

TDMS No. 88148 - 07
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
Time Report Requested: 14:57:52
First Dose M/F: 02/04/03 / 02/03/03
Lab: BAT

F_2_M3

C Number: C88148C
Lock Date: 08/31/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.1.0

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HISTORICAL CONTROL STUDIES

From November 2008 report

SAME ROUTE

88105-04 -- Isoeugenol (GAVAGE CORN OIL)

99023-04 -- beta-Myrcene (GAVAGE CORN OIL)

99020-06 -- Pulegone (GAVAGE CORN OIL)

ALL ROUTES

99024-08 -- Androstenedione (GAVAGE METHYLCELLULOSE)

88138-04 -- Benzophenone (ORAL FEED)

99028-06 -- bis(2-Chloroethoxy)methane (SKIN ETHANOL)

20011-06 -- 1-Bromopropane (INHALATION AIR)

99027-04 -- Chromium picolinate monohydrate (ORAL FEED)

05174-06 -- Cresols (ORAL FEED)

96011-06 -- Cumene (INHALATION AIR)

97003-08 -- 1,2-Dibromo-2,4-dicyanobutane (SKIN ETHANOL)

99017-06 -- Diethylamine (INHALATION AIR)

93020-08 -- Diisopropylcarbodiimide (SKIN ETHANOL)

88004-06 -- Divinylbenzene (INHALATION AIR)

88123-07 -- Formamide (GAVAGE WATER)

20005-06 -- Ginseng (GAVAGE WATER)

99007-06 -- Goldenseal root powder (ORAL FEED)

95011-06 -- 5-(Hydroxymethyl)-2-furfural (GAVAGE WATER)

88105-04 -- Isoeugenol (GAVAGE CORN OIL)

97006-02 -- Methyl isobutyl ketone (INHALATION AIR)

91005-08 -- Methylene blue trihydrate (GAVAGE METHYLCELLULOSE)

92013-06 -- 4-Methylimidazole (ORAL FEED)

88006-04 -- alpha-Methylstyrene (INHALATION AIR)

20008-04 -- Milk thistle extract (ORAL FEED)

99023-04 -- beta-Myrcene (GAVAGE CORN OIL)

97008-06 -- Propargyl alcohol (INHALATION AIR)

99020-06 -- Pulegone (GAVAGE CORN OIL)

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HISTORICAL CONTROL STUDIES
From November 2008 report

20114-06 -- Sodium dichromate dihydrate (VI) (ORAL WATER)
93025-06 -- Tetralin (INHALATION AIR)
96019-06 -- Water disinfection byproducts (Bromochloroacetic acid) (ORAL WATER)
96017-06 -- Water disinfection byproducts (Dibromoacetic acid) (ORAL WATER)
96015-06 -- Water disinfection byproducts (Dibromoacetonitrile) (ORAL WATER)

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**FOR ALL DOSES THE TUMOR RATES IN THE FOLLOWING TISSUES/ORGANS ARE BASED ON NUMBER OF TISSUES EXAMINED.
IN OTHER TISSUES/ORGANS RATES ARE BASED ON THE NUMBER OF ANIMALS NECROPSIED.**

Adrenal Cortex
Adrenal Medulla
Bone Marrow
Brain
Clitoral/Preputial Gland
Heart
Islets, Pancreatic
Kidney
Liver
Lung
Ovary
Pancreas
Pituitary Gland
Salivary Glands
Spleen
Testes
Thymus
Thyroid Gland

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF 3,3',4,4'-TETRACHLOROAZOBENZENE

MALE MICE

Organ

Liver

Lung

Stomach, Forestomach

Urethra
All Organs

Morphology

Hepatocellular Adenoma
Hepatocellular Carcinoma
Hepatocellular Carcinoma or Hepatoblastoma
Hepatocellular Carcinoma or Hepatocellular Adenoma
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Alveolar/Bronchiolar Adenoma
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma
Squamous Cell Carcinoma
Squamous Cell Carcinoma or Papilloma Squamous
Carcinoma
Benign Tumors
Malignant Tumors
Malignant and Benign Tumors

FEMALE MICE

Organ

Harderian Gland
Intestine Small: Site Unspecified

Liver

Lung

Skin

Stomach, Forestomach
Urethra
All Organs

Morphology

Adenoma
Carcinoma
Carcinoma or Adenoma
Hepatocellular Adenoma
Hepatocellular Carcinoma or Hepatocellular Adenoma
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Alveolar/Bronchiolar Carcinoma
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma
Cystic Keratinizing Epithelioma
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma
Fibrosarcoma
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma
Squamous Cell Carcinoma
Carcinoma
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type
Malignant Tumors

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF 3,3',4,4'-TETRACHLOROAZOBENZENE

