3	P=0.051	P=0.236N	P=0.242N	P=0.337
POLY 1.5	P=0.051	P=0.237N	P=0.240N	P=0.336
POLY 6	P=0.051	P=0.235N	P=0.244N	P=0.342
LOGISTIC REGRESSION	P=0.049*	P=0.201N	P=0.422N	P=0.332
COCH-ARM / FISHERS	P=0.053	P=0.247N	P=0.247N	P=0.339
ORDER RESTRICTED	P=0.034*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.039*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Clitoral Gland Inflammation				
LESION RATES				
OVERALL (a)	18/50 (36%)	5/49 (10%)	2/50 (4%)	7/50 (14%)
POLY-3 RATE (b)	18/46.46	5/44.91	2/44.72	7/44.79
POLY-3 PERCENT (g)	38.7%	11.1%	4.5%	15.6%
TERMINAL (d)	12/33 (36%)	4/36 (11%)	0/30 (0%)	5/35 (14%)
FIRST INCIDENCE	563	715	716	436
.....				
STATISTICAL TESTS				
LIFE TABLE	P=0.077N	P=0.002N**	P<0.001N**	P=0.011N*
POLY 3	P=0.061N	P=0.002N**	P<0.001N**	P=0.010N**
POLY 1.5	P=0.060N	P=0.002N**	P<0.001N**	P=0.009N**
POLY 6	P=0.064N	P=0.002N**	P<0.001N**	P=0.012N*
LOGISTIC REGRESSION	P=0.069N	P=0.002N**	P<0.001N**	P=0.010N**
COCH-ARM / FISHERS	P=0.068N	P=0.002N**	P<0.001N**	P=0.010N**
ORDER RESTRICTED	P<0.001N**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001N**	(e)	(e)	(e)
.....				

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Eye: Cornea
Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	1/45.86	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	695	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.585N	P=0.511	(e)	(e)
POLY 3	P=0.572N	P=0.507	(e)	(e)
POLY 1.5	P=0.574N	P=0.504	(e)	(e)
POLY 6	P=0.569N	P=0.512	(e)	(e)
LOGISTIC REGRESSION	P=0.576N	P=0.499	(e)	(e)
COCH-ARM / FISHERS	P=0.576N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.389N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.397N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Eye: Lens
 Degeneration

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.01	2/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	4.4%	4.4%	0%	0%
TERMINAL (d)	0/33 (0%)	2/36 (6%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	512	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.127N	P=0.674N	P=0.243N	P=0.250N
POLY 3	P=0.124N	P=0.688N	P=0.239N	P=0.243N
POLY 1.5	P=0.123N	P=0.691N	P=0.238N	P=0.240N
POLY 6	P=0.125N	P=0.686N	P=0.241N	P=0.245N
LOGISTIC REGRESSION	P=0.119N	P=0.677	P=0.292N	P=0.238N
COCH-ARM / FISHERS	P=0.122N	P=0.691N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.119N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.131N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Eye: Retina
Atrophy

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Gallbladder
Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	3/49 (6%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	0/44.17	3/44.72	5/44.90	2/43.89
POLY-3 PERCENT (g)	0%	6.7%	11.1%	4.6%
TERMINAL (d)	0/33 (0%)	3/35 (9%)	4/30 (13%)	2/35 (6%)
FIRST INCIDENCE	---	729 (T)	666	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.499	P=0.131	P=0.028*	P=0.251
POLY 3	P=0.477	P=0.121	P=0.032*	P=0.236
POLY 1.5	P=0.482	P=0.118	P=0.032*	P=0.236
POLY 6	P=0.472	P=0.124	P=0.032*	P=0.235
LOGISTIC REGRESSION	P=0.472	P=0.131	P=0.034*	P=0.251
COCH-ARM / FISHERS	P=0.488	P=0.117	P=0.028*	P=0.247
ORDER RESTRICTED	P=0.080	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.088	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Harderian Gland Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	31/50 (62%)	33/50 (66%)	36/50 (72%)	36/50 (72%)
POLY-3 RATE (b)	31/46.98	33/48.12	36/48.97	36/47.69
POLY-3 PERCENT (g)	66%	68.6%	73.5%	75.5%
TERMINAL (d)	23/33 (70%)	25/36 (69%)	21/30 (70%)	27/35 (77%)
FIRST INCIDENCE	380	372	506	494

STATISTICAL TESTS

LIFE TABLE	P=0.263	P=0.533N	P=0.160	P=0.316
POLY 3	P=0.185	P=0.479	P=0.276	P=0.207
POLY 1.5	P=0.186	P=0.451	P=0.240	P=0.200
POLY 6	P=0.189	P=0.518	P=0.331	P=0.224
LOGISTIC REGRESSION	P=0.184	P=0.445	P=0.200	P=0.192
COCH-ARM / FISHERS	P=0.193	P=0.418	P=0.198	P=0.198
ORDER RESTRICTED	P=0.237	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.248	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Harderian Gland: Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/44.17	1/45.72	4/45.34	3/44.92
POLY-3 PERCENT (g)	2.3%	2.2%	8.8%	6.7%
TERMINAL (d)	1/33 (3%)	1/36 (3%)	2/30 (7%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	589	502

STATISTICAL TESTS

LIFE TABLE	P=0.224	P=0.742N	P=0.167	P=0.312
POLY 3	P=0.222	P=0.753N	P=0.186	P=0.311
POLY 1.5	P=0.223	P=0.756N	P=0.184	P=0.309
POLY 6	P=0.223	P=0.749N	P=0.189	P=0.315
LOGISTIC REGRESSION	P=0.232	P=0.742N	P=0.177	P=0.304
COCH-ARM / FISHERS	P=0.222	P=0.753N	P=0.181	P=0.309
ORDER RESTRICTED	P=0.182	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.193	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Heart
Cardiomyopathy

LESION RATES

OVERALL (a)	10/50 (20%)	2/50 (4%)	9/50 (18%)	14/50 (28%)
POLY-3 RATE (b)	10/45.26	2/45.98	9/45.53	14/45.65
POLY-3 PERCENT (g)	22.1%	4.4%	19.8%	30.7%
TERMINAL (d)	7/33 (21%)	1/36 (3%)	4/30 (13%)	10/35 (29%)
FIRST INCIDENCE	563	660	589	494

STATISTICAL TESTS

LIFE TABLE	P=0.025*	P=0.013N*	P=0.554N	P=0.283
POLY 3	P=0.016*	P=0.012N*	P=0.494N	P=0.245
POLY 1.5	P=0.017*	P=0.013N*	P=0.495N	P=0.244
POLY 6	P=0.015*	P=0.011N*	P=0.496N	P=0.246
LOGISTIC REGRESSION	P=0.020*	P=0.016N*	P=0.496N	P=0.241
COCH-ARM / FISHERS	P=0.019*	P=0.014N*	P=0.500N	P=0.241
ORDER RESTRICTED	P=0.021*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.025*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Heart Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	2/44.34
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	---	596

STATISTICAL TESTS

LIFE TABLE	P=0.044*	(e)	(e)	P=0.246
POLY 3	P=0.040*	(e)	(e)	P=0.238
POLY 1.5	P=0.040*	(e)	(e)	P=0.238
POLY 6	P=0.040*	(e)	(e)	P=0.239
LOGISTIC REGRESSION	P=0.044*	(e)	(e)	P=0.238
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.031*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Intestine Small, Jejunum Inflammation

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/44.72	1/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	6.7%	2.2%	0%	0%
TERMINAL (d)	2/33 (6%)	1/36 (3%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	560	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.099N	P=0.284N	P=0.134N	P=0.117N
POLY 3	P=0.099N	P=0.297N	P=0.119N	P=0.122N
POLY 1.5	P=0.098N	P=0.301N	P=0.118N	P=0.121N
POLY 6	P=0.100N	P=0.293N	P=0.120N	P=0.123N
LOGISTIC REGRESSION	P=0.097N	P=0.312N	P=0.126N	P=0.120N
COCH-ARM / FISHERS	P=0.097N	P=0.309N	P=0.121N	P=0.121N
ORDER RESTRICTED	P=0.022N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.027N*	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Intestine Small, Jejunum: Peyer's Patch Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Islets, Pancreatic Hyperplasia

