

TDMS No. 20107 - 04
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

F1_M3

C Number: C20107
Lock Date: 02/26/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.0
PWG Approval Date: NONE

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HISTORICAL CONTROL STUDIES

From March 2010 report

SAME ROUTE

88105-04 -- Isoeugenol (GAVAGE CORN OIL)
20007-06 -- Kava kava extract (GAVAGE CORN OIL)
99023-04 -- beta-Myrcene (GAVAGE CORN OIL)
99020-06 -- Pulegone (GAVAGE CORN OIL)
88148-07 -- 3,3',4,4'-Tetrachloroazobenzene (GAVAGE CORN OIL)

ALL ROUTES

99024-08 -- Androstenedione (GAVAGE METHYLCELLULOSE)
99037-06 -- alpha/beta Thujone mixture (GAVAGE METHYLCELLULOSE)
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)
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)
20007-06 -- Kava kava extract (GAVAGE CORN OIL)
95003-06 -- Methyl trans-styryl ketone (SKIN ETHANOL)
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)
20114-06 -- Sodium dichromate dihydrate (VI) (ORAL WATER)

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88148-07 -- 3,3',4,4'-Tetrachloroazobenzene (GAVAGE CORN OIL)

93025-06 -- Tetralin (INHALATION AIR)

96019-06 -- Water disinfection byproducts (Bromochloroacetic 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
Islets, Pancreatic
Liver
Lung
Ovary
Pituitary Gland
Spleen

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF N,N-DIMETHYL-P-TOLUIDINE

MALE MICE

Organ

Harderian Gland

Liver

Tooth

All Organs

Morphology

Adenoma

Carcinoma or Adenoma

Hepatoblastoma

Hepatocellular Adenoma

Hepatocellular Carcinoma

Hepatocellular Carcinoma or Hepatoblastoma

Hepatocellular Carcinoma or Hepatocellular Adenoma

Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

Odontoma

Hemangiosarcoma

Hemangiosarcoma or Hemangioma

Malignant Tumors

Malignant and Benign Tumors

FEMALE MICE

Organ

Harderian Gland

Liver

Lung

Pituitary Gland: Pars Intermedia

Stomach, Forestomach

Uterus

All Organs

Morphology

Adenoma

Carcinoma or Adenoma

Hepatoblastoma

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

Adenoma

Squamous Cell Carcinoma or Papilloma Squamous

Squamous Cell Papilloma

Sarcoma Stromal or Polyp Stromal

Histiocytic Sarcoma

Benign Tumors

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF N,N-DIMETHYL-P-TOLUIDINE

Malignant Tumors
Malignant and Benign Tumors

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Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	5/50 (10%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	3/43.81	5/45.25	1/42.68	2/44.58
POLY-3 PERCENT (g)	6.9%	11.1%	2.3%	4.5%
TERMINAL (d)	1/34 (3%)	5/36 (14%)	1/31 (3%)	2/36 (6%)
FIRST INCIDENCE	561	730 (T)	730 (T)	730 (T)
HC TUMORS SAME ROUTE	9/250 (4%)			
HC TUMORS ALL ROUTES	77/1244 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.263N	P=0.374	P=0.314N	P=0.492N
POLY 1.5	P=0.260N	P=0.380	P=0.303N	P=0.487N
POLY 6	P=0.266N	P=0.365	P=0.329N	P=0.500N
COCH-ARM / FISHERS	P=0.269N	P=0.357	P=0.309N	P=0.500N
MAX-ISO-POLY-3	P=0.231N	P=0.249	P=0.164N	P=0.318N
HISTCONT SAME RTE	P=0.512	P=0.040*	P=1.000	P=1.000
HISTCONT ALL RTEs	P=1.000	P=0.228	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.424			
CURR VS HC ALL RTEs	P=0.996			