Malignant and Benign Tumors

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/45.53	1/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	6.6%	2.4%	0%	0%
TERMINAL (d)	3/35 (9%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	---	---
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	88/1390 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.138N	P=0.341N	P=0.231N	P=0.496N
POLY 1.5	P=0.123N	P=0.330N	P=0.181N	P=0.328N
POLY 6	P=0.145N	P=0.354N	P=0.311N	P=0.620N
COCH-ARM / FISHERS	P=0.098N	P=0.309N	P=0.125N	P=0.121N
MAX-ISO-POLY-3	P=0.224N	P=0.191N	P=0.138N	P=0.357N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	6/50 (12%)	3/50 (6%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	6/47.02	3/41.43	1/28.36	1/10.01
POLY-3 PERCENT (g)	12.8%	7.2%	3.5%	10%
TERMINAL (d)	2/35 (6%)	2/31 (7%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	486	680	567	505
HC TUMORS SAME ROUTE	23/150 (15%)			
HC TUMORS ALL ROUTES	182/1399 (13%)			
STATISTICAL TESTS				
POLY 3	P=0.224N	P=0.308N	P=0.189N	P=0.573N
POLY 1.5	P=0.157N	P=0.285N	P=0.124N	P=0.324N
POLY 6	P=0.258N	P=0.334N	P=0.304N	P=0.492
COCH-ARM / FISHERS	P=0.058N	P=0.243N	P=0.059N	P=0.056N
MAX-ISO-POLY-3	P=0.364N	P=0.212N	P=0.146N	P=0.454N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Intestine Small: Jejunum Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.53	0/41.24	1/28.04	0/9.34
POLY-3 PERCENT (g)	4.4%	0%	3.6%	0%
TERMINAL (d)	2/35 (6%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	---	673	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	17/1399 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.480N	P=0.260N	P=0.658N	P=0.576N
POLY 1.5	P=0.376N	P=0.252N	P=0.600N	P=0.445N
POLY 6	P=0.556N	P=0.268N	P=0.693	P=0.664N
COCH-ARM / FISHERS	P=0.271N	P=0.247N	P=0.508N	P=0.247N
MAX-ISO-POLY-3	P=0.579N	P=0.097N	P=0.444N	P=0.383N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Intestine Small: Site Unspecified Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/45.53	0/41.24	2/28.27	0/9.34
POLY-3 PERCENT (g)	4.4%	0%	7.1%	0%
TERMINAL (d)	2/35 (6%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	---	669	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	23/1399 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.536	P=0.260N	P=0.513	P=0.576N
POLY 1.5	P=0.505N	P=0.252N	P=0.584	P=0.445N
POLY 6	P=0.400	P=0.268N	P=0.419	P=0.664N
COCH-ARM / FISHERS	P=0.287N	P=0.247N	P=0.684	P=0.247N
MAX-ISO-POLY-3	P=0.601N	P=0.097N	P=0.347	P=0.383N
HISTCONT SAME RTE	P=0.339	(e)	P=0.170	(e)
HISTCONT ALL RTEs	P=0.625	(e)	P=0.225	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Intestine Small: Site Unspecified Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/45.53	1/41.24	2/28.27	0/9.34
POLY-3 PERCENT (g)	4.4%	2.4%	7.1%	0%
TERMINAL (d)	2/35 (6%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	669	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	31/1399 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.549	P=0.534N	P=0.513	P=0.576N
POLY 1.5	P=0.443N	P=0.523N	P=0.584	P=0.445N
POLY 6	P=0.367	P=0.546N	P=0.419	P=0.664N
COCH-ARM / FISHERS	P=0.211N	P=0.500N	P=0.684	P=0.247N
MAX-ISO-POLY-3	P=0.618N	P=0.318N	P=0.347	P=0.383N
HISTCONT SAME RTE	P=0.265	P=0.310	P=0.170	(e)
HISTCONT ALL RTEs	P=0.636	P=1.000	P=0.302	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.34	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	609	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	2/1385 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.200N	P=0.264N	P=0.364N	P=0.578N
POLY 1.5	P=0.214N	P=0.255N	P=0.311N	P=0.448N
POLY 6	P=0.169N	P=0.275N	P=0.438N	P=0.665N
COCH-ARM / FISHERS	P=0.243N	P=0.247N	P=0.253N	P=0.247N
MAX-ISO-POLY-3	P=0.326N	P=0.101N	P=0.194N	P=0.385N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.34	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	4.3%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	609	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	19/1385 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.200N	P=0.264N	P=0.364N	P=0.578N
POLY 1.5	P=0.214N	P=0.255N	P=0.311N	P=0.448N
POLY 6	P=0.169N	P=0.275N	P=0.438N	P=0.665N
COCH-ARM / FISHERS	P=0.243N	P=0.247N	P=0.253N	P=0.247N
MAX-ISO-POLY-3	P=0.326N	P=0.101N	P=0.194N	P=0.385N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.94	2/41.50	0/27.83	0/9.34
POLY-3 PERCENT (g)	2.2%	4.8%	0%	0%
TERMINAL (d)	0/35 (0%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	612	659	---	---
HC TUMORS SAME ROUTE	6/150 (4%)			
HC TUMORS ALL ROUTES	37/1397 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.396N	P=0.465	P=0.594N	P=0.710N
POLY 1.5	P=0.292N	P=0.476	P=0.559N	P=0.645N
POLY 6	P=0.552N	P=0.453	P=0.639N	P=0.748N
COCH-ARM / FISHERS	P=0.210N	P=0.500	P=0.505N	P=0.500N
MAX-ISO-POLY-3	P=0.617N	P=0.261	P=0.271N	P=0.417N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/45.53	1/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	4.4%	2.4%	0%	0%
TERMINAL (d)	2/35 (6%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	728 (T)	---	---
HC TUMORS SAME ROUTE	8/150 (5%)			
HC TUMORS ALL ROUTES	46/1397 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.232N	P=0.534N	P=0.359N	P=0.576N
POLY 1.5	P=0.200N	P=0.523N	P=0.309N	P=0.445N
POLY 6	P=0.265N	P=0.546N	P=0.432N	P=0.664N
COCH-ARM / FISHERS	P=0.170N	P=0.500N	P=0.253N	P=0.247N
MAX-ISO-POLY-3	P=0.376N	P=0.318N	P=0.190N	P=0.383N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	22/50 (44%)	27/50 (54%)	17/49 (35%)	2/50 (4%)
POLY-3 RATE (b)	22/46.74	27/42.81	17/33.69	2/10.90
POLY-3 PERCENT (g)	47.1%	63.1%	50.5%	18.4%
TERMINAL (d)	17/35 (49%)	22/31 (71%)	3/5 (60%)	0/0 (0%)
FIRST INCIDENCE	609	552	437	381
HC TUMORS SAME ROUTE	72/150 (48%)			
HC TUMORS ALL ROUTES	711/1397 (51%)			
STATISTICAL TESTS				
POLY 3	P=0.231N	P=0.089	P=0.471	P=0.164N
POLY 1.5	P=0.004N**	P=0.122	P=0.516N	P=0.006N**
POLY 6	P=0.219	P=0.062	P=0.244	P=0.578N
COCH-ARM / FISHERS	P<0.001N**	P=0.212	P=0.229N	P<0.001N**
MAX-ISO-POLY-3	P=0.243N	P=0.066	P=0.394	P=0.188N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	17/50 (34%)	10/50 (20%)	8/49 (16%)	0/50 (0%)
POLY-3 RATE (b)	17/47.96	10/42.68	8/30.01	0/9.34
POLY-3 PERCENT (g)	35.5%	23.4%	26.7%	0%
TERMINAL (d)	9/35 (26%)	6/31 (19%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	563	524	533	---
HC TUMORS SAME ROUTE	35/150 (23%)			
HC TUMORS ALL ROUTES	398/1397 (29%)			
STATISTICAL TESTS				
POLY 3	P=0.093N	P=0.153N	P=0.294N	P=0.130N
POLY 1.5	P=0.007N**	P=0.128N	P=0.147N	P=0.006N**
POLY 6	P=0.385N	P=0.186N	P=0.545N	P=0.445N
COCH-ARM / FISHERS	P<0.001N**	P=0.088N	P=0.036N*	P<0.001N**
MAX-ISO-POLY-3	P=0.151N	P=0.118N	P=0.257N	P=0.161N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	19/50 (38%)	10/50 (20%)	8/49 (16%)	0/50 (0%)
POLY-3 RATE (b)	19/47.96	10/42.68	8/30.01	0/9.34
POLY-3 PERCENT (g)	39.6%	23.4%	26.7%	0%
TERMINAL (d)	11/35 (31%)	6/31 (19%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	563	524	533	---
HC TUMORS SAME ROUTE	40/150 (27%)			
HC TUMORS ALL ROUTES	427/1397 (31%)			
STATISTICAL TESTS				
POLY 3	P=0.047N*	P=0.075N	P=0.183N	P=0.104N
POLY 1.5	P=0.003N**	P=0.060N	P=0.075N	P=0.003N**
POLY 6	P=0.240N	P=0.096N	P=0.420N	P=0.429N
COCH-ARM / FISHERS	P<0.001N**	P=0.038N*	P=0.014N*	P<0.001N**
MAX-ISO-POLY-3	P=0.076N	P=0.057N	P=0.170N	P=0.139N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	34/50 (68%)	31/50 (62%)	20/49 (41%)	2/50 (4%)
POLY-3 RATE (b)	34/48.33	31/43.69	20/34.86	2/10.90
POLY-3 PERCENT (g)	70.4%	71%	57.4%	18.4%
TERMINAL (d)	24/35 (69%)	24/31 (77%)	4/5 (80%)	0/0 (0%)
FIRST INCIDENCE	563	524	437	381
HC TUMORS SAME ROUTE	90/150 (60%)			
HC TUMORS ALL ROUTES	927/1397 (66%)			
STATISTICAL TESTS				
POLY 3	P=0.008N**	P=0.568	P=0.150N	P=0.016N*
POLY 1.5	P<0.001N**	P=0.519N	P=0.049N*	P<0.001N**
POLY 6	P=0.314N	P=0.464	P=0.423N	P=0.413N
COCH-ARM / FISHERS	P<0.001N**	P=0.338N	P=0.006N**	P<0.001N**
MAX-ISO-POLY-3	P=0.013N*	P=0.474	P=0.132N	P=0.041N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	34/50 (68%)	31/50 (62%)	20/49 (41%)	2/50 (4%)
POLY-3 RATE (b)	34/48.33	31/43.69	20/34.86	2/10.90
POLY-3 PERCENT (g)	70.4%	71%	57.4%	18.4%
TERMINAL (d)	24/35 (69%)	24/31 (77%)	4/5 (80%)	0/0 (0%)
FIRST INCIDENCE	563	524	437	381
HC TUMORS SAME ROUTE	93/150 (62%)			
HC TUMORS ALL ROUTES	938/1397 (67%)			
STATISTICAL TESTS				
POLY 3	P=0.008N**	P=0.568	P=0.150N	P=0.016N*
POLY 1.5	P<0.001N**	P=0.519N	P=0.049N*	P<0.001N**
POLY 6	P=0.314N	P=0.464	P=0.423N	P=0.413N
COCH-ARM / FISHERS	P<0.001N**	P=0.338N	P=0.006N**	P<0.001N**
MAX-ISO-POLY-3	P=0.013N*	P=0.474	P=0.132N	P=0.041N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	5/50 (10%)	16/50 (32%)	12/49 (24%)	6/50 (12%)
POLY-3 RATE (b)	5/45.53	16/42.16	12/32.02	6/13.97
POLY-3 PERCENT (g)	11%	38%	37.5%	43%
TERMINAL (d)	5/35 (14%)	13/31 (42%)	1/5 (20%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	574	470	357
HC TUMORS SAME ROUTE	20/150 (13%)			
HC TUMORS ALL ROUTES	233/1398 (17%)			
STATISTICAL TESTS				
POLY 3	P=0.014*	P=0.002**	P=0.006**	P=0.037*
POLY 1.5	P=0.187	P=0.003**	P=0.013*	P=0.123
POLY 6	P<0.001**	P=0.002**	P=0.002**	P=0.013*
COCH-ARM / FISHERS	P=0.175N	P=0.006**	P=0.049*	P=0.500
MAX-ISO-POLY-3	P=0.022*	P<0.001**	P=0.007**	P=0.061
HISTCONT SAME RTE	P=0.027*	P=0.002**	P=0.008**	P=0.078
HISTCONT ALL RTEs	P=0.025*	P=0.002**	P=0.007**	P=0.068