LESION RATES

OVERALL (a)	4/50 (8%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	4/45.13	0/45.72	0/44.66	1/43.89
POLY-3 PERCENT (g)	8.9%	0%	0%	2.3%
TERMINAL (d)	2/33 (6%)	0/36 (0%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	563	---	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.299N	P=0.058N	P=0.073N	P=0.174N
POLY 3	P=0.301N	P=0.059N	P=0.061N	P=0.187N
POLY 1.5	P=0.299N	P=0.059N	P=0.061N	P=0.183N
POLY 6	P=0.305N	P=0.058N	P=0.063N	P=0.191N
LOGISTIC REGRESSION	P=0.291N	P=0.069N	P=0.070N	P=0.178N
COCH-ARM / FISHERS	P=0.297N	P=0.059N	P=0.059N	P=0.181N
ORDER RESTRICTED	P=0.013N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.016N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney
Amyloid Deposition

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/44.98	0/45.72	1/45.28	0/43.89
POLY-3 PERCENT (g)	4.5%	0%	2.2%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	563	---	526	---

STATISTICAL TESTS

LIFE TABLE	P=0.279N	P=0.230N	P=0.495N	P=0.245N
POLY 3	P=0.279N	P=0.233N	P=0.498N	P=0.243N
POLY 1.5	P=0.276N	P=0.235N	P=0.498N	P=0.240N
POLY 6	P=0.283N	P=0.232N	P=0.500N	P=0.246N
LOGISTIC REGRESSION	P=0.273N	P=0.252N	P=0.618N	P=0.238N
COCH-ARM / FISHERS	P=0.271N	P=0.247N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.077N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.087N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney
Cyst

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	1/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	2.2%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	1/30 (3%)	0/35 (0%)
FIRST INCIDENCE	---	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.778N	(e)	P=0.481	(e)
POLY 3	P=0.789N	(e)	P=0.502	(e)
POLY 1.5	P=0.788N	(e)	P=0.502	(e)
POLY 6	P=0.791N	(e)	P=0.502	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.481	(e)
COCH-ARM / FISHERS	P=0.786N	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.384	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.392	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney Infarct

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	3/44.17	2/45.90	8/45.13	4/43.89
POLY-3 PERCENT (g)	6.8%	4.4%	17.7%	9.1%
TERMINAL (d)	3/33 (9%)	1/36 (3%)	7/30 (23%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	682	589	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.401	P=0.461N	P=0.075	P=0.533
POLY 3	P=0.364	P=0.482N	P=0.104	P=0.497
POLY 1.5	P=0.374	P=0.490N	P=0.103	P=0.498
POLY 6	P=0.352	P=0.472N	P=0.105	P=0.495
LOGISTIC REGRESSION	P=0.365	P=0.474N	P=0.102	P=0.533
COCH-ARM / FISHERS	P=0.387	P=0.500N	P=0.100	P=0.500
ORDER RESTRICTED	P=0.159	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.167	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney Inflammation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.37	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	512	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.247N	P=0.242N	P=0.240N	P=0.247N
POLY 3	P=0.243N	P=0.235N	P=0.241N	P=0.245N
POLY 1.5	P=0.242N	P=0.236N	P=0.239N	P=0.242N
POLY 6	P=0.244N	P=0.234N	P=0.244N	P=0.248N
LOGISTIC REGRESSION	P=0.258N	P=0.239N	P=0.348N	P=0.239N
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.033N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.040N*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney Mineralization

LESION RATES

OVERALL (a)	14/50 (28%)	8/50 (16%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	14/45.06	8/46.32	4/45.18	3/44.25
POLY-3 PERCENT (g)	31.1%	17.3%	8.9%	6.8%
TERMINAL (d)	12/33 (36%)	5/36 (14%)	2/30 (7%)	2/35 (6%)
FIRST INCIDENCE	560	660	644	627

STATISTICAL TESTS

LIFE TABLE	P=0.007N**	P=0.082N	P=0.015N*	P=0.003N**
POLY 3	P=0.005N**	P=0.095N	P=0.007N**	P=0.003N**
POLY 1.5	P=0.005N**	P=0.103N	P=0.007N**	P=0.003N**
POLY 6	P=0.006N**	P=0.085N	P=0.007N**	P=0.003N**
LOGISTIC REGRESSION	P=0.006N**	P=0.098N	P=0.009N**	P=0.004N**
COCH-ARM / FISHERS	P=0.006N**	P=0.114N	P=0.009N**	P=0.003N**
ORDER RESTRICTED	P<0.001N**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001N**	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney
Nephropathy

LESION RATES

OVERALL (a)	16/50 (32%)	15/50 (30%)	16/50 (32%)	18/50 (36%)
POLY-3 RATE (b)	16/46.67	15/46.15	16/46.26	18/45.57
POLY-3 PERCENT (g)	34.3%	32.5%	34.6%	39.5%
TERMINAL (d)	10/33 (30%)	12/36 (33%)	9/30 (30%)	14/35 (40%)
FIRST INCIDENCE	512	680	561	572

STATISTICAL TESTS

LIFE TABLE	P=0.345	P=0.408N	P=0.511	P=0.472
POLY 3	P=0.289	P=0.515N	P=0.575	P=0.380
POLY 1.5	P=0.302	P=0.509N	P=0.581	P=0.396
POLY 6	P=0.275	P=0.522N	P=0.564	P=0.364
LOGISTIC REGRESSION	P=0.310	P=0.491N	P=0.578	P=0.416
COCH-ARM / FISHERS	P=0.320	P=0.500N	P=0.585N	P=0.417
ORDER RESTRICTED	P=0.429	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.438	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Kidney: Renal Tubule
 Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.17	2/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	2.3%	4.4%	0%	0%
TERMINAL (d)	1/33 (3%)	2/36 (6%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.208N	P=0.530	P=0.519N	P=0.488N
POLY 3	P=0.209N	P=0.512	P=0.498N	P=0.501N
POLY 1.5	P=0.209N	P=0.507	P=0.498N	P=0.501N
POLY 6	P=0.209N	P=0.519	P=0.498N	P=0.502N
LOGISTIC REGRESSION	P=0.208N	P=0.530	(e)	(e)
COCH-ARM / FISHERS	P=0.209N	P=0.500	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.176N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.185N	(e)	(e)	(e)

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)

TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.22	3/45.93	0/44.66	0/43.89
POLY-3 PERCENT (g)	2.3%	6.5%	0%	0%
TERMINAL (d)	0/33 (0%)	2/36 (6%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	717	674	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.154N	P=0.335	P=0.506N	P=0.494N
POLY 3	P=0.147N	P=0.319	P=0.498N	P=0.501N
POLY 1.5	P=0.148N	P=0.313	P=0.498N	P=0.501N
POLY 6	P=0.147N	P=0.327	P=0.498N	P=0.502N
LOGISTIC REGRESSION	P=0.153N	P=0.317	P=0.498N	P=0.502N
COCH-ARM / FISHERS	P=0.150N	P=0.309	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.121N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.130N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
 Clear Cell Focus

LESION RATES

OVERALL (a)	14/50 (28%)	13/50 (26%)	3/50 (6%)	8/50 (16%)
POLY-3 RATE (b)	14/44.17	13/45.85	3/44.86	8/43.89
POLY-3 PERCENT (g)	31.7%	28.4%	6.7%	18.2%
TERMINAL (d)	14/33 (42%)	12/36 (33%)	2/30 (7%)	8/35 (23%)
FIRST INCIDENCE	729 (T)	697	675	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.070N	P=0.392N	P=0.005N**	P=0.073N
POLY 3	P=0.083N	P=0.454N	P=0.002N**	P=0.110N
POLY 1.5	P=0.082N	P=0.474N	P=0.002N**	P=0.111N
POLY 6	P=0.085N	P=0.427N	P=0.002N**	P=0.107N
LOGISTIC REGRESSION	P=0.084N	P=0.413N	P=0.003N**	P=0.073N
COCH-ARM / FISHERS	P=0.084N	P=0.500N	P=0.003N**	P=0.114N
ORDER RESTRICTED	P=0.016N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.020N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
Eosinophilic Focus

LESION RATES

OVERALL (a)	6/50 (12%)	3/50 (6%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	6/44.53	3/46.56	4/44.66	4/44.28
POLY-3 PERCENT (g)	13.5%	6.4%	9%	9%
TERMINAL (d)	5/33 (15%)	1/36 (3%)	3/30 (10%)	3/35 (9%)
FIRST INCIDENCE	628	487	728	618