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Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.79	0/45.25	0/42.68	1/44.58
POLY-3 PERCENT (g)	0%	0%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	1/36 (3%)
FIRST INCIDENCE	---	---	---	730 (T)
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	5/1235 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	11/50 (22%)	7/50 (14%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	11/43.49	7/45.94	4/43.52	2/44.58
POLY-3 PERCENT (g)	25.3%	15.2%	9.2%	4.5%
TERMINAL (d)	8/34 (24%)	5/36 (14%)	3/31 (10%)	2/36 (6%)
FIRST INCIDENCE	584	599	402	730 (T)
HC TUMORS SAME ROUTE	34/250 (14%)			
HC TUMORS ALL ROUTES	163/1250 (13%)			
STATISTICAL TESTS				
POLY 3	P=0.008N**	P=0.178N	P=0.042N*	P=0.006N**
POLY 1.5	P=0.008N**	P=0.179N	P=0.038N*	P=0.005N**
POLY 6	P=0.008N**	P=0.178N	P=0.047N*	P=0.006N**
COCH-ARM / FISHERS	P=0.009N**	P=0.218N	P=0.045N*	P=0.007N**
MAX-ISO-POLY-3	P=0.004N**	P=0.124N	P=0.022N*	P=0.002N**
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.093			
CURR VS HC ALL RTES	P=0.048*			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.79	1/45.36	1/43.45	0/44.58
POLY-3 PERCENT (g)	0%	2.2%	2.3%	0%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	702	449	---
HC TUMORS SAME ROUTE	6/250 (2%)			
HC TUMORS ALL ROUTES	40/1250 (3%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	11/50 (22%)	8/50 (16%)	5/50 (10%)	2/50 (4%)
POLY-3 RATE (b)	11/43.49	8/46.05	5/44.28	2/44.58
POLY-3 PERCENT (g)	25.3%	17.4%	11.3%	4.5%
TERMINAL (d)	8/34 (24%)	5/36 (14%)	3/31 (10%)	2/36 (6%)
FIRST INCIDENCE	584	599	402	730 (T)
HC TUMORS SAME ROUTE	39/250 (16%)			
HC TUMORS ALL ROUTES	198/1250 (16%)			
STATISTICAL TESTS				
POLY 3	P=0.006N**	P=0.255N	P=0.075N	P=0.006N**
POLY 1.5	P=0.006N**	P=0.257N	P=0.071N	P=0.005N**
POLY 6	P=0.007N**	P=0.254N	P=0.082N	P=0.006N**
COCH-ARM / FISHERS	P=0.007N**	P=0.306N	P=0.086N	P=0.007N**
MAX-ISO-POLY-3	P=0.005N**	P=0.187N	P=0.044N*	P=0.002N**
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.231			
CURR VS HC ALL RTEs	P=0.193			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Intestine Small: Site Unspecified Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/42.79	1/45.25	0/42.68	2/44.58
POLY-3 PERCENT (g)	0%	2.2%	0%	4.5%
TERMINAL (d)	0/34 (0%)	1/36 (3%)	0/31 (0%)	2/36 (6%)
FIRST INCIDENCE	---	730 (T)	---	730 (T)
HC TUMORS SAME ROUTE	5/250 (2%)			
HC TUMORS ALL ROUTES	32/1250 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.157	P=0.511	(e)	P=0.246
POLY 1.5	P=0.157	P=0.511	(e)	P=0.247
POLY 6	P=0.156	P=0.511	(e)	P=0.245
COCH-ARM / FISHERS	P=0.151	P=0.500	(e)	P=0.247
MAX-ISO-POLY-3	P=0.092	P=0.173	(e)	P=0.085
HISTCONT SAME RTE	P=0.347	P=1.000	(e)	P=0.363
HISTCONT ALL RTES	P=0.504	P=1.000	(e)	P=0.418
CURR VS HC SAME RTE	P=0.372			
CURR VS HC ALL RTES	P=0.313			

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DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/42.79	2/45.25	0/42.68	0/44.58
POLY-3 PERCENT (g)	2.3%	4.4%	0%	0%
TERMINAL (d)	1/34 (3%)	2/36 (6%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	730 (T)	730 (T)	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	20/1243 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.203N	P=0.520	P=0.500N	P=0.492N
POLY 1.5	P=0.203N	P=0.520	P=0.496N	P=0.491N
POLY 6	P=0.202N	P=0.519	P=0.506N	P=0.492N
COCH-ARM / FISHERS	P=0.209N	P=0.500	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.186N	P=0.302	P=0.159N	P=0.158N
HISTCONT SAME RTE	P=0.340	P=0.020*	(e)	(e)
HISTCONT ALL RTEs	P=1.000	P=0.205	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.017*			
CURR VS HC ALL RTEs	P=0.797			

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DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/42.80	2/45.25	0/42.68	0/44.58
POLY-3 PERCENT (g)	4.7%	4.4%	0%	0%
TERMINAL (d)	1/34 (3%)	2/36 (6%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	726	730 (T)	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	24/1243 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.119N	P=0.674N	P=0.238N	P=0.228N
POLY 1.5	P=0.119N	P=0.674N	P=0.233N	P=0.228N
POLY 6	P=0.119N	P=0.675N	P=0.243N	P=0.229N
COCH-ARM / FISHERS	P=0.122N	P=0.691N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.123N	P=0.477N	P=0.076N	P=0.076N
HISTCONT SAME RTE	P=0.645	P=0.125	P=1.000	P=1.000
HISTCONT ALL RTEs	P=1.000	P=0.267	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.070			
CURR VS HC ALL RTEs	P=0.287			