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	1/50 (2%)	4/49 (8%)	0/50 (0%)
POLY-3 RATE (b)	3/45.71	1/41.43	4/28.55	0/9.34
POLY-3 PERCENT (g)	6.6%	2.4%	14%	0%
TERMINAL (d)	2/35 (6%)	0/31 (0%)	2/5 (40%)	0/0 (0%)
FIRST INCIDENCE	682	680	590	---
HC TUMORS SAME ROUTE	10/150 (7%)			
HC TUMORS ALL ROUTES	160/1398 (11%)			
STATISTICAL TESTS				
POLY 3	P=0.352	P=0.341N	P=0.265	P=0.496N
POLY 1.5	P=0.498N	P=0.330N	P=0.348	P=0.329N
POLY 6	P=0.140	P=0.353N	P=0.174	P=0.620N
COCH-ARM / FISHERS	P=0.155N	P=0.309N	P=0.489	P=0.121N
MAX-ISO-POLY-3	P=0.556N	P=0.190N	P=0.198	P=0.357N
HISTCONT SAME RTE	P=0.681	P=1.000	P=0.251	(e)
HISTCONT ALL RTEs	P=0.655	P=1.000	P=0.239	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	7/50 (14%)	17/50 (34%)	15/49 (31%)	6/50 (12%)
POLY-3 RATE (b)	7/45.71	17/42.34	15/32.74	6/13.97
POLY-3 PERCENT (g)	15.3%	40.2%	45.8%	43%
TERMINAL (d)	6/35 (17%)	13/31 (42%)	2/5 (40%)	0/0 (0%)
FIRST INCIDENCE	682	574	470	357
HC TUMORS SAME ROUTE	29/150 (19%)			
HC TUMORS ALL ROUTES	377/1398 (27%)			
STATISTICAL TESTS				
POLY 3	P=0.014*	P=0.007**	P=0.003**	P=0.081
POLY 1.5	P=0.234	P=0.009**	P=0.008**	P=0.244
POLY 6	P<0.001**	P=0.005**	P<0.001**	P=0.028*
COCH-ARM / FISHERS	P=0.090N	P=0.017*	P=0.040*	P=0.500N
MAX-ISO-POLY-3	P=0.022*	P=0.004**	P=0.004**	P=0.106
HISTCONT SAME RTE	P=0.027*	P=0.005**	P=0.004**	P=0.140
HISTCONT ALL RTEs	P=0.024*	P=0.004**	P=0.004**	P=0.123

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Cystic Keratinizing Epithelioma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.53	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	0/1398 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.60	0/41.24	0/26.83	0/9.34
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/4 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/149 (0%)			
HC TUMORS ALL ROUTES	6/1368 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skeletal Muscle				
Rhabdomyosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.53	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	2/1399 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.64	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	700	---	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	20/1399 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.520N	P=0.593N	P=0.709N
POLY 1.5	P=0.392N	P=0.514N	P=0.558N	P=0.644N
POLY 6	P=0.363N	P=0.527N	P=0.638N	P=0.748N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.505N	P=0.500N
MAX-ISO-POLY-3	P=0.601N	P=0.183N	P=0.270N	P=0.417N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.64	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	700	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	1/1399 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.520N	P=0.593N	P=0.709N
POLY 1.5	P=0.392N	P=0.514N	P=0.558N	P=0.644N
POLY 6	P=0.363N	P=0.527N	P=0.638N	P=0.748N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.505N	P=0.500N
MAX-ISO-POLY-3	P=0.601N	P=0.183N	P=0.270N	P=0.417N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.64	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	700	---	---	---
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	16/1399 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.384N	P=0.520N	P=0.593N	P=0.709N
POLY 1.5	P=0.392N	P=0.514N	P=0.558N	P=0.644N
POLY 6	P=0.363N	P=0.527N	P=0.638N	P=0.748N
COCH-ARM / FISHERS	P=0.474N	P=0.500N	P=0.505N	P=0.500N
MAX-ISO-POLY-3	P=0.601N	P=0.183N	P=0.270N	P=0.417N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.53	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	2/1399 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	2/45.53	0/41.24	0/27.83	0/9.10
POLY-3 PERCENT (g)	4.4%	0%	0%	0%
TERMINAL (d)	2/35 (6%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	---	---	---
HC TUMORS SAME ROUTE	3/149 (2%)			
HC TUMORS ALL ROUTES	34/1387 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.201N	P=0.260N	P=0.359N	P=0.579N
POLY 1.5	P=0.215N	P=0.252N	P=0.309N	P=0.451N
POLY 6	P=0.167N	P=0.268N	P=0.432N	P=0.666N
COCH-ARM / FISHERS	P=0.245N	P=0.247N	P=0.253N	P=0.253N
MAX-ISO-POLY-3	P=0.327N	P=0.097N	P=0.190N	P=0.385N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Stomach, Forestomach Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/49 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/45.53	1/42.06	1/28.32	3/11.67
POLY-3 PERCENT (g)	0%	2.4%	3.5%	25.7%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	416	584	376
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	6/1399 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.012*	P=0.484	P=0.410	P=0.023*
POLY 1.5	P=0.016*	P=0.489	P=0.443	P=0.039*
POLY 6	P=0.018*	P=0.479	P=0.367	P=0.016*
COCH-ARM / FISHERS	P=0.065	P=0.500	P=0.495	P=0.121
MAX-ISO-POLY-3	P=0.019*	P=0.158	P=0.156	P=0.032*
HISTCONT SAME RTE	P=0.022*	P=0.211	P=0.208	P=0.039*
HISTCONT ALL RTEs	P=0.013*	P=0.157	P=0.138	P=0.034*

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Stomach, Forestomach Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/49 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/45.53	1/42.06	1/28.32	3/11.67
POLY-3 PERCENT (g)	2.2%	2.4%	3.5%	25.7%
TERMINAL (d)	1/35 (3%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	416	584	376
HC TUMORS SAME ROUTE	1/150 (1%)			
HC TUMORS ALL ROUTES	18/1399 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.043*	P=0.743	P=0.645	P=0.062
POLY 1.5	P=0.055	P=0.748	P=0.692	P=0.115
POLY 6	P=0.064	P=0.737	P=0.577	P=0.040*
COCH-ARM / FISHERS	P=0.157	P=0.753N	P=0.747	P=0.309
MAX-ISO-POLY-3	P=0.070	P=0.477	P=0.391	P=0.072
HISTCONT SAME RTE	P=0.087	P=0.260	P=0.240	P=0.094
HISTCONT ALL RTEs	P=0.042*	P=0.444	P=0.357	P=0.059