STATISTICAL TESTS

LIFE TABLE	P=0.460N	P=0.214N	P=0.419N	P=0.344N
POLY 3	P=0.488N	P=0.220N	P=0.367N	P=0.373N
POLY 1.5	P=0.480N	P=0.230N	P=0.367N	P=0.371N
POLY 6	P=0.498N	P=0.210N	P=0.371N	P=0.373N
LOGISTIC REGRESSION	P=0.471N	P=0.251N	P=0.363N	P=0.373N
COCH-ARM / FISHERS	P=0.468N	P=0.243N	P=0.370N	P=0.370N
ORDER RESTRICTED	P=0.312N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.321N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
 Fatty Change Diffuse

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	1/44.17	0/45.72	4/45.75	4/45.60
POLY-3 PERCENT (g)	2.3%	0%	8.7%	8.8%
TERMINAL (d)	1/33 (3%)	0/36 (0%)	1/30 (3%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	---	561	494

STATISTICAL TESTS

LIFE TABLE	P=0.065	P=0.483N	P=0.179	P=0.196
POLY 3	P=0.061	P=0.493N	P=0.189	P=0.188
POLY 1.5	P=0.060	P=0.496N	P=0.186	P=0.185
POLY 6	P=0.062	P=0.489N	P=0.193	P=0.193
LOGISTIC REGRESSION	P=0.065	(e)	P=0.160	P=0.172
COCH-ARM / FISHERS	P=0.060	P=0.500N	P=0.181	P=0.181
ORDER RESTRICTED	P=0.069	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.080	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Liver				
Fatty Change Focal				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.59	0/45.72	1/44.72	0/43.89
POLY-3 PERCENT (g)	2.2%	0%	2.2%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	608	---	715	---
STATISTICAL TESTS				
LIFE TABLE	P=0.472N	P=0.487N	P=0.758	P=0.504N
POLY 3	P=0.472N	P=0.495N	P=0.760N	P=0.503N
POLY 1.5	P=0.468N	P=0.497N	P=0.760N	P=0.502N
POLY 6	P=0.476N	P=0.493N	P=0.760	P=0.505N
LOGISTIC REGRESSION	P=0.458N	P=0.517N	P=0.750	P=0.506N
COCH-ARM / FISHERS	P=0.464N	P=0.500N	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.253N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.264N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	6/50 (12%)	3/50 (6%)	3/50 (6%)	5/50 (10%)
POLY-3 RATE (b)	6/46.11	3/45.72	3/45.60	5/45.61
POLY-3 PERCENT (g)	13%	6.6%	6.6%	11%
TERMINAL (d)	2/33 (6%)	3/36 (8%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	380	729 (T)	589	572

STATISTICAL TESTS

LIFE TABLE	P=0.525	P=0.222N	P=0.257N	P=0.492N
POLY 3	P=0.529	P=0.246N	P=0.247N	P=0.508N
POLY 1.5	P=0.529	P=0.246N	P=0.246N	P=0.506N
POLY 6	P=0.532	P=0.246N	P=0.249N	P=0.505N
LOGISTIC REGRESSION	P=0.568	P=0.272N	P=0.293N	P=0.484N
COCH-ARM / FISHERS	P=0.532	P=0.243N	P=0.243N	P=0.500N
ORDER RESTRICTED	P=0.327N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.338N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
Inflammation

LESION RATES

OVERALL (a)	35/50 (70%)	42/50 (84%)	37/50 (74%)	41/50 (82%)
POLY-3 RATE (b)	35/46.93	42/49.10	37/48.23	41/48.35
POLY-3 PERCENT (g)	74.6%	85.5%	76.7%	84.8%
TERMINAL (d)	24/33 (73%)	31/36 (86%)	26/30 (87%)	31/35 (89%)
FIRST INCIDENCE	563	372	506	436

STATISTICAL TESTS

LIFE TABLE	P=0.317	P=0.302	P=0.283	P=0.261
POLY 3	P=0.253	P=0.129	P=0.498	P=0.152
POLY 1.5	P=0.250	P=0.107	P=0.472	P=0.141
POLY 6	P=0.246	P=0.147	P=0.502	P=0.155
LOGISTIC REGRESSION	P=0.213	P=0.092	P=0.441	P=0.110
COCH-ARM / FISHERS	P=0.236	P=0.077	P=0.412	P=0.121
ORDER RESTRICTED	P=0.149	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.162	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
Mixed Cell Focus

LESION RATES

OVERALL (a)	13/50 (26%)	10/50 (20%)	5/50 (10%)	7/50 (14%)
POLY-3 RATE (b)	13/44.17	10/45.72	5/45.13	7/43.89
POLY-3 PERCENT (g)	29.4%	21.9%	11.1%	16%
TERMINAL (d)	13/33 (39%)	10/36 (28%)	4/30 (13%)	7/35 (20%)
FIRST INCIDENCE	729 (T)	729 (T)	589	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.094N	P=0.223N	P=0.046N*	P=0.070N
POLY 3	P=0.118N	P=0.280N	P=0.026N*	P=0.102N
POLY 1.5	P=0.115N	P=0.297N	P=0.028N*	P=0.103N
POLY 6	P=0.121N	P=0.260N	P=0.024N*	P=0.100N
LOGISTIC REGRESSION	P=0.120N	P=0.223N	P=0.030N*	P=0.070N
COCH-ARM / FISHERS	P=0.112N	P=0.318N	P=0.033N*	P=0.105N
ORDER RESTRICTED	P=0.042N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.047N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver
Necrosis

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	8/50 (16%)	4/50 (8%)
POLY-3 RATE (b)	3/44.87	2/46.05	8/45.74	4/44.89
POLY-3 PERCENT (g)	6.7%	4.3%	17.5%	8.9%
TERMINAL (d)	1/33 (3%)	1/36 (3%)	5/30 (17%)	2/35 (6%)
FIRST INCIDENCE	512	640	506	436

STATISTICAL TESTS

LIFE TABLE	P=0.390	P=0.471N	P=0.095	P=0.512
POLY 3	P=0.375	P=0.488N	P=0.104	P=0.500
POLY 1.5	P=0.381	P=0.494N	P=0.103	P=0.501
POLY 6	P=0.368	P=0.481N	P=0.104	P=0.500
LOGISTIC REGRESSION	P=0.405	P=0.523N	P=0.091	P=0.503
COCH-ARM / FISHERS	P=0.387	P=0.500N	P=0.100	P=0.500
ORDER RESTRICTED	P=0.161	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.168	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Liver Pigmentation

LESION RATES

OVERALL (a)	4/50 (8%)	4/50 (8%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	4/44.83	4/45.97	1/44.71	1/43.89
POLY-3 PERCENT (g)	8.9%	8.7%	2.2%	2.3%
TERMINAL (d)	3/33 (9%)	2/36 (6%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	512	680	716	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.108N	P=0.604N	P=0.201N	P=0.170N
POLY 3	P=0.108N	P=0.629N	P=0.179N	P=0.185N
POLY 1.5	P=0.106N	P=0.636N	P=0.179N	P=0.182N
POLY 6	P=0.110N	P=0.620N	P=0.180N	P=0.187N
LOGISTIC REGRESSION	P=0.104N	P=0.640	P=0.184N	P=0.179N
COCH-ARM / FISHERS	P=0.103N	P=0.643N	P=0.181N	P=0.181N
ORDER RESTRICTED	P=0.132N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.144N	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Liver				
Tension Lipidosis				
LESION RATES				
OVERALL (a)	5/50 (10%)	2/50 (4%)	4/50 (8%)	6/50 (12%)
POLY-3 RATE (b)	5/45.52	2/46.04	4/44.66	6/44.41
POLY-3 PERCENT (g)	11%	4.3%	9%	13.5%
TERMINAL (d)	2/33 (6%)	0/36 (0%)	4/30 (13%)	5/35 (14%)
FIRST INCIDENCE	380	680	729 (T)	572
STATISTICAL TESTS				
LIFE TABLE	P=0.243	P=0.204N	P=0.537N	P=0.524
POLY 3	P=0.218	P=0.211N	P=0.512N	P=0.483
POLY 1.5	P=0.226	P=0.215N	P=0.506N	P=0.489
POLY 6	P=0.210	P=0.206N	P=0.521N	P=0.477
LOGISTIC REGRESSION	P=0.242	P=0.241N	P=0.519N	P=0.503
COCH-ARM / FISHERS	P=0.235	P=0.218N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.271	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.283	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.17	2/46.72	0/44.66	2/45.13
POLY-3 PERCENT (g)	0%	4.3%	0%	4.4%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	372	---	436
STATISTICAL TESTS				
LIFE TABLE	P=0.285	P=0.246	(e)	P=0.242
POLY 3	P=0.293	P=0.250	(e)	P=0.242
POLY 1.5	P=0.291	P=0.245	(e)	P=0.240
POLY 6	P=0.296	P=0.256	(e)	P=0.244
LOGISTIC REGRESSION	P=0.264	P=0.196	(e)	P=0.188
COCH-ARM / FISHERS	P=0.287	P=0.247	(e)	P=0.247
ORDER RESTRICTED	P=0.118	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.130	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Lung Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/44.52	1/45.72	0/44.66	3/45.13
POLY-3 PERCENT (g)	2.3%	2.2%	0%	6.7%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	633	729 (T)	---	436
STATISTICAL TESTS				
LIFE TABLE	P=0.130	P=0.740N	P=0.491N	P=0.311
POLY 3	P=0.128	P=0.755N	P=0.499N	P=0.310
POLY 1.5	P=0.129	P=0.757N	P=0.499N	P=0.309
POLY 6	P=0.128	P=0.752N	P=0.501N	P=0.311
LOGISTIC REGRESSION	P=0.135	P=0.757	P=0.532N	P=0.293
COCH-ARM / FISHERS	P=0.129	P=0.753N	P=0.500N	P=0.309
ORDER RESTRICTED	P=0.103	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.113	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lung: Alveolar Epithelium
 Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/44.17	1/46.13	0/44.66	2/44.68
POLY-3 PERCENT (g)	2.3%	2.2%	0%	4.5%
TERMINAL (d)	1/33 (3%)	0/36 (0%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	613	---	436