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	6/50 (12%)	2/50 (4%)	9/50 (18%)	3/50 (6%)
POLY-3 RATE (b)	6/43.00	2/45.39	9/43.66	3/45.21
POLY-3 PERCENT (g)	14%	4.4%	20.6%	6.6%
TERMINAL (d)	4/34 (12%)	1/36 (3%)	5/31 (16%)	1/36 (3%)
FIRST INCIDENCE	678	694	597	623
HC TUMORS SAME ROUTE	12/250 (5%)			
HC TUMORS ALL ROUTES	41/1248 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.333N	P=0.115N	P=0.296	P=0.217N
POLY 1.5	P=0.336N	P=0.116N	P=0.307	P=0.219N
POLY 6	P=0.328N	P=0.116N	P=0.286	P=0.215N
COCH-ARM / FISHERS	P=0.351N	P=0.134N	P=0.288	P=0.243N
MAX-ISO-POLY-3	P=0.232N	P=0.063N	P=0.209	P=0.134N
HISTCONT SAME RTE	P=0.234	P=1.000	P=0.018*	P=1.000
HISTCONT ALL RTEs	P=0.044*	P=1.000	P<0.001**	P=0.222
CURR VS HC SAME RTE	P=0.066			
CURR VS HC ALL RTEs	P<0.001**			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	5/50 (10%)	10/50 (20%)	8/50 (16%)
POLY-3 RATE (b)	1/42.79	5/46.36	10/44.88	8/46.15
POLY-3 PERCENT (g)	2.3%	10.8%	22.3%	17.3%
TERMINAL (d)	1/34 (3%)	3/36 (8%)	4/31 (13%)	3/36 (8%)
FIRST INCIDENCE	730 (T)	539	512	580
HC TUMORS SAME ROUTE	10/250 (4%)			
HC TUMORS ALL ROUTES	50/1248 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.064	P=0.121	P=0.005**	P=0.021*
POLY 1.5	P=0.061	P=0.119	P=0.005**	P=0.020*
POLY 6	P=0.070	P=0.123	P=0.005**	P=0.023*
COCH-ARM / FISHERS	P=0.053	P=0.102	P=0.004**	P=0.015*
MAX-ISO-POLY-3	P=0.015*	P=0.062	P=0.002**	P=0.011*
HISTCONT SAME RTE	P=0.032*	P=0.069	P=0.006**	P=0.011*
HISTCONT ALL RTES	P=0.008**	P=0.145	P<0.001**	P=0.011*
CURR VS HC SAME RTE	P=0.548			
CURR VS HC ALL RTES	P=0.530			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	29/50 (58%)	34/50 (68%)	37/50 (74%)	36/50 (72%)
POLY-3 RATE (b)	29/44.16	34/46.92	37/45.70	36/47.21
POLY-3 PERCENT (g)	65.7%	72.5%	81%	76.3%
TERMINAL (d)	23/34 (68%)	28/36 (78%)	28/31 (90%)	28/36 (78%)
FIRST INCIDENCE	561	550	548	449
HC TUMORS SAME ROUTE	121/250 (48%)			
HC TUMORS ALL ROUTES	684/1248 (55%)			
STATISTICAL TESTS				
POLY 3	P=0.219	P=0.312	P=0.069	P=0.180
POLY 1.5	P=0.206	P=0.315	P=0.086	P=0.172
POLY 6	P=0.247	P=0.306	P=0.057	P=0.197
COCH-ARM / FISHERS	P=0.150	P=0.204	P=0.069	P=0.104
MAX-ISO-POLY-3	P=0.126	P=0.242	P=0.043*	P=0.132
HISTCONT SAME RTE	P=0.026*	P=0.009**	P=0.004**	P=0.006**
HISTCONT ALL RTES	P=0.025*	P=0.074	P=0.012*	P=0.031*
CURR VS HC SAME RTE	P=0.107			
CURR VS HC ALL RTES	P=0.358			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	22/50 (44%)	25/50 (50%)	30/50 (60%)	36/50 (72%)
POLY-3 RATE (b)	22/44.95	25/47.92	30/46.09	36/47.53
POLY-3 PERCENT (g)	48.9%	52.2%	65.1%	75.7%
TERMINAL (d)	16/34 (47%)	17/36 (47%)	19/31 (61%)	27/36 (75%)
FIRST INCIDENCE	548	539	442	562
HC TUMORS SAME ROUTE	72/250 (29%)			
HC TUMORS ALL ROUTES	389/1248 (31%)			
STATISTICAL TESTS				