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 104 WEEKS

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Stomach, Forestomach				
Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.53	0/41.24	0/27.83	1/10.20
POLY-3 PERCENT (g)	2.2%	0%	0%	9.8%
TERMINAL (d)	1/35 (3%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	728 (T)	---	---	376
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	13/1399 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.483	P=0.520N	P=0.593N	P=0.435
POLY 1.5	P=0.420	P=0.513N	P=0.558N	P=0.561
POLY 6	P=0.652N	P=0.526N	P=0.637N	P=0.348
COCH-ARM / FISHERS	P=0.536	P=0.500N	P=0.505N	P=0.753N
MAX-ISO-POLY-3	P=0.293	P=0.182N	P=0.270N	P=0.289
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Thyroid Gland: Follicular Cell Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.53	0/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	19/1391 (1%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Thyroid Gland: Follicular Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.53	1/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/35 (0%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	728 (T)	---	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	4/1391 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.692N	P=0.480	(e)	(e)
POLY 1.5	P=0.589N	P=0.487	(e)	(e)
POLY 6	P=0.647	P=0.474	(e)	(e)
COCH-ARM / FISHERS	P=0.576N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.667	P=0.158	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTES	(h)	(h)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Thyroid Gland: Follicular Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.53	1/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/35 (0%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	728 (T)	---	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	23/1391 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.692N	P=0.480	(e)	(e)
POLY 1.5	P=0.589N	P=0.487	(e)	(e)
POLY 6	P=0.647	P=0.474	(e)	(e)
COCH-ARM / FISHERS	P=0.576N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.667	P=0.158	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Urethra Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	32/50 (64%)	46/49 (94%)	49/50 (98%)
POLY-3 RATE (b)	0/45.53	32/45.27	46/46.14	49/49.04
POLY-3 PERCENT (g)	0%	70.7%	99.7%	99.9%
TERMINAL (d)	0/35 (0%)	21/31 (68%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	---	380	358	206
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	0/1399 (0%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/45.94	2/41.50	0/27.83	0/9.34
POLY-3 PERCENT (g)	6.5%	4.8%	0%	0%
TERMINAL (d)	2/35 (6%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	612	659	---	---
HC TUMORS SAME ROUTE	13/150 (9%)			
HC TUMORS ALL ROUTES	95/1399 (7%)			
STATISTICAL TESTS				
POLY 3	P=0.157N	P=0.546N	P=0.234N	P=0.497N
POLY 1.5	P=0.117N	P=0.531N	P=0.183N	P=0.330N
POLY 6	P=0.208N	P=0.561N	P=0.316N	P=0.620N
COCH-ARM / FISHERS	P=0.072N	P=0.500N	P=0.125N	P=0.121N
MAX-ISO-POLY-3	P=0.255N	P=0.371N	P=0.140N	P=0.358N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	3/50 (6%)	2/50 (4%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/45.94	2/41.50	0/27.83	0/9.34
POLY-3 PERCENT (g)	6.5%	4.8%	0%	0%
TERMINAL (d)	2/35 (6%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	612	659	---	---
HC TUMORS SAME ROUTE	13/150 (9%)			
HC TUMORS ALL ROUTES	107/1399 (8%)			
STATISTICAL TESTS				
POLY 3	P=0.157N	P=0.546N	P=0.234N	P=0.497N
POLY 1.5	P=0.117N	P=0.531N	P=0.183N	P=0.330N
POLY 6	P=0.208N	P=0.561N	P=0.316N	P=0.620N
COCH-ARM / FISHERS	P=0.072N	P=0.500N	P=0.125N	P=0.121N
MAX-ISO-POLY-3	P=0.255N	P=0.371N	P=0.140N	P=0.358N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.53	1/41.75	0/27.83	0/9.34
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/35 (0%)	0/31 (0%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	---	574	---	---
HC TUMORS SAME ROUTE	0/150 (0%)			
HC TUMORS ALL ROUTES	8/1399 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.692N	P=0.483	(e)	(e)
POLY 1.5	P=0.588N	P=0.488	(e)	(e)
POLY 6	P=0.646	P=0.478	(e)	(e)
COCH-ARM / FISHERS	P=0.576N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.668	P=0.158	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/45.95	1/41.24	0/27.83	0/9.34
POLY-3 PERCENT (g)	2.2%	2.4%	0%	0%
TERMINAL (d)	0/35 (0%)	1/31 (3%)	0/5 (0%)	0/0 (0%)
FIRST INCIDENCE	609	728 (T)	---	---
HC TUMORS SAME ROUTE	2/150 (1%)			
HC TUMORS ALL ROUTES	48/1399 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.395N	P=0.736	P=0.595N	P=0.710N
POLY 1.5	P=0.333N	P=0.744	P=0.559N	P=0.645N
POLY 6	P=0.482N	P=0.727	P=0.639N	P=0.748N
COCH-ARM / FISHERS	P=0.303N	P=0.753N	P=0.505N	P=0.500N
MAX-ISO-POLY-3	P=0.617N	P=0.470	P=0.271N	P=0.417N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	30/50 (60%)	32/50 (64%)	24/49 (49%)	10/50 (20%)
POLY-3 RATE (b)	30/48.04	32/43.68	24/37.06	10/17.06
POLY-3 PERCENT (g)	62.4%	73.3%	64.8%	58.6%
TERMINAL (d)	22/35 (63%)	24/31 (77%)	3/5 (60%)	0/0 (0%)
FIRST INCIDENCE	486	552	437	357
HC TUMORS SAME ROUTE	96/150 (64%)			
HC TUMORS ALL ROUTES	941/1399 (67%)			
STATISTICAL TESTS				
POLY 3	P=0.402N	P=0.181	P=0.503	P=0.504N
POLY 1.5	P=0.024N*	P=0.248	P=0.490N	P=0.054N
POLY 6	P=0.162	P=0.131	P=0.295	P=0.224
COCH-ARM / FISHERS	P<0.001N**	P=0.418	P=0.184N	P<0.001N**
MAX-ISO-POLY-3	P=0.540N	P=0.137	P=0.417	P=0.427N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	28/50 (56%)	42/50 (84%)	46/49 (94%)	49/50 (98%)
POLY-3 RATE (b)	28/49.07	42/47.15	46/46.14	49/49.04
POLY-3 PERCENT (g)	57.1%	89.1%	99.7%	99.9%
TERMINAL (d)	16/35 (46%)	27/31 (87%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	563	380	358	206
HC TUMORS SAME ROUTE	69/150 (46%)			
HC TUMORS ALL ROUTES	731/1399 (52%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.002**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P<0.001**	P<0.001**	P<0.001**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	41/50 (82%)	45/50 (90%)	46/49 (94%)	49/50 (98%)
POLY-3 RATE (b)	41/49.96	45/47.71	46/46.14	49/49.04
POLY-3 PERCENT (g)	82.1%	94.3%	99.7%	99.9%
TERMINAL (d)	27/35 (77%)	29/31 (94%)	5/5 (100%)	0/0 (0%)
FIRST INCIDENCE	486	380	358	206
HC TUMORS SAME ROUTE	124/150 (83%)			
HC TUMORS ALL ROUTES	1210/1399 (87%)			
STATISTICAL TESTS				
POLY 3	P=0.002**	P=0.055	P=0.003**	P=0.002**
POLY 1.5	P=0.002**	P=0.080	P=0.005**	P=0.003**
POLY 6	P=0.002**	P=0.041*	P=0.003**	P=0.002**
COCH-ARM / FISHERS	P=0.011*	P=0.194	P=0.065	P=0.008**
MAX-ISO-POLY-3	P<0.001**	P=0.030*	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.036*	P=0.002**	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P=0.031*	P=0.002**	P<0.001**

TDMS No. 88148 - 07
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.19	0/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/147 (1%)			
HC TUMORS ALL ROUTES	5/1443 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	14/50 (28%)	6/50 (12%)	9/50 (18%)	5/50 (10%)
POLY-3 RATE (b)	14/43.72	6/45.04	9/43.66	5/36.22
POLY-3 PERCENT (g)	32%	13.3%	20.6%	13.8%
TERMINAL (d)	12/35 (34%)	4/30 (13%)	7/32 (22%)	3/19 (16%)
FIRST INCIDENCE	569	596	477	541
HC TUMORS SAME ROUTE	14/148 (10%)			
HC TUMORS ALL ROUTES	146/1448 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.131N	P=0.029N*	P=0.165N	P=0.048N*
POLY 1.5	P=0.103N	P=0.030N*	P=0.163N	P=0.035N*
POLY 6	P=0.164N	P=0.030N*	P=0.172N	P=0.071N
COCH-ARM / FISHERS	P=0.058N	P=0.039N*	P=0.171N	P=0.020N*
MAX-ISO-POLY-3	P=0.055N	P=0.017N*	P=0.111N	P=0.038N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Intestine Small: Jejunum Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.78	0/44.36	0/42.76	1/35.63
POLY-3 PERCENT (g)	0%	0%	0%	2.8%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	688
HC TUMORS SAME ROUTE	1/148 (1%)			
HC TUMORS ALL ROUTES	4/1448 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.186	(e)	(e)	P=0.464
POLY 1.5	P=0.194	(e)	(e)	P=0.477
POLY 6	P=0.177	(e)	(e)	P=0.449
COCH-ARM / FISHERS	P=0.214	(e)	(e)	P=0.500
MAX-ISO-POLY-3	P=0.126	(e)	(e)	P=0.158
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTES	(e)	(e)	(e)	(e)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Intestine Small: Site Unspecified Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.78	0/44.36	0/42.76	2/35.63
POLY-3 PERCENT (g)	0%	0%	0%	5.6%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	688
HC TUMORS SAME ROUTE	1/148 (1%)			
HC TUMORS ALL ROUTES	5/1448 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.032*	(e)	(e)	P=0.199
POLY 1.5	P=0.034*	(e)	(e)	P=0.212
POLY 6	P=0.030*	(e)	(e)	P=0.184
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.075
HISTCONT SAME RTE	P=0.042*	(e)	(e)	P=0.097
HISTCONT ALL RTEs	P=0.007**	(e)	(e)	P=0.006**