STATISTICAL TESTS

LIFE TABLE	P=0.338	P=0.741N	P=0.519N	P=0.516
POLY 3	P=0.331	P=0.751N	P=0.498N	P=0.504
POLY 1.5	P=0.333	P=0.755N	P=0.498N	P=0.503
POLY 6	P=0.329	P=0.746N	P=0.498N	P=0.505
LOGISTIC REGRESSION	P=0.342	P=0.754	(e)	P=0.499
COCH-ARM / FISHERS	P=0.333	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.272	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.281	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lung: Alveolus
Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	2/44.94	1/45.72	2/44.66	1/43.89
POLY-3 PERCENT (g)	4.5%	2.2%	4.5%	2.3%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	2/30 (7%)	1/35 (3%)
FIRST INCIDENCE	608	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.481N	P=0.472N	P=0.677	P=0.501N
POLY 3	P=0.492N	P=0.494N	P=0.692	P=0.508N
POLY 1.5	P=0.486N	P=0.496N	P=0.693	P=0.504N
POLY 6	P=0.499N	P=0.492N	P=0.687	P=0.513N
LOGISTIC REGRESSION	P=0.477N	P=0.520N	P=0.684	P=0.499N
COCH-ARM / FISHERS	P=0.479N	P=0.500N	P=0.691N	P=0.500N
ORDER RESTRICTED	P=0.456N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.465N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mandibular Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.03	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	380	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.473N	P=0.504N	P=0.500N	P=0.500N
POLY 3	P=0.476N	P=0.497N	P=0.502N	P=0.505N
POLY 1.5	P=0.475N	P=0.499N	P=0.501N	P=0.503N
POLY 6	P=0.477N	P=0.494N	P=0.503N	P=0.506N
LOGISTIC REGRESSION	P=0.948N	P=0.458N	(e)	(e)
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.123N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.136N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mandibular
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	5/50 (10%)
POLY-3 RATE (b)	1/44.17	4/45.85	0/44.66	5/44.56
POLY-3 PERCENT (g)	2.3%	8.7%	0%	11.2%
TERMINAL (d)	1/33 (3%)	3/36 (8%)	0/30 (0%)	3/35 (9%)
FIRST INCIDENCE	729 (T)	697	---	618

STATISTICAL TESTS

LIFE TABLE	P=0.114	P=0.204	P=0.519N	P=0.115
POLY 3	P=0.106	P=0.190	P=0.498N	P=0.103
POLY 1.5	P=0.106	P=0.185	P=0.498N	P=0.102
POLY 6	P=0.107	P=0.196	P=0.498N	P=0.104
LOGISTIC REGRESSION	P=0.103	P=0.198	(e)	P=0.103
COCH-ARM / FISHERS	P=0.108	P=0.181	P=0.500N	P=0.102
ORDER RESTRICTED	P=0.046*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.053	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mesenteric
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/44.30	1/45.72	1/44.66	3/43.89
POLY-3 PERCENT (g)	2.3%	2.2%	2.2%	6.8%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	1/30 (3%)	3/35 (9%)
FIRST INCIDENCE	697	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.164	P=0.748N	P=0.750	P=0.320
POLY 3	P=0.151	P=0.754N	P=0.759N	P=0.302
POLY 1.5	P=0.154	P=0.756N	P=0.759N	P=0.304
POLY 6	P=0.148	P=0.750N	P=0.760N	P=0.299
LOGISTIC REGRESSION	P=0.146	P=0.755N	P=0.760N	P=0.302
COCH-ARM / FISHERS	P=0.156	P=0.753N	P=0.753N	P=0.309
ORDER RESTRICTED	P=0.182	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.191	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node, Mesenteric
 Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	0/44.17	3/45.72	3/44.71	2/43.89
POLY-3 PERCENT (g)	0%	6.6%	6.7%	4.6%
TERMINAL (d)	0/33 (0%)	3/36 (8%)	2/30 (7%)	2/35 (6%)
FIRST INCIDENCE	---	729 (T)	716	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.475	P=0.136	P=0.112	P=0.251
POLY 3	P=0.456	P=0.125	P=0.121	P=0.236
POLY 1.5	P=0.459	P=0.122	P=0.120	P=0.236
POLY 6	P=0.452	P=0.128	P=0.120	P=0.235
LOGISTIC REGRESSION	P=0.456	P=0.136	P=0.120	P=0.251
COCH-ARM / FISHERS	P=0.463	P=0.121	P=0.121	P=0.247
ORDER RESTRICTED	P=0.138	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.147	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node: Lumbar
 Ectasia

LESION RATES

OVERALL (a)	0/8 (0%)	2/6 (33%)	2/6 (33%)	0/4 (0%)
POLY-3 RATE (b)	0/7.24	2/4.45	2/5.81	0/3.04
POLY-3 PERCENT (g)	0%	45%	34.4%	0%
TERMINAL (d)	0/5 (0%)	2/3 (67%)	2/4 (50%)	0/0 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.518	P=0.118	P=0.176	(e)
POLY 3	P=0.641N	P=0.103	P=0.161	(e)
POLY 1.5	P=0.600N	P=0.119	P=0.156	(e)
POLY 6	P=0.632	P=0.086	P=0.164	(e)
LOGISTIC REGRESSION	(e)	P=0.118	P=0.176	(e)
COCH-ARM / FISHERS	P=0.562N	P=0.165	P=0.165	(e)
ORDER RESTRICTED	P=0.260	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.292	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Lymph Node: Renal
Ectasia

LESION RATES

OVERALL (a)	2/8 (25%)	0/6 (0%)	1/6 (17%)	0/4 (0%)
POLY-3 RATE (b)	2/7.24	0/4.45	1/5.81	0/3.04
POLY-3 PERCENT (g)	27.6%	0%	17.2%	0%
TERMINAL (d)	2/5 (40%)	0/3 (0%)	1/4 (25%)	0/0 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.872N	P=0.347N	P=0.588N	(e)
POLY 3	P=0.382N	P=0.344N	P=0.581N	P=0.442N
POLY 1.5	P=0.382N	P=0.324N	P=0.590N	P=0.417N
POLY 6	P=0.386N	P=0.368N	P=0.575N	P=0.496N
LOGISTIC REGRESSION	P=0.872N	(e)	P=0.588N	(e)
COCH-ARM / FISHERS	P=0.390N	P=0.308N	P=0.615N	P=0.424N
ORDER RESTRICTED	P=0.272N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.309N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Mesentery: Fat
 Necrosis

LESION RATES

OVERALL (a)	9/10 (90%)	9/9 (100%)	6/6 (100%)	9/10 (90%)
POLY-3 RATE (b)	9/10.00	9/9.00	6/6.00	9/9.72
POLY-3 PERCENT (g)	90%	100%	100%	92.6%
TERMINAL (d)	7/8 (88%)	8/8 (100%)	4/4 (100%)	8/8 (100%)
FIRST INCIDENCE	633	613	589	701