POLY 3	P=0.002**	P=0.458	P=0.084	P=0.005**
POLY 1.5	P=0.002**	P=0.453	P=0.098	P=0.005**
POLY 6	P=0.002**	P=0.462	P=0.074	P=0.006**
COCH-ARM / FISHERS	P=0.002**	P=0.344	P=0.080	P=0.004**
MAX-ISO-POLY-3	P=0.004**	P=0.379	P=0.058	P=0.003**
HISTCONT SAME RTE	P=0.006**	P=0.021*	P=0.007**	P=0.003**
HISTCONT ALL RTEs	P<0.001**	P=0.010**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.030*			
CURR VS HC ALL RTEs	P=0.030*			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	22/50 (44%)	28/50 (56%)	34/50 (68%)	37/50 (74%)
POLY-3 RATE (b)	22/44.95	28/48.42	34/47.07	37/47.68
POLY-3 PERCENT (g)	48.9%	57.8%	72.2%	77.6%
TERMINAL (d)	16/34 (47%)	19/36 (53%)	21/31 (68%)	27/36 (75%)
FIRST INCIDENCE	548	539	442	562
HC TUMORS SAME ROUTE	79/250 (32%)			
HC TUMORS ALL ROUTES	421/1248 (34%)			
STATISTICAL TESTS				
POLY 3	P=0.003**	P=0.256	P=0.016*	P=0.003**
POLY 1.5	P=0.003**	P=0.246	P=0.018*	P=0.003**
POLY 6	P=0.003**	P=0.266	P=0.015*	P=0.003**
COCH-ARM / FISHERS	P=0.003**	P=0.159	P=0.013*	P=0.002**
MAX-ISO-POLY-3	P=0.003**	P=0.202	P=0.010**	P=0.002**
HISTCONT SAME RTE	P=0.007**	P=0.010**	P=0.004**	P=0.003**
HISTCONT ALL RTES	P<0.001**	P=0.005**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.062			
CURR VS HC ALL RTES	P=0.070			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	38/50 (76%)	44/50 (88%)	47/50 (94%)	48/50 (96%)
POLY-3 RATE (b)	38/45.73	44/48.55	47/47.98	48/48.67
POLY-3 PERCENT (g)	83.1%	90.6%	98%	98.6%
TERMINAL (d)	28/34 (82%)	34/36 (94%)	31/31 (100%)	36/36 (100%)
FIRST INCIDENCE	548	539	442	449
HC TUMORS SAME ROUTE	162/250 (65%)			
HC TUMORS ALL ROUTES	879/1248 (70%)			
STATISTICAL TESTS				
POLY 3	P=0.005**	P=0.206	P=0.010**	P=0.006**
POLY 1.5	P=0.006**	P=0.215	P=0.015*	P=0.007**
POLY 6	P=0.005**	P=0.189	P=0.008**	P=0.007**
COCH-ARM / FISHERS	P=0.007**	P=0.096	P=0.011*	P=0.004**
MAX-ISO-POLY-3	P=0.002**	P=0.133	P=0.004**	P=0.002**
HISTCONT SAME RTE	P=0.014*	P=0.011*	P=0.005**	P=0.005**
HISTCONT ALL RTES	P=0.002**	P=0.019*	P=0.002**	P=0.002**
CURR VS HC SAME RTE	P=0.049*			
CURR VS HC ALL RTES	P=0.126			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	38/50 (76%)	45/50 (90%)	48/50 (96%)	48/50 (96%)
POLY-3 RATE (b)	38/45.73	45/49.06	48/48.40	48/48.67
POLY-3 PERCENT (g)	83.1%	91.7%	99.2%	98.6%
TERMINAL (d)	28/34 (82%)	34/36 (94%)	31/31 (100%)	36/36 (100%)
FIRST INCIDENCE	548	539	442	449
HC TUMORS SAME ROUTE	165/250 (66%)			
HC TUMORS ALL ROUTES	889/1248 (71%)			
STATISTICAL TESTS				
POLY 3	P=0.006**	P=0.157	P=0.004**	P=0.006**
POLY 1.5	P=0.008**	P=0.151	P=0.006**	P=0.007**
POLY 6	P=0.006**	P=0.159	P=0.004**	P=0.007**
COCH-ARM / FISHERS	P=0.009**	P=0.054	P=0.004**	P=0.004**
MAX-ISO-POLY-3	P<0.001**	P=0.098	P<0.001**	P=0.002**
HISTCONT SAME RTE	P=0.015*	P=0.009**	P=0.005**	P=0.005**