TDMS No. 88148 - 07
 Test Type: CHRONIC
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 Species/Strain: MICE/B6C3F1

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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Intestine Small: Site Unspecified Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.78	0/44.36	0/42.76	2/35.63
POLY-3 PERCENT (g)	0%	0%	0%	5.6%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	688
HC TUMORS SAME ROUTE	1/148 (1%)			
HC TUMORS ALL ROUTES	8/1448 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.032*	(e)	(e)	P=0.199
POLY 1.5	P=0.034*	(e)	(e)	P=0.212
POLY 6	P=0.030*	(e)	(e)	P=0.184
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.075
HISTCONT SAME RTE	P=0.042*	(e)	(e)	P=0.097
HISTCONT ALL RTEs	P=0.032*	(e)	(e)	P=0.021*

TDMS No. 88148 - 07
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Islets, Pancreatic Carcinoma				
TUMOR RATES				
OVERALL (a)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.26	0/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	2.4%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	716	---	---	---
HC TUMORS SAME ROUTE	0/146 (0%)			
HC TUMORS ALL ROUTES	4/1429 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.466N	P=0.490N	P=0.498N	P=0.535N
POLY 1.5	P=0.472N	P=0.490N	P=0.496N	P=0.521N
POLY 6	P=0.456N	P=0.494N	P=0.501N	P=0.552N
COCH-ARM / FISHERS	P=0.473N	P=0.495N	P=0.495N	P=0.495N
MAX-ISO-POLY-3	P=0.191N	P=0.157N	P=0.157N	P=0.202N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.36	0/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	705	---	---	---
HC TUMORS SAME ROUTE	0/146 (0%)			
HC TUMORS ALL ROUTES	14/1429 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.245N	P=0.227N	P=0.235N	P=0.279N
POLY 1.5	P=0.246N	P=0.226N	P=0.233N	P=0.261N
POLY 6	P=0.239N	P=0.231N	P=0.239N	P=0.302N
COCH-ARM / FISHERS	P=0.240N	P=0.242N	P=0.242N	P=0.242N
MAX-ISO-POLY-3	P=0.073N	P=0.075N	P=0.075N	P=0.116N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.19	0/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/148 (0%)			
HC TUMORS ALL ROUTES	13/1445 (1%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.19	0/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/148 (0%)			
HC TUMORS ALL ROUTES	4/1445 (0%)			
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE	(e)	(e)	(e)	(e)
HISTCONT ALL RTEs	(e)	(e)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	9/50 (18%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	3/42.44	9/44.84	3/43.14	3/35.75
POLY-3 PERCENT (g)	7.1%	20.1%	7%	8.4%
TERMINAL (d)	2/35 (6%)	7/30 (23%)	2/32 (6%)	2/19 (11%)
FIRST INCIDENCE	667	661	623	652
HC TUMORS SAME ROUTE	30/148 (20%)			
HC TUMORS ALL ROUTES	393/1445 (27%)			
STATISTICAL TESTS				
POLY 3	P=0.312N	P=0.071	P=0.655N	P=0.581
POLY 1.5	P=0.276N	P=0.072	P=0.652N	P=0.615
POLY 6	P=0.356N	P=0.067	P=0.663N	P=0.539
COCH-ARM / FISHERS	P=0.214N	P=0.065	P=0.651N	P=0.651N
MAX-ISO-POLY-3	P=0.354N	P=0.040*	P=0.491N	P=0.419
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	2/49 (4%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/42.26	2/44.57	1/42.76	2/35.46
POLY-3 PERCENT (g)	4.7%	4.5%	2.3%	5.6%
TERMINAL (d)	1/35 (3%)	1/30 (3%)	1/32 (3%)	2/19 (11%)
FIRST INCIDENCE	716	677	731 (T)	731 (T)
HC TUMORS SAME ROUTE	9/148 (6%)			
HC TUMORS ALL ROUTES	135/1445 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.544	P=0.675N	P=0.496N	P=0.629
POLY 1.5	P=0.570	P=0.674N	P=0.493N	P=0.656
POLY 6	P=0.514	P=0.680N	P=0.502N	P=0.595
COCH-ARM / FISHERS	P=0.624	P=0.684N	P=0.492N	P=0.684N
MAX-ISO-POLY-3	P=0.577	P=0.478N	P=0.277N	P=0.433
HISTCONT SAME RTE	P=0.703	P=1.000	P=1.000	P=0.574
HISTCONT ALL RTEs	P=0.679	P=1.000	P=1.000	P=0.551

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	2/49 (4%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	2/42.26	2/44.57	1/42.76	2/35.46
POLY-3 PERCENT (g)	4.7%	4.5%	2.3%	5.6%
TERMINAL (d)	1/35 (3%)	1/30 (3%)	1/32 (3%)	2/19 (11%)
FIRST INCIDENCE	716	677	731 (T)	731 (T)
HC TUMORS SAME ROUTE	9/148 (6%)			
HC TUMORS ALL ROUTES	138/1445 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.544	P=0.675N	P=0.496N	P=0.629
POLY 1.5	P=0.570	P=0.674N	P=0.493N	P=0.656
POLY 6	P=0.514	P=0.680N	P=0.502N	P=0.595
COCH-ARM / FISHERS	P=0.624	P=0.684N	P=0.492N	P=0.684N
MAX-ISO-POLY-3	P=0.577	P=0.478N	P=0.277N	P=0.433
HISTCONT SAME RTE	P=0.703	P=1.000	P=1.000	P=0.574
HISTCONT ALL RTEs	P=0.679	P=1.000	P=1.000	P=0.551

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	4/49 (8%)	11/50 (22%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	4/42.50	11/45.05	4/43.14	4/35.75
POLY-3 PERCENT (g)	9.4%	24.4%	9.3%	11.2%
TERMINAL (d)	2/35 (6%)	8/30 (27%)	3/32 (9%)	3/19 (16%)
FIRST INCIDENCE	667	661	623	652
HC TUMORS SAME ROUTE	37/148 (25%)			
HC TUMORS ALL ROUTES	477/1445 (33%)			
STATISTICAL TESTS				
POLY 3	P=0.305N	P=0.055	P=0.636N	P=0.546
POLY 1.5	P=0.263N	P=0.056	P=0.631N	P=0.586
POLY 6	P=0.358N	P=0.051	P=0.643	P=0.495
COCH-ARM / FISHERS	P=0.194N	P=0.049*	P=0.631N	P=0.631N
MAX-ISO-POLY-3	P=0.344N	P=0.033*	P=0.490N	P=0.405
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	4/49 (8%)	11/50 (22%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	4/42.50	11/45.05	4/43.14	4/35.75
POLY-3 PERCENT (g)	9.4%	24.4%	9.3%	11.2%
TERMINAL (d)	2/35 (6%)	8/30 (27%)	3/32 (9%)	3/19 (16%)
FIRST INCIDENCE	667	661	623	652
HC TUMORS SAME ROUTE	37/148 (25%)			
HC TUMORS ALL ROUTES	478/1445 (33%)			
STATISTICAL TESTS				
POLY 3	P=0.305N	P=0.055	P=0.636N	P=0.546
POLY 1.5	P=0.263N	P=0.056	P=0.631N	P=0.586
POLY 6	P=0.358N	P=0.051	P=0.643	P=0.495
COCH-ARM / FISHERS	P=0.194N	P=0.049*	P=0.631N	P=0.631N
MAX-ISO-POLY-3	P=0.344N	P=0.033*	P=0.490N	P=0.405
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	6/50 (12%)	4/50 (8%)	7/50 (14%)
POLY-3 RATE (b)	3/42.44	6/44.47	4/43.54	7/36.36
POLY-3 PERCENT (g)	7.1%	13.5%	9.2%	19.3%
TERMINAL (d)	2/35 (6%)	5/30 (17%)	2/32 (6%)	4/19 (21%)
FIRST INCIDENCE	667	703	536	603
HC TUMORS SAME ROUTE	9/147 (6%)			
HC TUMORS ALL ROUTES	69/1447 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.117	P=0.265	P=0.514	P=0.100
POLY 1.5	P=0.140	P=0.268	P=0.516	P=0.120
POLY 6	P=0.096	P=0.254	P=0.508	P=0.079
COCH-ARM / FISHERS	P=0.199	P=0.254	P=0.511	P=0.167
MAX-ISO-POLY-3	P=0.109	P=0.168	P=0.361	P=0.066
HISTCONT SAME RTE	P=0.121	P=0.163	P=0.387	P=0.085
HISTCONT ALL RTEs	P=0.009**	P=0.092	P=0.305	P=0.037*