STATISTICAL TESTS

LIFE TABLE	P=0.622	P=0.673N	P=0.556	P=0.688
POLY 3	P=0.676N	P=0.521	P=0.600	P=0.725
POLY 1.5	P=0.615N	P=0.521	P=0.600	P=0.743
POLY 6	P=0.735	P=0.521	P=0.600	P=0.687
LOGISTIC REGRESSION	P=0.530N	(e)	(e)	P=0.755N
COCH-ARM / FISHERS	P=0.549N	P=0.526	P=0.625	P=0.763N
ORDER RESTRICTED	P=0.340	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.379	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Nose Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Nose: Respiratory Epithelium Inflammation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	2/33 (6%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.241N	P=0.219N	P=0.259N	P=0.225N
POLY 3	P=0.247N	P=0.229N	P=0.235N	P=0.238N
POLY 1.5	P=0.245N	P=0.233N	P=0.235N	P=0.238N
POLY 6	P=0.251N	P=0.225N	P=0.235N	P=0.239N
LOGISTIC REGRESSION	P=0.241N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.031N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.036N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Ovary Angiectasis				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/44.17	1/46.05	3/44.66	1/43.89
POLY-3 PERCENT (g)	0%	2.2%	6.7%	2.3%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	2/30 (7%)	1/35 (3%)
FIRST INCIDENCE	---	640	728	729 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.514	P=0.523	P=0.110	P=0.512
POLY 3	P=0.500	P=0.508	P=0.120	P=0.499
POLY 1.5	P=0.505	P=0.505	P=0.120	P=0.499
POLY 6	P=0.494	P=0.513	P=0.120	P=0.498
LOGISTIC REGRESSION	P=0.504	P=0.486	P=0.115	P=0.512
COCH-ARM / FISHERS	P=0.512	P=0.500	P=0.121	P=0.500
ORDER RESTRICTED	P=0.156	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.164	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Ovary Cyst				
LESION RATES				
OVERALL (a)	7/50 (14%)	10/50 (20%)	19/50 (38%)	13/50 (26%)
POLY-3 RATE (b)	7/44.72	10/45.90	19/46.25	13/45.84
POLY-3 PERCENT (g)	15.7%	21.8%	41.1%	28.4%
TERMINAL (d)	6/33 (18%)	9/36 (25%)	12/30 (40%)	8/35 (23%)
FIRST INCIDENCE	560	682	561	436
STATISTICAL TESTS				
LIFE TABLE	P=0.169	P=0.363	P=0.005**	P=0.132
POLY 3	P=0.156	P=0.316	P=0.005**	P=0.112
POLY 1.5	P=0.153	P=0.308	P=0.005**	P=0.109
POLY 6	P=0.164	P=0.328	P=0.006**	P=0.119
LOGISTIC REGRESSION	P=0.143	P=0.334	P=0.006**	P=0.106
COCH-ARM / FISHERS	P=0.151	P=0.298	P=0.006**	P=0.105
ORDER RESTRICTED	P=0.026*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.032*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Ovary Thrombosis

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/44.30	1/45.72	2/44.66	0/43.89
POLY-3 PERCENT (g)	2.3%	2.2%	4.5%	0%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	1/30 (3%)	0/35 (0%)
FIRST INCIDENCE	697	729 (T)	728	---

STATISTICAL TESTS

LIFE TABLE	P=0.333N	P=0.748N	P=0.485	P=0.505N
POLY 3	P=0.341N	P=0.754N	P=0.503	P=0.502N
POLY 1.5	P=0.338N	P=0.756N	P=0.503	P=0.501N
POLY 6	P=0.345N	P=0.750N	P=0.502	P=0.503N
LOGISTIC REGRESSION	P=0.341N	P=0.755N	P=0.503	P=0.500N
COCH-ARM / FISHERS	P=0.333N	P=0.753N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.278N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.287N	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Pancreas Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.72	2/45.91	0/44.66	0/43.89
POLY-3 PERCENT (g)	2.2%	4.4%	0%	0%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	560	680	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.218N	P=0.519	P=0.500N	P=0.504N
POLY 3	P=0.211N	P=0.509	P=0.500N	P=0.504N
POLY 1.5	P=0.210N	P=0.505	P=0.500N	P=0.502N
POLY 6	P=0.211N	P=0.515	P=0.502N	P=0.506N
LOGISTIC REGRESSION	P=0.206N	P=0.479	P=0.604N	P=0.518N
COCH-ARM / FISHERS	P=0.209N	P=0.500	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.177N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.188N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pancreas Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	17/50 (34%)	15/50 (30%)	17/50 (34%)	24/50 (48%)
POLY-3 RATE (b)	17/45.03	15/46.10	17/45.73	24/45.49
POLY-3 PERCENT (g)	37.8%	32.5%	37.2%	52.8%
TERMINAL (d)	13/33 (39%)	13/36 (36%)	12/30 (40%)	19/35 (54%)
FIRST INCIDENCE	608	640	634	572

STATISTICAL TESTS

LIFE TABLE	P=0.049*	P=0.314N	P=0.483	P=0.157
POLY 3	P=0.032*	P=0.381N	P=0.564N	P=0.106
POLY 1.5	P=0.035*	P=0.395N	P=0.570N	P=0.107
POLY 6	P=0.031*	P=0.366N	P=0.559N	P=0.107
LOGISTIC REGRESSION	P=0.026*	P=0.339N	P=0.570N	P=0.098
COCH-ARM / FISHERS	P=0.039*	P=0.415N	P=0.583N	P=0.111
ORDER RESTRICTED	P=0.060	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.052	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pancreas Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	3/45.93	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	6.5%	0%	0%
TERMINAL (d)	0/33 (0%)	2/36 (6%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	674	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.258N	P=0.138	(e)	(e)
POLY 3	P=0.247N	P=0.126	(e)	(e)
POLY 1.5	P=0.249N	P=0.123	(e)	(e)
POLY 6	P=0.244N	P=0.130	(e)	(e)
LOGISTIC REGRESSION	P=0.258N	P=0.125	(e)	(e)
COCH-ARM / FISHERS	P=0.255N	P=0.121	(e)	(e)
ORDER RESTRICTED	P=0.172N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.180N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pancreas: Acinus
 Atrophy

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.17	3/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	2.3%	6.6%	0%	0%
TERMINAL (d)	1/33 (3%)	3/36 (8%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.149N	P=0.336	P=0.519N	P=0.488N
POLY 3	P=0.148N	P=0.318	P=0.498N	P=0.501N
POLY 1.5	P=0.148N	P=0.312	P=0.498N	P=0.501N
POLY 6	P=0.147N	P=0.324	P=0.498N	P=0.502N
LOGISTIC REGRESSION	P=0.149N	P=0.336	(e)	(e)
COCH-ARM / FISHERS	P=0.150N	P=0.309	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.120N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.129N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Pituitary Gland Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/44.17	2/45.72	1/44.66	1/43.89
POLY-3 PERCENT (g)	2.3%	4.4%	2.2%	2.3%
TERMINAL (d)	1/33 (3%)	2/36 (6%)	1/30 (3%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
.....				
STATISTICAL TESTS				
LIFE TABLE	P=0.524N	P=0.530	P=0.741	P=0.749N
POLY 3	P=0.539N	P=0.512	P=0.758N	P=0.759
POLY 1.5	P=0.537N	P=0.507	P=0.759N	P=0.760
POLY 6	P=0.541N	P=0.519	P=0.759N	P=0.759
LOGISTIC REGRESSION	P=0.524N	P=0.530	P=0.741	P=0.749N
COCH-ARM / FISHERS	P=0.535N	P=0.500	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.596N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.598N	(e)	(e)	(e)
.....				