HISTCONT ALL RTES	P=0.003**	P=0.018*	P=0.002**	P=0.002**
CURR VS HC SAME RTE	P=0.063			
CURR VS HC ALL RTES	P=0.153			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	11/50 (22%)	16/50 (32%)	18/50 (36%)	10/50 (20%)
POLY-3 RATE (b)	11/43.30	16/46.13	18/43.81	10/45.15
POLY-3 PERCENT (g)	25.4%	34.7%	41.1%	22.2%
TERMINAL (d)	9/34 (27%)	13/36 (36%)	13/31 (42%)	8/36 (22%)
FIRST INCIDENCE	643	568	609	609
HC TUMORS SAME ROUTE	34/250 (14%)			
HC TUMORS ALL ROUTES	195/1250 (16%)			
STATISTICAL TESTS				
POLY 3	P=0.204N	P=0.233	P=0.089	P=0.457N
POLY 1.5	P=0.204N	P=0.233	P=0.101	P=0.455N
POLY 6	P=0.205N	P=0.232	P=0.079	P=0.460N
COCH-ARM / FISHERS	P=0.235N	P=0.184	P=0.093	P=0.500N
MAX-ISO-POLY-3	P=0.197N	P=0.177	P=0.058	P=0.362N
HISTCONT SAME RTE	P=0.129	P=0.005**	P=0.004**	P=0.066
HISTCONT ALL RTES	P=0.085	P<0.001**	P<0.001**	P=0.222
CURR VS HC SAME RTE	P=0.089			
CURR VS HC ALL RTES	P=0.175			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	2/42.79	3/45.25	0/42.68	4/45.31
POLY-3 PERCENT (g)	4.7%	6.6%	0%	8.8%
TERMINAL (d)	2/34 (6%)	3/36 (8%)	0/31 (0%)	2/36 (6%)
FIRST INCIDENCE	730 (T)	730 (T)	---	562
HC TUMORS SAME ROUTE	15/250 (6%)			
HC TUMORS ALL ROUTES	156/1250 (13%)			
STATISTICAL TESTS				
POLY 3	P=0.271	P=0.526	P=0.237N	P=0.364
POLY 1.5	P=0.269	P=0.526	P=0.233N	P=0.362
POLY 6	P=0.275	P=0.525	P=0.243N	P=0.367
COCH-ARM / FISHERS	P=0.258	P=0.500	P=0.247N	P=0.339
MAX-ISO-POLY-3	P=0.244	P=0.350	P=0.076N	P=0.228
HISTCONT SAME RTE	P=0.351	P=1.000	P=1.000	P=0.361
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.614			
CURR VS HC ALL RTES	P=0.096			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
 Time Report Requested: 11:42:39
 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	13/50 (26%)	19/50 (38%)	18/50 (36%)	12/50 (24%)
POLY-3 RATE (b)	13/43.30	19/46.13	18/43.81	12/45.88
POLY-3 PERCENT (g)	30%	41.2%	41.1%	26.2%
TERMINAL (d)	11/34 (32%)	16/36 (44%)	13/31 (42%)	8/36 (22%)
FIRST INCIDENCE	643	568	609	562
HC TUMORS SAME ROUTE	47/250 (19%)			
HC TUMORS ALL ROUTES	335/1250 (27%)			
STATISTICAL TESTS				
POLY 3	P=0.167N	P=0.187	P=0.194	P=0.433N
POLY 1.5	P=0.176N	P=0.188	P=0.212	P=0.439N
POLY 6	P=0.157N	P=0.185	P=0.177	P=0.425N
COCH-ARM / FISHERS	P=0.218N	P=0.142	P=0.194	P=0.500N
MAX-ISO-POLY-3	P=0.218N	P=0.141	P=0.139	P=0.346N
HISTCONT SAME RTE	P=0.154	P=0.009**	P=0.011*	P=0.197
HISTCONT ALL RTES	P=0.333	P=0.021*	P=0.028*	P=1.000
CURR VS HC SAME RTE	P=0.186			
CURR VS HC ALL RTES	P=0.906			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.79	0/45.25	0/41.68	0/44.58
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/30 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/247 (0%)			
HC TUMORS ALL ROUTES	6/1225 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