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/42.19	2/44.36	1/42.76	4/35.94
POLY-3 PERCENT (g)	0%	4.5%	2.3%	11.1%
TERMINAL (d)	0/35 (0%)	2/30 (7%)	1/32 (3%)	1/19 (5%)
FIRST INCIDENCE	---	731 (T)	731 (T)	648
HC TUMORS SAME ROUTE	4/147 (3%)			
HC TUMORS ALL ROUTES	59/1447 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.031*	P=0.248	P=0.503	P=0.042*
POLY 1.5	P=0.036*	P=0.249	P=0.504	P=0.049*
POLY 6	P=0.026*	P=0.244	P=0.499	P=0.035*
COCH-ARM / FISHERS	P=0.049*	P=0.253	P=0.505	P=0.061
MAX-ISO-POLY-3	P=0.022*	P=0.086	P=0.161	P=0.019*
HISTCONT SAME RTE	P=0.028*	P=0.112	P=0.214	P=0.022*
HISTCONT ALL RTEs	P=0.025*	P=0.098	P=0.191	P=0.019*

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	3/49 (6%)	8/50 (16%)	5/50 (10%)	10/50 (20%)
POLY-3 RATE (b)	3/42.44	8/44.47	5/43.54	10/36.67
POLY-3 PERCENT (g)	7.1%	18%	11.5%	27.3%
TERMINAL (d)	2/35 (6%)	7/30 (23%)	3/32 (9%)	5/19 (26%)
FIRST INCIDENCE	667	703	536	603
HC TUMORS SAME ROUTE	13/147 (9%)			
HC TUMORS ALL ROUTES	124/1447 (9%)			
STATISTICAL TESTS				
POLY 3	P=0.028*	P=0.112	P=0.370	P=0.015*
POLY 1.5	P=0.038*	P=0.115	P=0.372	P=0.021*
POLY 6	P=0.021*	P=0.104	P=0.364	P=0.010**
COCH-ARM / FISHERS	P=0.068	P=0.106	P=0.369	P=0.039*
MAX-ISO-POLY-3	P=0.019*	P=0.065	P=0.244	P=0.011*
HISTCONT SAME RTE	P=0.023*	P=0.085	P=0.328	P=0.012*
HISTCONT ALL RTEs	P=0.006**	P=0.074	P=0.300	P=0.011*