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Pituitary Gland Cyst				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/44.17	1/45.72	0/44.66	2/44.34
POLY-3 PERCENT (g)	2.3%	2.2%	0%	4.5%
TERMINAL (d)	1/33 (3%)	1/36 (3%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	596
STATISTICAL TESTS				
LIFE TABLE	P=0.340	P=0.742N	P=0.519N	P=0.514
POLY 3	P=0.330	P=0.753N	P=0.498N	P=0.501
POLY 1.5	P=0.332	P=0.756N	P=0.498N	P=0.501
POLY 6	P=0.329	P=0.749N	P=0.498N	P=0.503
LOGISTIC REGRESSION	P=0.333	P=0.742N	(e)	P=0.501
COCH-ARM / FISHERS	P=0.333	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.269	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.278	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

OVERALL (a)	9/50 (18%)	13/50 (26%)	16/50 (32%)	12/50 (24%)
POLY-3 RATE (b)	9/44.35	13/47.33	16/46.62	12/44.73
POLY-3 PERCENT (g)	20.3%	27.5%	34.3%	26.8%
TERMINAL (d)	7/33 (21%)	9/36 (25%)	9/30 (30%)	9/35 (26%)
FIRST INCIDENCE	697	372	506	627

STATISTICAL TESTS

LIFE TABLE	P=0.443	P=0.309	P=0.071	P=0.354
POLY 3	P=0.411	P=0.288	P=0.101	P=0.316
POLY 1.5	P=0.420	P=0.266	P=0.093	P=0.314
POLY 6	P=0.403	P=0.315	P=0.111	P=0.322
LOGISTIC REGRESSION	P=0.428	P=0.241	P=0.086	P=0.301
COCH-ARM / FISHERS	P=0.436	P=0.235	P=0.083	P=0.312
ORDER RESTRICTED	P=0.217	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.226	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Salivary Glands
 Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	31/50 (62%)	32/50 (64%)	33/50 (66%)	36/50 (72%)
POLY-3 RATE (b)	31/46.12	32/47.10	33/47.93	36/47.83
POLY-3 PERCENT (g)	67.2%	67.9%	68.9%	75.3%
TERMINAL (d)	23/33 (70%)	26/36 (72%)	21/30 (70%)	27/35 (77%)
FIRST INCIDENCE	563	613	506	436

STATISTICAL TESTS

LIFE TABLE	P=0.224	P=0.460N	P=0.302	P=0.317
POLY 3	P=0.201	P=0.560	P=0.521	P=0.256
POLY 1.5	P=0.186	P=0.533	P=0.482	P=0.231
POLY 6	P=0.220	P=0.591	P=0.557	P=0.290
LOGISTIC REGRESSION	P=0.133	P=0.555N	P=0.444	P=0.184
COCH-ARM / FISHERS	P=0.163	P=0.500	P=0.418	P=0.198
ORDER RESTRICTED	P=0.305	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.320	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Skin Inflammation				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Skin Ulcer				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
.....				
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
.....				

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Skin: Site of Application - Dermis
 Inflammation Chronic

LESION RATES

OVERALL (a)	0/50 (0%)	9/50 (18%)	30/50 (60%)	28/50 (56%)
POLY-3 RATE (b)	0/44.17	9/45.72	30/46.55	28/48.56
POLY-3 PERCENT (g)	0%	19.7%	64.4%	57.7%
TERMINAL (d)	0/33 (0%)	9/36 (25%)	21/30 (70%)	17/35 (49%)
FIRST INCIDENCE	---	729 (T)	506	436

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.002**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.002**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.003**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Skin: Site of Application - Epidermis
 Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	12/50 (24%)	37/50 (74%)	49/50 (98%)
POLY-3 RATE (b)	0/44.17	12/45.72	37/47.93	49/50.00
POLY-3 PERCENT (g)	0%	26.3%	77.2%	98%
TERMINAL (d)	0/33 (0%)	12/36 (33%)	24/30 (80%)	34/35 (97%)
FIRST INCIDENCE	---	729 (T)	506	436

STATISTICAL TESTS

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

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Skin: Site of Application - Epidermis
 Ulcer

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/44.17	1/45.72	2/44.91	3/44.76
POLY-3 PERCENT (g)	0%	2.2%	4.5%	6.7%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	1/30 (3%)	0/35 (0%)
FIRST INCIDENCE	---	729 (T)	663	618

STATISTICAL TESTS

LIFE TABLE	P=0.087	P=0.517	P=0.235	P=0.124
POLY 3	P=0.086	P=0.507	P=0.241	P=0.121
POLY 1.5	P=0.086	P=0.504	P=0.240	P=0.120
POLY 6	P=0.087	P=0.511	P=0.241	P=0.123
LOGISTIC REGRESSION	P=0.090	P=0.517	P=0.238	P=0.119
COCH-ARM / FISHERS	P=0.086	P=0.500	P=0.247	P=0.121
ORDER RESTRICTED	P=0.058	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.066	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen
Hematopoietic Cell Proliferation

LESION RATES

OVERALL (a)	16/50 (32%)	19/50 (38%)	18/50 (36%)	22/50 (44%)
POLY-3 RATE (b)	16/46.99	19/47.11	18/47.52	22/47.25
POLY-3 PERCENT (g)	34.1%	40.3%	37.9%	46.6%
TERMINAL (d)	10/33 (30%)	15/36 (42%)	8/30 (27%)	14/35 (40%)
FIRST INCIDENCE	380	372	561	436

STATISTICAL TESTS

LIFE TABLE	P=0.189	P=0.445	P=0.377	P=0.211
POLY 3	P=0.155	P=0.338	P=0.431	P=0.150
POLY 1.5	P=0.154	P=0.338	P=0.423	P=0.149
POLY 6	P=0.163	P=0.336	P=0.447	P=0.157
LOGISTIC REGRESSION	P=0.170	P=0.311	P=0.388	P=0.153
COCH-ARM / FISHERS	P=0.157	P=0.338	P=0.417	P=0.151
ORDER RESTRICTED	P=0.165	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.173	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	13/50 (26%)	19/50 (38%)	19/50 (38%)	16/50 (32%)
POLY-3 RATE (b)	13/44.78	19/45.85	19/46.11	16/44.30
POLY-3 PERCENT (g)	29%	41.4%	41.2%	36.1%
TERMINAL (d)	10/33 (30%)	18/36 (50%)	12/30 (40%)	14/35 (40%)
FIRST INCIDENCE	624	697	506	675

STATISTICAL TESTS

LIFE TABLE	P=0.539	P=0.208	P=0.111	P=0.382
POLY 3	P=0.482	P=0.152	P=0.157	P=0.312
POLY 1.5	P=0.497	P=0.147	P=0.152	P=0.320
POLY 6	P=0.466	P=0.156	P=0.161	P=0.303
LOGISTIC REGRESSION	P=0.461	P=0.188	P=0.147	P=0.313
COCH-ARM / FISHERS	P=0.517	P=0.142	P=0.142	P=0.330
ORDER RESTRICTED	P=0.236	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.245	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen Pigmentation

LESION RATES

OVERALL (a)	7/50 (14%)	5/50 (10%)	8/50 (16%)	6/50 (12%)
POLY-3 RATE (b)	7/45.45	5/46.89	8/45.11	6/44.76
POLY-3 PERCENT (g)	15.4%	10.7%	17.7%	13.4%
TERMINAL (d)	3/33 (9%)	2/36 (6%)	4/30 (13%)	4/35 (11%)
FIRST INCIDENCE	560	487	673	578

STATISTICAL TESTS

LIFE TABLE	P=0.543N	P=0.341N	P=0.460	P=0.487N
POLY 3	P=0.567N	P=0.357N	P=0.494	P=0.512N
POLY 1.5	P=0.555N	P=0.366N	P=0.499	P=0.506N
POLY 6	P=0.560	P=0.348N	P=0.484	P=0.519N
LOGISTIC REGRESSION	P=0.529N	P=0.414N	P=0.501	P=0.498N
COCH-ARM / FISHERS	P=0.539N	P=0.380N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.571	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.575	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen: Lymphoid Follicle
Atrophy

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/44.71	0/45.72	4/45.75	1/44.58
POLY-3 PERCENT (g)	2.2%	0%	8.7%	2.2%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	1/30 (3%)	0/35 (0%)
FIRST INCIDENCE	563	---	526	494

STATISTICAL TESTS

LIFE TABLE	P=0.562	P=0.496N	P=0.179	P=0.760
POLY 3	P=0.555	P=0.496N	P=0.186	P=0.760
POLY 1.5	P=0.559	P=0.497N	P=0.184	P=0.760
POLY 6	P=0.549	P=0.493N	P=0.187	P=0.760
LOGISTIC REGRESSION	P=0.577	P=0.517N	P=0.128	P=0.762
COCH-ARM / FISHERS	P=0.563	P=0.500N	P=0.181	P=0.753N
ORDER RESTRICTED	P=0.189	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.197	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Spleen: Red Pulp
Atrophy