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Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Pituitary Gland: Pars Intermedia Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.79	0/45.25	0/41.68	0/44.58
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/30 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/247 (0%)			
HC TUMORS ALL ROUTES	4/1225 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skeletal Muscle				
Rhabdomyosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.79	0/45.25	0/42.68	0/44.58
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	1/1250 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.79	1/45.78	0/42.68	1/44.80
POLY-3 PERCENT (g)	0%	2.2%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	568	---	672
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	15/1250 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.79	0/45.25	0/42.68	1/44.80
POLY-3 PERCENT (g)	0%	0%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	672
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	3/1250 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/42.79	1/45.78	0/42.68	1/44.80
POLY-3 PERCENT (g)	0%	2.2%	0%	2.2%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	568	---	672
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	13/1250 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Neurofibrosarcoma or Schwannoma (malignant or NOS)				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.79	0/45.25	0/42.68	0/44.58
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	1/1250 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/42.79	0/45.25	0/42.68	0/44.58
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	1/1250 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	3/48 (6%)	1/50 (2%)	4/49 (8%)	1/50 (2%)
POLY-3 RATE (b)	3/41.28	1/45.38	4/43.31	1/44.58
POLY-3 PERCENT (g)	7.3%	2.2%	9.2%	2.2%
TERMINAL (d)	3/34 (9%)	0/36 (0%)	2/31 (7%)	1/36 (3%)
FIRST INCIDENCE	730 (T)	697	548	730 (T)
HC TUMORS SAME ROUTE	7/249 (3%)			
HC TUMORS ALL ROUTES	35/1242 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.332N	P=0.272N	P=0.526	P=0.278N
POLY 1.5	P=0.331N	P=0.271N	P=0.532	P=0.276N
POLY 6	P=0.335N	P=0.273N	P=0.519	P=0.280N
COCH-ARM / FISHERS	P=0.334N	P=0.293N	P=0.512	P=0.293N
MAX-ISO-POLY-3	P=0.252N	P=0.140N	P=0.373	P=0.142N
HISTCONT SAME RTE	P=0.332	P=1.000	P=0.036*	P=1.000
HISTCONT ALL RTES	P=0.245	P=1.000	P=0.002**	P=1.000
CURR VS HC SAME RTE	P=0.199			
CURR VS HC ALL RTES	P=0.149			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Stomach, Forestomach Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/42.79	1/45.25	0/42.68	3/44.83
POLY-3 PERCENT (g)	2.3%	2.2%	0%	6.7%
TERMINAL (d)	1/34 (3%)	1/36 (3%)	0/31 (0%)	2/36 (6%)
FIRST INCIDENCE	730 (T)	730 (T)	---	665
HC TUMORS SAME ROUTE	11/250 (4%)			
HC TUMORS ALL ROUTES	27/1250 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.132	P=0.748N	P=0.500N	P=0.322
POLY 1.5	P=0.131	P=0.748N	P=0.496N	P=0.322
POLY 6	P=0.132	P=0.749N	P=0.506N	P=0.322
COCH-ARM / FISHERS	P=0.129	P=0.753N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.126	P=0.484N	P=0.159N	P=0.172
HISTCONT SAME RTE	P=0.582	P=1.000	P=1.000	P=0.471
HISTCONT ALL RTES	P=0.284	P=1.000	P=1.000	P=0.160
CURR VS HC SAME RTE	P=0.599			
CURR VS HC ALL RTES	P=0.982			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Stomach, Forestomach Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/42.79	1/45.25	0/42.68	3/44.83
POLY-3 PERCENT (g)	2.3%	2.2%	0%	6.7%
TERMINAL (d)	1/34 (3%)	1/36 (3%)	0/31 (0%)	2/36 (6%)
FIRST INCIDENCE	730 (T)	730 (T)	---	665
HC TUMORS SAME ROUTE	9/250 (4%)			
HC TUMORS ALL ROUTES	22/1250 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.132	P=0.748N	P=0.500N	P=0.322
POLY 1.5	P=0.131	P=0.748N	P=0.496N	P=0.322
POLY 6	P=0.132	P=0.749N	P=0.506N	P=0.322