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Lung				
Cystic Keratinizing Epithelioma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.19	0/44.36	0/42.76	2/35.63
POLY-3 PERCENT (g)	0%	0%	0%	5.6%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	---	---	---	688
HC TUMORS SAME ROUTE	0/147 (0%)			
HC TUMORS ALL ROUTES	0/1447 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.032*	(e)	(e)	P=0.201
POLY 1.5	P=0.035*	(e)	(e)	P=0.215
POLY 6	P=0.030*	(e)	(e)	P=0.186
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.035*	(e)	(e)	P=0.076
HISTCONT SAME RTE	P=0.043*	(e)	(e)	P=0.099
HISTCONT ALL RTEs	P<0.001**	(e)	(e)	P<0.001**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Ovary				
Cystadenoma				
TUMOR RATES				
OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.19	0/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	4.7%	0%	0%	0%
TERMINAL (d)	2/35 (6%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	731 (T)	---	---	---
HC TUMORS SAME ROUTE	6/147 (4%)			
HC TUMORS ALL ROUTES	65/1419 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.245N	P=0.226N	P=0.234N	P=0.278N
POLY 1.5	P=0.247N	P=0.225N	P=0.232N	P=0.261N
POLY 6	P=0.240N	P=0.229N	P=0.238N	P=0.300N
COCH-ARM / FISHERS	P=0.240N	P=0.242N	P=0.242N	P=0.242N
MAX-ISO-POLY-3	P=0.072N	P=0.074N	P=0.075N	P=0.115N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	1/49 (2%)	1/49 (2%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	1/42.43	1/43.36	3/42.76	0/35.46
POLY-3 PERCENT (g)	2.4%	2.3%	7%	0%
TERMINAL (d)	0/35 (0%)	1/29 (3%)	3/32 (9%)	0/19 (0%)
FIRST INCIDENCE	669	731 (T)	731 (T)	---
HC TUMORS SAME ROUTE	7/146 (5%)			
HC TUMORS ALL ROUTES	103/1415 (7%)			
STATISTICAL TESTS				
POLY 3	P=0.426N	P=0.756N	P=0.308	P=0.536N
POLY 1.5	P=0.394N	P=0.754N	P=0.312	P=0.521N
POLY 6	P=0.464N	P=0.760	P=0.300	P=0.553N
COCH-ARM / FISHERS	P=0.332N	P=0.753N	P=0.316	P=0.495N
MAX-ISO-POLY-3	P=0.307N	P=0.493N	P=0.156	P=0.203N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skeletal Muscle				
Rhabdomyosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/43.33	0/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	4.6%	0%	0%	0%
TERMINAL (d)	1/35 (3%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	558	---	---	---
HC TUMORS SAME ROUTE	0/148 (0%)			
HC TUMORS ALL ROUTES	1/1448 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.246N	P=0.232N	P=0.240N	P=0.284N
POLY 1.5	P=0.248N	P=0.231N	P=0.238N	P=0.267N
POLY 6	P=0.241N	P=0.236N	P=0.244N	P=0.307N
COCH-ARM / FISHERS	P=0.242N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.079N	P=0.076N	P=0.079N	P=0.121N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	7/50 (14%)	6/50 (12%)	8/50 (16%)
POLY-3 RATE (b)	1/43.21	7/45.14	6/44.04	8/37.79
POLY-3 PERCENT (g)	2.3%	15.5%	13.6%	21.2%
TERMINAL (d)	0/35 (0%)	3/30 (10%)	3/32 (9%)	2/19 (11%)
FIRST INCIDENCE	606	661	477	477
HC TUMORS SAME ROUTE	7/148 (5%)			
HC TUMORS ALL ROUTES	76/1448 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.037*	P=0.034*	P=0.058	P=0.008**
POLY 1.5	P=0.046*	P=0.034*	P=0.058	P=0.010**
POLY 6	P=0.028*	P=0.034*	P=0.057	P=0.006**
COCH-ARM / FISHERS	P=0.075	P=0.030*	P=0.056	P=0.015*
MAX-ISO-POLY-3	P=0.016*	P=0.016*	P=0.026*	P=0.004**
HISTCONT SAME RTE	P=0.019*	P=0.019*	P=0.031*	P=0.005**
HISTCONT ALL RTEs	P=0.003**	P=0.016*	P=0.026*	P=0.004**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	6/50 (12%)	5/50 (10%)	8/50 (16%)
POLY-3 RATE (b)	1/43.21	6/45.05	5/44.04	8/37.79
POLY-3 PERCENT (g)	2.3%	13.3%	11.4%	21.2%
TERMINAL (d)	0/35 (0%)	3/30 (10%)	2/32 (6%)	2/19 (11%)
FIRST INCIDENCE	606	661	477	477
HC TUMORS SAME ROUTE	2/148 (1%)			
HC TUMORS ALL ROUTES	29/1448 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.023*	P=0.062	P=0.105	P=0.008**
POLY 1.5	P=0.028*	P=0.062	P=0.105	P=0.010**
POLY 6	P=0.018*	P=0.061	P=0.104	P=0.006**
COCH-ARM / FISHERS	P=0.047*	P=0.056	P=0.102	P=0.015*
MAX-ISO-POLY-3	P=0.012*	P=0.029*	P=0.048*	P=0.004**
HISTCONT SAME RTE	P=0.014*	P=0.035*	P=0.060	P=0.005**
HISTCONT ALL RTEs	P<0.001**	P=0.009**	P=0.023*	P=0.003**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	7/50 (14%)	5/50 (10%)	8/50 (16%)
POLY-3 RATE (b)	1/43.21	7/45.14	5/44.04	8/37.79
POLY-3 PERCENT (g)	2.3%	15.5%	11.4%	21.2%
TERMINAL (d)	0/35 (0%)	3/30 (10%)	2/32 (6%)	2/19 (11%)
FIRST INCIDENCE	606	661	477	477
HC TUMORS SAME ROUTE	7/148 (5%)			
HC TUMORS ALL ROUTES	76/1448 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.035*	P=0.034*	P=0.105	P=0.008**
POLY 1.5	P=0.043*	P=0.034*	P=0.105	P=0.010**
POLY 6	P=0.027*	P=0.034*	P=0.104	P=0.006**
COCH-ARM / FISHERS	P=0.069	P=0.030*	P=0.102	P=0.015*
MAX-ISO-POLY-3	P=0.014*	P=0.016*	P=0.048*	P=0.004**
HISTCONT SAME RTE	P=0.016*	P=0.019*	P=0.060	P=0.005**
HISTCONT ALL RTEs	P=0.005**	P=0.016*	P=0.052	P=0.004**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Skin				
Schwannoma Malignant				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/43.36	2/44.69	2/43.53	4/37.44
POLY-3 PERCENT (g)	2.3%	4.5%	4.6%	10.7%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	546	673	517	522
HC TUMORS SAME ROUTE	2/148 (1%)			
HC TUMORS ALL ROUTES	9/1448 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.089	P=0.511	P=0.501	P=0.137
POLY 1.5	P=0.099	P=0.511	P=0.502	P=0.150
POLY 6	P=0.079	P=0.506	P=0.498	P=0.123
COCH-ARM / FISHERS	P=0.126	P=0.500	P=0.500	P=0.181
MAX-ISO-POLY-3	P=0.103	P=0.292	P=0.282	P=0.072
HISTCONT SAME RTE	P=0.075	P=0.229	P=0.226	P=0.094
HISTCONT ALL RTEs	P<0.001**	P=0.047*	P=0.047*	P=0.003**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.19	1/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/35 (0%)	1/30 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	731 (T)	---	---
HC TUMORS SAME ROUTE	2/146 (1%)			
HC TUMORS ALL ROUTES	27/1429 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.576N	P=0.510	(e)	(e)
POLY 1.5	P=0.575N	P=0.511	(e)	(e)
POLY 6	P=0.578N	P=0.507	(e)	(e)
COCH-ARM / FISHERS	P=0.575N	P=0.505	(e)	(e)
MAX-ISO-POLY-3	P=0.453N	P=0.170	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Stomach, Forestomach Squamous Cell Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	0/42.78	1/44.40	1/42.96	4/35.82
POLY-3 PERCENT (g)	0%	2.3%	2.3%	11.2%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	2/19 (11%)
FIRST INCIDENCE	---	722	677	680
HC TUMORS SAME ROUTE	0/148 (0%)			
HC TUMORS ALL ROUTES	3/1448 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.011*	P=0.507	P=0.501	P=0.040*
POLY 1.5	P=0.013*	P=0.507	P=0.501	P=0.047*
POLY 6	P=0.009**	P=0.505	P=0.499	P=0.034*
COCH-ARM / FISHERS	P=0.019*	P=0.500	P=0.500	P=0.059
MAX-ISO-POLY-3	P=0.014*	P=0.168	P=0.160	P=0.018*
HISTCONT SAME RTE	P=0.017*	P=0.074	P=0.078	P=0.022*
HISTCONT ALL RTEs	P<0.001**	P=0.031*	P=0.032*	P<0.001**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Stomach, Forestomach Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	2/50 (4%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	2/43.01	2/44.40	2/43.34	4/35.82
POLY-3 PERCENT (g)	4.7%	4.5%	4.6%	11.2%
TERMINAL (d)	1/35 (3%)	1/30 (3%)	0/32 (0%)	2/19 (11%)
FIRST INCIDENCE	669	722	623	680
HC TUMORS SAME ROUTE	4/148 (3%)			
HC TUMORS ALL ROUTES	25/1448 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.150	P=0.683N	P=0.691N	P=0.257
POLY 1.5	P=0.169	P=0.682N	P=0.691N	P=0.284
POLY 6	P=0.132	P=0.689N	P=0.694N	P=0.226
COCH-ARM / FISHERS	P=0.215	P=0.691N	P=0.691N	P=0.339
MAX-ISO-POLY-3	P=0.225	P=0.487N	P=0.496N	P=0.161
HISTCONT SAME RTE	P=0.061	P=0.274	P=0.263	P=0.101
HISTCONT ALL RTEs	P<0.001**	P=0.135	P=0.130	P=0.005**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Stomach, Forestomach Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/43.01	1/44.36	1/43.14	0/35.46
POLY-3 PERCENT (g)	4.7%	2.3%	2.3%	0%
TERMINAL (d)	1/35 (3%)	1/30 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	669	731 (T)	623	---
HC TUMORS SAME ROUTE	4/148 (3%)			
HC TUMORS ALL ROUTES	22/1448 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.232N	P=0.489N	P=0.499N	P=0.282N
POLY 1.5	P=0.220N	P=0.488N	P=0.498N	P=0.265N
POLY 6	P=0.243N	P=0.495N	P=0.502N	P=0.304N
COCH-ARM / FISHERS	P=0.194N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.195N	P=0.274N	P=0.280N	P=0.119N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Thyroid Gland: Follicular Cell Adenoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.19	2/44.79	0/42.76	0/35.46
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	673	---	---
HC TUMORS SAME ROUTE	2/147 (1%)			
HC TUMORS ALL ROUTES	25/1434 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.382N	P=0.251	(e)	(e)
POLY 1.5	P=0.375N	P=0.250	(e)	(e)
POLY 6	P=0.392N	P=0.248	(e)	(e)
COCH-ARM / FISHERS	P=0.367N	P=0.253	(e)	(e)
MAX-ISO-POLY-3	P=0.334N	P=0.088	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Thyroid Gland: Follicular Cell Carcinoma				
TUMOR RATES				
OVERALL (a)	2/49 (4%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.43	0/44.36	0/42.76	1/35.46
POLY-3 PERCENT (g)	4.7%	0%	0%	2.8%
TERMINAL (d)	1/35 (3%)	0/30 (0%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	669	---	---	731 (T)
HC TUMORS SAME ROUTE	1/147 (1%)			
HC TUMORS ALL ROUTES	5/1434 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.663N	P=0.227N	P=0.235N	P=0.562N
POLY 1.5	P=0.662N	P=0.226N	P=0.233N	P=0.537N
POLY 6	P=0.660N	P=0.232N	P=0.240N	P=0.593N
COCH-ARM / FISHERS	P=0.647N	P=0.242N	P=0.242N	P=0.492N
MAX-ISO-POLY-3	P=0.208N	P=0.075N	P=0.075N	P=0.347N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Thyroid Gland: Follicular Cell Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/49 (4%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/42.43	2/44.79	0/42.76	1/35.46
POLY-3 PERCENT (g)	4.7%	4.5%	0%	2.8%
TERMINAL (d)	1/35 (3%)	0/30 (0%)	0/32 (0%)	1/19 (5%)
FIRST INCIDENCE	669	673	---	731 (T)
HC TUMORS SAME ROUTE	3/147 (2%)			
HC TUMORS ALL ROUTES	30/1434 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.414N	P=0.675N	P=0.235N	P=0.562N
POLY 1.5	P=0.404N	P=0.674N	P=0.233N	P=0.537N
POLY 6	P=0.425N	P=0.680N	P=0.240N	P=0.593N
COCH-ARM / FISHERS	P=0.378N	P=0.684N	P=0.242N	P=0.492N
MAX-ISO-POLY-3	P=0.355N	P=0.477N	P=0.075N	P=0.347N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Urethra Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.78	0/44.36	0/42.76	2/35.64
POLY-3 PERCENT (g)	0%	0%	0%	5.6%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	---	---	688
HC TUMORS SAME ROUTE	0/148 (0%)			
HC TUMORS ALL ROUTES	0/1448 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.032*	(e)	(e)	P=0.199
POLY 1.5	P=0.034*	(e)	(e)	P=0.212
POLY 6	P=0.030*	(e)	(e)	P=0.184
COCH-ARM / FISHERS	P=0.042*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.034*	(e)	(e)	P=0.075
HISTCONT SAME RTE	P=0.042*	(e)	(e)	P=0.097
HISTCONT ALL RTEs	P<0.001**	(e)	(e)	P<0.001**