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/44.71	0/45.72	4/45.75	3/45.44
POLY-3 PERCENT (g)	2.2%	0%	8.7%	6.6%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	1/30 (3%)	0/35 (0%)
FIRST INCIDENCE	563	---	526	494

STATISTICAL TESTS

LIFE TABLE	P=0.150	P=0.496N	P=0.179	P=0.310
POLY 3	P=0.147	P=0.496N	P=0.186	P=0.311
POLY 1.5	P=0.147	P=0.497N	P=0.184	P=0.309
POLY 6	P=0.148	P=0.493N	P=0.187	P=0.314
LOGISTIC REGRESSION	P=0.155	P=0.517N	P=0.128	P=0.284
COCH-ARM / FISHERS	P=0.147	P=0.500N	P=0.181	P=0.309
ORDER RESTRICTED	P=0.096	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.105	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach
 Hyperkeratosis

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/44.17	0/45.72	0/44.66	2/44.39
POLY-3 PERCENT (g)	2.3%	0%	0%	4.5%
TERMINAL (d)	1/33 (3%)	0/36 (0%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	---	---	578

STATISTICAL TESTS

LIFE TABLE	P=0.195	P=0.483N	P=0.519N	P=0.516
POLY 3	P=0.185	P=0.493N	P=0.498N	P=0.502
POLY 1.5	P=0.186	P=0.496N	P=0.498N	P=0.501
POLY 6	P=0.183	P=0.489N	P=0.498N	P=0.503
LOGISTIC REGRESSION	P=0.193	(e)	(e)	P=0.501
COCH-ARM / FISHERS	P=0.189	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.130	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.138	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/44.17	0/45.72	0/44.66	2/44.39
POLY-3 PERCENT (g)	4.5%	0%	0%	4.5%
TERMINAL (d)	2/33 (6%)	0/36 (0%)	0/30 (0%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	---	---	578

STATISTICAL TESTS

LIFE TABLE	P=0.389	P=0.219N	P=0.259N	P=0.676N
POLY 3	P=0.373	P=0.229N	P=0.235N	P=0.692N
POLY 1.5	P=0.377	P=0.233N	P=0.235N	P=0.693N
POLY 6	P=0.370	P=0.225N	P=0.235N	P=0.691N
LOGISTIC REGRESSION	P=0.383	(e)	(e)	P=0.695N
COCH-ARM / FISHERS	P=0.381	P=0.247N	P=0.247N	P=0.691N
ORDER RESTRICTED	P=0.264N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.273N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	2/45.08
POLY-3 PERCENT (g)	0%	0%	0%	4.4%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	494

STATISTICAL TESTS

LIFE TABLE	P=0.042*	(e)	(e)	P=0.242
POLY 3	P=0.041*	(e)	(e)	P=0.242
POLY 1.5	P=0.041*	(e)	(e)	P=0.240
POLY 6	P=0.041*	(e)	(e)	P=0.244
LOGISTIC REGRESSION	P=0.034*	(e)	(e)	P=0.200
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.032*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.038*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Forestomach
Ulcer

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	2/45.08
POLY-3 PERCENT (g)	0%	0%	0%	4.4%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	494

STATISTICAL TESTS

LIFE TABLE	P=0.042*	(e)	(e)	P=0.242
POLY 3	P=0.041*	(e)	(e)	P=0.242
POLY 1.5	P=0.041*	(e)	(e)	P=0.240
POLY 6	P=0.041*	(e)	(e)	P=0.244
LOGISTIC REGRESSION	P=0.034*	(e)	(e)	P=0.200
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.032*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.038*	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Glandular
 Erosion

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.17	2/45.93	0/44.66	1/44.58
POLY-3 PERCENT (g)	0%	4.4%	0%	2.2%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	674	---	494

STATISTICAL TESTS

LIFE TABLE	P=0.619	P=0.257	(e)	P=0.500
POLY 3	P=0.627	P=0.246	(e)	P=0.502
POLY 1.5	P=0.625	P=0.242	(e)	P=0.501
POLY 6	P=0.629	P=0.251	(e)	P=0.503
LOGISTIC REGRESSION	P=0.628	P=0.239	(e)	P=0.448
COCH-ARM / FISHERS	P=0.622	P=0.247	(e)	P=0.500
ORDER RESTRICTED	P=0.327	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.338	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Stomach, Glandular: Glands
Cyst

LESION RATES

OVERALL (a)	2/50 (4%)	5/50 (10%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	2/44.17	5/47.12	4/45.00	5/44.28
POLY-3 PERCENT (g)	4.5%	10.6%	8.9%	11.3%
TERMINAL (d)	2/33 (6%)	2/36 (6%)	3/30 (10%)	4/35 (11%)
FIRST INCIDENCE	729 (T)	372	634	618

STATISTICAL TESTS

LIFE TABLE	P=0.311	P=0.253	P=0.307	P=0.238
POLY 3	P=0.294	P=0.243	P=0.346	P=0.216
POLY 1.5	P=0.298	P=0.233	P=0.343	P=0.217
POLY 6	P=0.290	P=0.256	P=0.347	P=0.217
LOGISTIC REGRESSION	P=0.312	P=0.189	P=0.341	P=0.213
COCH-ARM / FISHERS	P=0.304	P=0.218	P=0.339	P=0.218
ORDER RESTRICTED	P=0.211	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.220	(e)	(e)	(e)

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)

TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Stomach, Glandular: Glands Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	1/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/33 (0%)	1/36 (3%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.571N	P=0.517	(e)	(e)
POLY 3	P=0.572N	P=0.507	(e)	(e)
POLY 1.5	P=0.574N	P=0.504	(e)	(e)
POLY 6	P=0.570N	P=0.511	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.517	(e)	(e)
COCH-ARM / FISHERS	P=0.576N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.389N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.397N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thymus
Atrophy

LESION RATES

OVERALL (a)	11/47 (23%)	11/47 (23%)	13/48 (27%)	17/50 (34%)
POLY-3 RATE (b)	11/44.53	11/43.89	13/44.84	17/48.53
POLY-3 PERCENT (g)	24.7%	25.1%	29%	35%
TERMINAL (d)	5/33 (15%)	8/34 (24%)	7/29 (24%)	7/35 (20%)
FIRST INCIDENCE	563	487	526	436

STATISTICAL TESTS

LIFE TABLE	P=0.106	P=0.557N	P=0.356	P=0.178
POLY 3	P=0.132	P=0.582	P=0.414	P=0.195
POLY 1.5	P=0.124	P=0.589	P=0.424	P=0.189
POLY 6	P=0.141	P=0.566	P=0.393	P=0.200
LOGISTIC REGRESSION	P=0.141	P=0.587	P=0.421	P=0.220
COCH-ARM / FISHERS	P=0.112	P=0.596N	P=0.430	P=0.177
ORDER RESTRICTED	P=0.208	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.214	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Thymus Cyst				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/47 (0%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.41	0/42.93	0/43.13	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/34 (0%)	0/29 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thymus Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/47 (0%)	5/47 (11%)	7/48 (15%)	4/50 (8%)
POLY-3 RATE (b)	0/42.41	5/43.12	7/43.13	4/43.89
POLY-3 PERCENT (g)	0%	11.6%	16.2%	9.1%
TERMINAL (d)	0/33 (0%)	4/34 (12%)	7/29 (24%)	4/35 (11%)
FIRST INCIDENCE	---	680	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.332	P=0.038*	P=0.005**	P=0.070
POLY 3	P=0.315	P=0.031*	P=0.008**	P=0.064
POLY 1.5	P=0.327	P=0.031*	P=0.008**	P=0.066
POLY 6	P=0.299	P=0.032*	P=0.007**	P=0.062
LOGISTIC REGRESSION	P=0.304	P=0.034*	P=0.005**	P=0.070
COCH-ARM / FISHERS	P=0.343	P=0.028*	P=0.007**	P=0.066
ORDER RESTRICTED	P=0.028*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thyroid Gland
Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	3/50 (6%)	2/50 (4%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/44.17	2/45.72	3/44.85	3/43.89
POLY-3 PERCENT (g)	6.8%	4.4%	6.7%	6.8%
TERMINAL (d)	3/33 (9%)	2/36 (6%)	2/30 (7%)	3/35 (9%)
FIRST INCIDENCE	729 (T)	729 (T)	680	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.532	P=0.460N	P=0.623	P=0.637N
POLY 3	P=0.510	P=0.484N	P=0.656N	P=0.660
POLY 1.5	P=0.516	P=0.491N	P=0.657N	P=0.661
POLY 6	P=0.503	P=0.476N	P=0.655N	P=0.659
LOGISTIC REGRESSION	P=0.508	P=0.460N	P=0.661N	P=0.637N
COCH-ARM / FISHERS	P=0.524	P=0.500N	P=0.661N	P=0.661N
ORDER RESTRICTED	P=0.628	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.627	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thyroid Gland: Follicle
Cyst