COCH-ARM / FISHERS	P=0.129	P=0.753N	P=0.500N	P=0.309
MAX-ISO-POLY-3	P=0.126	P=0.484N	P=0.159N	P=0.172
HISTCONT SAME RTE	P=0.510	P=1.000	P=1.000	P=0.409
HISTCONT ALL RTES	P=0.206	P=1.000	P=1.000	P=0.102
CURR VS HC SAME RTE	P=0.710			
CURR VS HC ALL RTES	P=0.866			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Tooth				
Odontoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	5/43.33	1/45.25	1/42.76	0/44.58
POLY-3 PERCENT (g)	11.5%	2.2%	2.3%	0%
TERMINAL (d)	4/34 (12%)	1/36 (3%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	561	730 (T)	710	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	5/1250 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.042N*	P=0.091N	P=0.104N	P=0.028N*
POLY 1.5	P=0.042N*	P=0.091N	P=0.098N	P=0.028N*
POLY 6	P=0.041N*	P=0.093N	P=0.110N	P=0.029N*
COCH-ARM / FISHERS	P=0.043N*	P=0.102N	P=0.102N	P=0.028N*
MAX-ISO-POLY-3	P=0.005N**	P=0.042N*	P=0.046N*	P=0.010N**
HISTCONT SAME RTE	P=0.364	P=0.326	P=0.313	P=1.000
HISTCONT ALL RTES	P=0.347	P=0.232	P=0.222	P=1.000
CURR VS HC SAME RTE	P<0.001**			
CURR VS HC ALL RTES	P<0.001**			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/50 (16%)	3/50 (6%)	12/50 (24%)	4/50 (8%)
POLY-3 RATE (b)	8/43.00	3/45.52	12/44.38	4/45.21
POLY-3 PERCENT (g)	18.6%	6.6%	27%	8.9%
TERMINAL (d)	6/34 (18%)	1/36 (3%)	6/31 (19%)	2/36 (6%)
FIRST INCIDENCE	678	694	548	623
HC TUMORS SAME ROUTE	22/250 (9%)			
HC TUMORS ALL ROUTES	91/1250 (7%)			
STATISTICAL TESTS				
POLY 3	P=0.269N	P=0.081N	P=0.247	P=0.152N
POLY 1.5	P=0.272N	P=0.081N	P=0.253	P=0.154N
POLY 6	P=0.265N	P=0.080N	P=0.243	P=0.150N
COCH-ARM / FISHERS	P=0.290N	P=0.100N	P=0.227	P=0.178N
MAX-ISO-POLY-3	P=0.167N	P=0.046N*	P=0.178	P=0.096N
HISTCONT SAME RTE	P=0.249	P=1.000	P=0.009**	P=1.000
HISTCONT ALL RTES	P=0.082	P=1.000	P<0.001**	P=1.000
CURR VS HC SAME RTE	P=0.101			
CURR VS HC ALL RTES	P=0.017*			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/50 (16%)	3/50 (6%)	13/50 (26%)	5/50 (10%)
POLY-3 RATE (b)	8/43.00	3/45.52	13/44.38	5/45.21
POLY-3 PERCENT (g)	18.6%	6.6%	29.3%	11.1%
TERMINAL (d)	6/34 (18%)	1/36 (3%)	7/31 (23%)	3/36 (8%)
FIRST INCIDENCE	678	694	548	623
HC TUMORS SAME ROUTE	24/250 (10%)			
HC TUMORS ALL ROUTES	104/1250 (8%)			
STATISTICAL TESTS				
POLY 3	P=0.391N	P=0.081N	P=0.178	P=0.243N
POLY 1.5	P=0.394N	P=0.081N	P=0.184	P=0.245N
POLY 6	P=0.387N	P=0.080N	P=0.174	P=0.240N
COCH-ARM / FISHERS	P=0.413N	P=0.100N	P=0.163	P=0.277N
MAX-ISO-POLY-3	P=0.272	P=0.046N*	P=0.124	P=0.165N
HISTCONT SAME RTE	P=0.231	P=1.000	P=0.011*	P=1.000
HISTCONT ALL RTES	P=0.075	P=1.000	P<0.001**	P=0.411
CURR VS HC SAME RTE	P=0.166			
CURR VS HC ALL RTES	P=0.042*			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/42.79	0/45.25	1/43.34	0/44.58
POLY-3 PERCENT (g)	0%	0%	2.3%	0%
TERMINAL (d)	0/34 (0%)	0/36 (0%)	0/31 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	512	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	5/1250 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	6/50 (12%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	4/43.29	6/45.32	1/43.14	1/44.58
POLY-3 PERCENT (g)	9.2%	13.2%	2.3%	2.2%
TERMINAL (d)	2/34 (6%)	5/36 (14%)	0/31 (0%)	1/36 (3%)
FIRST INCIDENCE	584	714	597	730 (T)
HC TUMORS SAME ROUTE	5/250 (2%)			
HC TUMORS ALL ROUTES	48/1250 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.055N	P=0.398	P=0.179N	P=0.169N
POLY 1.5	P=0.055N	P=0.402	P=0.173N	P=0.168N
POLY 6	P=0.055N	P=0.393	P=0.187N	P=0.172N
COCH-ARM / FISHERS	P=0.060N	P=0.370	P=0.181N	P=0.181N
MAX-ISO-POLY-3	P=0.076N	P=0.282	P=0.084N	P=0.081N
HISTCONT SAME RTE	P=0.356	P=0.007**	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.544	P=0.002**	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.018*			
CURR VS HC ALL RTES	P=0.124			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine
 CAS Number: 99-97-8