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
 Time Report Requested: 14:57:52
 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
Uterus				
Sarcoma Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.78	2/44.96	1/43.48	0/35.46
POLY-3 PERCENT (g)	0%	4.5%	2.3%	0%
TERMINAL (d)	0/35 (0%)	1/30 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	542	477	---
HC TUMORS SAME ROUTE	1/148 (1%)			
HC TUMORS ALL ROUTES	3/1448 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.427N	P=0.248	P=0.503	(e)
POLY 1.5	P=0.409N	P=0.247	P=0.503	(e)
POLY 6	P=0.448N	P=0.247	P=0.502	(e)
COCH-ARM / FISHERS	P=0.378N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.389	P=0.087	P=0.163	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTEs	(h)	(h)	(h)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.78	1/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/35 (0%)	1/30 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	---	731 (T)	---	---
HC TUMORS SAME ROUTE	5/148 (3%)			
HC TUMORS ALL ROUTES	68/1448 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.577N	P=0.507	(e)	(e)
POLY 1.5	P=0.576N	P=0.507	(e)	(e)
POLY 6	P=0.578N	P=0.505	(e)	(e)
COCH-ARM / FISHERS	P=0.576N	P=0.500	(e)	(e)
MAX-ISO-POLY-3	P=0.454N	P=0.168	(e)	(e)
HISTCONT SAME RTE	(h)	(h)	(e)	(e)
HISTCONT ALL RTEs	(h)	(h)	(e)	(e)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
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 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.78	1/44.36	0/42.76	0/35.46
POLY-3 PERCENT (g)	2.3%	2.3%	0%	0%
TERMINAL (d)	1/35 (3%)	1/30 (3%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	731 (T)	731 (T)	---	---
HC TUMORS SAME ROUTE	8/148 (5%)			
HC TUMORS ALL ROUTES	88/1448 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.315N	P=0.753N	P=0.500N	P=0.537N
POLY 1.5	P=0.312N	P=0.753N	P=0.499N	P=0.524N
POLY 6	P=0.317N	P=0.756N	P=0.502N	P=0.553N
COCH-ARM / FISHERS	P=0.303N	P=0.753N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.331N	P=0.489N	P=0.159N	P=0.204N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
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Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/43.30	2/45.41	1/43.45	2/36.61
POLY-3 PERCENT (g)	2.3%	4.4%	2.3%	5.5%
TERMINAL (d)	0/35 (0%)	0/30 (0%)	0/32 (0%)	0/19 (0%)
FIRST INCIDENCE	569	459	491	485
HC TUMORS SAME ROUTE	3/148 (2%)			
HC TUMORS ALL ROUTES	38/1448 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.408	P=0.517	P=0.760N	P=0.442
POLY 1.5	P=0.430	P=0.515	P=0.759N	P=0.462
POLY 6	P=0.383	P=0.514	P=0.759	P=0.418
COCH-ARM / FISHERS	P=0.479	P=0.500	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.404	P=0.298	P=0.498N	P=0.250
HISTCONT SAME RTE	P=0.467	P=0.396	P=0.640	P=0.337
HISTCONT ALL RTEs	P=0.473	P=0.375	P=1.000	P=0.309

TDMS No. 88148 - 07
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 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 3,3',4,4'-Tetrachloroazobenzene
 CAS Number: 14047-09-7

Date Report Requested: 04/24/2009
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 First Dose M/F: 02/04/03 / 02/03/03
 Lab: BAT

**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	5/50 (10%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	2/42.78	5/44.95	8/44.01	7/37.45
POLY-3 PERCENT (g)	4.7%	11.1%	18.2%	18.7%
TERMINAL (d)	2/35 (6%)	1/30 (3%)	5/32 (16%)	3/19 (16%)
FIRST INCIDENCE	731 (T)	664	541	50
HC TUMORS SAME ROUTE	24/148 (16%)			
HC TUMORS ALL ROUTES	305/1448 (21%)			
STATISTICAL TESTS				
POLY 3	P=0.065	P=0.236	P=0.049*	P=0.050*
POLY 1.5	P=0.086	P=0.234	P=0.048*	P=0.061
POLY 6	P=0.047*	P=0.235	P=0.049*	P=0.038*
COCH-ARM / FISHERS	P=0.129	P=0.218	P=0.046*	P=0.080
MAX-ISO-POLY-3	P=0.070	P=0.138	P=0.025*	P=0.029*
HISTCONT SAME RTE	P=0.088	P=0.185	P=0.029*	P=0.035*
HISTCONT ALL RTEs	P=0.081	P=0.164	P=0.025*	P=0.031*

TDMS No. 88148 - 07
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	24/50 (48%)	23/50 (46%)	20/50 (40%)	17/50 (34%)
POLY-3 RATE (b)	24/45.98	23/46.05	20/44.83	17/38.00
POLY-3 PERCENT (g)	52.2%	49.9%	44.6%	44.7%
TERMINAL (d)	17/35 (49%)	16/30 (53%)	15/32 (47%)	9/19 (47%)
FIRST INCIDENCE	269	596	477	541
HC TUMORS SAME ROUTE	68/148 (46%)			
HC TUMORS ALL ROUTES	728/1448 (50%)			
STATISTICAL TESTS				
POLY 3	P=0.286N	P=0.497N	P=0.302N	P=0.320N
POLY 1.5	P=0.207N	P=0.482N	P=0.288N	P=0.234N
POLY 6	P=0.376N	P=0.523N	P=0.326N	P=0.423N
COCH-ARM / FISHERS	P=0.081N	P=0.500N	P=0.273N	P=0.111N
MAX-ISO-POLY-3	P=0.430N	P=0.411N	P=0.235N	P=0.264N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)

TDMS No. 88148 - 07
 Test Type: CHRONIC
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	13/50 (26%)	23/50 (46%)	21/50 (42%)	34/50 (68%)
POLY-3 RATE (b)	13/45.59	23/48.25	21/47.58	34/45.55
POLY-3 PERCENT (g)	28.5%	47.7%	44.1%	74.6%
TERMINAL (d)	6/35 (17%)	8/30 (27%)	10/32 (31%)	10/19 (53%)
FIRST INCIDENCE	546	459	477	50
HC TUMORS SAME ROUTE	55/148 (37%)			
HC TUMORS ALL ROUTES	703/1448 (49%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.043*	P=0.086	P<0.001**
POLY 1.5	P<0.001**	P=0.040*	P=0.081	P<0.001**
POLY 6	P<0.001**	P=0.043*	P=0.088	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.030*	P=0.069	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.030*	P=0.061	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.035*	P=0.078	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P=0.031*	P=0.067	P<0.001**

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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	3 MG/KG	10 MG/KG	30 MG/KG
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	29/50 (58%)	37/50 (74%)	34/50 (68%)	39/50 (78%)
POLY-3 RATE (b)	29/47.61	37/48.71	34/48.13	39/45.84
POLY-3 PERCENT (g)	60.9%	76%	70.6%	85.1%
TERMINAL (d)	18/35 (51%)	21/30 (70%)	21/32 (66%)	14/19 (74%)
FIRST INCIDENCE	269	459	477	50
HC TUMORS SAME ROUTE	104/148 (70%)			
HC TUMORS ALL ROUTES	1093/1448 (76%)			
STATISTICAL TESTS				
POLY 3	P=0.017*	P=0.081	P=0.213	P=0.006**
POLY 1.5	P=0.024*	P=0.084	P=0.209	P=0.009**
POLY 6	P=0.013*	P=0.076	P=0.214	P=0.004**
COCH-ARM / FISHERS	P=0.063	P=0.069	P=0.204	P=0.026*
MAX-ISO-POLY-3	P=0.007**	P=0.054	P=0.157	P=0.003**
HISTCONT SAME RTE	P=0.008**	P=0.069	P=0.211	P=0.004**
HISTCONT ALL RTEs	P=0.007**	P=0.060	P=0.188	P=0.003**

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of Statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (h) Value of Historical Controls statistic is only calculated when Poly-3 trend is positive and when there is more than one tumor in the treatment groups.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***