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.30	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	4.5%	0%	0%	0%
TERMINAL (d)	1/33 (3%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	697	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.245N	P=0.227N	P=0.250N	P=0.236N
POLY 3	P=0.247N	P=0.230N	P=0.235N	P=0.239N
POLY 1.5	P=0.244N	P=0.233N	P=0.236N	P=0.238N
POLY 6	P=0.250N	P=0.226N	P=0.236N	P=0.240N
LOGISTIC REGRESSION	P=0.245N	P=0.229N	P=0.235N	P=0.239N
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.031N*	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.036N*	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Thyroid Gland: Follicular Cell
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/44.17	3/45.98	1/44.66	1/43.89
POLY-3 PERCENT (g)	2.3%	6.5%	2.2%	2.3%
TERMINAL (d)	1/33 (3%)	2/36 (6%)	1/30 (3%)	1/35 (3%)
FIRST INCIDENCE	729 (T)	660	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.419N	P=0.339	P=0.741	P=0.749N
POLY 3	P=0.426N	P=0.320	P=0.758N	P=0.759
POLY 1.5	P=0.425N	P=0.313	P=0.759N	P=0.760
POLY 6	P=0.427N	P=0.328	P=0.759N	P=0.759
LOGISTIC REGRESSION	P=0.434N	P=0.317	P=0.741	P=0.749N
COCH-ARM / FISHERS	P=0.423N	P=0.309	P=0.753N	P=0.753N
ORDER RESTRICTED	P=0.457N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.463N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
Time Report Requested: 13:25:49
First Dose M/F: 06/25/02 / 06/24/02
Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Tooth Dysplasia				
LESION RATES				
OVERALL (a)	0/3 (0%)	0/4 (0%)	0/4 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/2.94	0/3.82	0/3.38	0/0.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/3 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Tooth Malformation				
LESION RATES				
OVERALL (a)	3/3 (100%)	3/4 (75%)	3/4 (75%)	1/1 (100%)
POLY-3 RATE (b)	3/3.00	3/4.00	3/4.00	1/1.00
POLY-3 PERCENT (g)	100%	75%	75%	100%
TERMINAL (d)	2/2 (100%)	2/3 (67%)	2/3 (67%)	0/0 (0%)
FIRST INCIDENCE	715	682	526	701
STATISTICAL TESTS				
LIFE TABLE	P=0.616N	P=0.533N	P=0.558N	(e)
POLY 3	P=0.781	P=0.556N	P=0.556N	(e)
POLY 1.5	P=0.781	P=0.556N	P=0.556N	(e)
POLY 6	P=0.781	P=0.556N	P=0.556N	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.816	P=0.571N	P=0.571N	(e)
ORDER RESTRICTED	P=0.601N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.565N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Tooth: Peridental Tissue
 Inflammation

LESION RATES

OVERALL (a)	0/3 (0%)	1/4 (25%)	1/4 (25%)	0/1 (0%)
POLY-3 RATE (b)	0/2.94	1/3.82	1/3.38	0/0.89
POLY-3 PERCENT (g)	0%	26.2%	29.6%	0%
TERMINAL (d)	0/2 (0%)	1/3 (33%)	1/3 (33%)	0/0 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.894	P=0.581	P=0.581	(e)
POLY 3	P=0.796	P=0.551	P=0.528	(e)
POLY 1.5	P=0.793N	P=0.553	P=0.539	(e)
POLY 6	P=0.771	P=0.547	P=0.517	(e)
LOGISTIC REGRESSION	(e)	P=0.581	P=0.581	(e)
COCH-ARM / FISHERS	P=0.816N	P=0.571	P=0.571	(e)
ORDER RESTRICTED	P=0.598	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.563	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Tooth: Pulp Inflammation				
LESION RATES				
OVERALL (a)	0/3 (0%)	0/4 (0%)	0/4 (0%)	0/1 (0%)
POLY-3 RATE (b)	0/2.94	0/3.82	0/3.38	0/0.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/2 (0%)	0/3 (0%)	0/3 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Urinary Bladder Infiltration Cellular Mononuclear Cell

LESION RATES

OVERALL (a)	33/50 (66%)	37/50 (74%)	38/50 (76%)	38/50 (76%)
POLY-3 RATE (b)	33/47.39	37/48.31	38/48.50	38/48.35
POLY-3 PERCENT (g)	69.6%	76.6%	78.4%	78.6%
TERMINAL (d)	22/33 (67%)	27/36 (75%)	23/30 (77%)	28/35 (80%)
FIRST INCIDENCE	380	487	506	436

STATISTICAL TESTS

LIFE TABLE	P=0.317	P=0.482	P=0.166	P=0.320
POLY 3	P=0.263	P=0.291	P=0.223	P=0.215
POLY 1.5	P=0.256	P=0.271	P=0.208	P=0.204
POLY 6	P=0.263	P=0.320	P=0.241	P=0.225
LOGISTIC REGRESSION	P=0.227	P=0.287	P=0.198	P=0.186
COCH-ARM / FISHERS	P=0.241	P=0.257	P=0.189	P=0.189
ORDER RESTRICTED	P=0.233	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.244	(e)	(e)	(e)

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG
Urinary Bladder: Transitional Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.17	0/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/33 (0%)	0/36 (0%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
 Time Report Requested: 13:25:49
 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Uterus
 Angiectasis

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/44.17	1/45.72	0/44.66	0/43.89
POLY-3 PERCENT (g)	4.5%	2.2%	0%	0%
TERMINAL (d)	2/33 (6%)	1/36 (3%)	0/30 (0%)	0/35 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.168N	P=0.470N	P=0.259N	P=0.225N
POLY 3	P=0.172N	P=0.488N	P=0.235N	P=0.238N
POLY 1.5	P=0.171N	P=0.493N	P=0.235N	P=0.238N
POLY 6	P=0.174N	P=0.481N	P=0.235N	P=0.239N
LOGISTIC REGRESSION	P=0.168N	P=0.470N	(e)	(e)
COCH-ARM / FISHERS	P=0.169N	P=0.500N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.074N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.082N	(e)	(e)	(e)

TDMS No. 97003 - 08
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 1,2-Dibromo-2,4-dicyanobutane
 CAS Number: 35691-65-7

Date Report Requested: 08/21/2007
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 First Dose M/F: 06/25/02 / 06/24/02
 Lab: BAT

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

DOSE	Females			
	0 MG/KG	0.6 MG/KG	2 MG/KG	6 MG/KG

Uterus: Endometrium
 Hyperplasia Cystic

LESION RATES

OVERALL (a)	50/50 (100%)	49/50 (98%)	48/50 (96%)	48/50 (96%)
POLY-3 RATE (b)	50/50.00	49/49.30	48/49.69	48/49.03
POLY-3 PERCENT (g)	100%	99.4%	96.6%	97.9%
TERMINAL (d)	33/33 (100%)	36/36 (100%)	29/30 (97%)	35/35 (100%)
FIRST INCIDENCE	380	372	506	436

STATISTICAL TESTS

LIFE TABLE	P=0.393N	P=0.243N	P=0.509	P=0.311N
POLY 3	P=0.348N	P=0.990N	P=0.282N	P=0.478N
POLY 1.5	P=0.273N	P=0.795N	P=0.259N	P=0.331N
POLY 6	P=0.533N	P=1.000N	P=0.331N	P=0.887N
LOGISTIC REGRESSION	P=0.234N	P=0.490N	P=0.234N	P=0.221N
COCH-ARM / FISHERS	P=0.228N	P=0.500N	P=0.247N	P=0.247N
ORDER RESTRICTED	P=0.139N	(e)	(e)	(e)
MAX-ISO-POLY-3	P=0.151N	(e)	(e)	(e)

TDMS No. 97003 - 08
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
1,2-Dibromo-2,4-dicyanobutane
CAS Number: 35691-65-7

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Lab: BAT

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 ***