Date Report Requested: 03/10/2011
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 First Dose M/F: 10/26/04 / 10/25/04
 Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	36/50 (72%)	40/50 (80%)	41/50 (82%)	39/50 (78%)
POLY-3 RATE (b)	36/45.44	40/47.72	41/47.14	39/47.21
POLY-3 PERCENT (g)	79.2%	83.8%	87%	82.6%
TERMINAL (d)	27/34 (79%)	31/36 (86%)	29/31 (94%)	31/36 (86%)
FIRST INCIDENCE	561	550	402	449
HC TUMORS SAME ROUTE	160/250 (64%)			
HC TUMORS ALL ROUTES	868/1250 (69%)			
STATISTICAL TESTS				
POLY 3	P=0.503	P=0.375	P=0.225	P=0.438
POLY 1.5	P=0.513	P=0.393	P=0.257	P=0.455
POLY 6	P=0.487	P=0.350	P=0.195	P=0.414
COCH-ARM / FISHERS	P=0.425	P=0.241	P=0.171	P=0.322
MAX-ISO-POLY-3	P=0.376	P=0.281	P=0.151	P=0.336
HISTCONT SAME RTE	P=0.057	P=0.013*	P=0.009**	P=0.017*
HISTCONT ALL RTES	P=0.127	P=0.114	P=0.060	P=0.149
CURR VS HC SAME RTE	P=0.131			
CURR VS HC ALL RTES	P=0.358			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	29/50 (58%)	32/50 (64%)	41/50 (82%)	40/50 (80%)
POLY-3 RATE (b)	29/45.66	32/49.20	41/48.64	40/48.28
POLY-3 PERCENT (g)	63.5%	65%	84.3%	82.9%
TERMINAL (d)	20/34 (59%)	20/36 (56%)	25/31 (81%)	28/36 (78%)
FIRST INCIDENCE	548	539	442	562
HC TUMORS SAME ROUTE	129/250 (52%)			
HC TUMORS ALL ROUTES	695/1250 (56%)			
STATISTICAL TESTS				
POLY 3	P=0.013*	P=0.524	P=0.016*	P=0.026*
POLY 1.5	P=0.013*	P=0.504	P=0.016*	P=0.025*
POLY 6	P=0.015*	P=0.544	P=0.017*	P=0.031*
COCH-ARM / FISHERS	P=0.012*	P=0.341	P=0.008**	P=0.015*
MAX-ISO-POLY-3	P=0.021*	P=0.439	P=0.010**	P=0.017*
HISTCONT SAME RTE	P=0.022*	P=0.138	P=0.013*	P=0.015*
HISTCONT ALL RTES	P=0.002**	P=0.180	P<0.001**	P=0.002**
CURR VS HC SAME RTE	P=0.267			
CURR VS HC ALL RTES	P=0.409			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Males			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	45/50 (90%)	47/50 (94%)	50/50 (100%)	49/50 (98%)
POLY-3 RATE (b)	45/47.01	47/49.44	50/50.00	49/49.04
POLY-3 PERCENT (g)	95.7%	95.1%	100%	99.9%
TERMINAL (d)	32/34 (94%)	34/36 (94%)	31/31 (100%)	36/36 (100%)
FIRST INCIDENCE	548	539	402	449
HC TUMORS SAME ROUTE	212/250 (85%)			
HC TUMORS ALL ROUTES	1107/1250 (89%)			
STATISTICAL TESTS				
POLY 3	P=0.102	P=0.632N	P=0.222	P=0.235
POLY 1.5	P=0.113	P=0.607N	P=0.203	P=0.253
POLY 6	P=0.108	P=0.675N	P=0.224	P=0.229
COCH-ARM / FISHERS	P=0.082	P=0.357	P=0.028*	P=0.102
MAX-ISO-POLY-3	P=0.107	P=0.437N	P=0.075	P=0.080
HISTCONT SAME RTE	P=0.038*	P=0.081	P=0.026*	P=0.028*
HISTCONT ALL RTES	P=0.032*	P=0.185	P=0.034*	P=0.038*
CURR VS HC SAME RTE	P=0.079			
CURR VS HC ALL RTES	P=0.171			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Adrenal Cortex				
Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	0/46.14	0/45.50	0/40.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/246 (1%)			
HC TUMORS ALL ROUTES	5/1292 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Adrenal Medulla				
Pheochromocytoma Benign				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	2/47.76	0/46.14	0/45.50	2/41.34
POLY-3 PERCENT (g)	4.2%	0%	0%	4.8%
TERMINAL (d)	2/43 (5%)	0/40 (0%)	0/39 (0%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	---	---	627
HC TUMORS SAME ROUTE	1/246 (0%)			
HC TUMORS ALL ROUTES	10/1290 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.358	P=0.245N	P=0.248N	P=0.641
POLY 1.5	P=0.365	P=0.244N	P=0.246N	P=0.656
POLY 6	P=0.350	P=0.245N	P=0.250N	P=0.625
COCH-ARM / FISHERS	P=0.381	P=0.247N	P=0.247N	P=0.691N
MAX-ISO-POLY-3	P=0.255	P=0.083N	P=0.087N	P=0.444
HISTCONT SAME RTE	P=0.035*	P=1.000	P=1.000	P=0.046*
HISTCONT ALL RTES	P=0.063	P=1.000	P=1.000	P=0.035*
CURR VS HC SAME RTE	P=0.053			
CURR VS HC ALL RTES	P=0.021*			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	6/50 (12%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/47.76	6/46.14	1/45.50	3/41.79
POLY-3 PERCENT (g)	2.1%	13%	2.2%	7.2%
TERMINAL (d)	1/43 (2%)	6/40 (15%)	1/39 (3%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	578
HC TUMORS SAME ROUTE	33/248 (13%)			
HC TUMORS ALL ROUTES	135/1298 (10%)			
STATISTICAL TESTS				
POLY 3	P=0.539	P=0.051	P=0.750	P=0.259
POLY 1.5	P=0.557	P=0.052	P=0.751	P=0.271
POLY 6	P=0.521	P=0.050*	P=0.748	P=0.248
COCH-ARM / FISHERS	P=0.602N	P=0.056	P=0.753N	P=0.309
MAX-ISO-POLY-3	P=0.258	P=0.023*	P=0.486	P=0.139
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	P=1.000	P=0.461	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.037*			
CURR VS HC ALL RTEs	P=0.038*			

TDMS No. 20107 - 04
 Test Type: CHRONIC
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	1/46.14	2/45.78	0/40.98
POLY-3 PERCENT (g)	0%	2.2%	4.4%	0%
TERMINAL (d)	0/43 (0%)	1/40 (3%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	669	---
HC TUMORS SAME ROUTE	2/248 (1%)			
HC TUMORS ALL ROUTES	33/1298 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.571N	P=0.493	P=0.228	(e)
POLY 1.5	P=0.555N	P=0.494	P=0.229	(e)
POLY 6	P=0.589N	P=0.493	P=0.227	(e)
COCH-ARM / FISHERS	P=0.515N	P=0.500	P=0.247	(e)
MAX-ISO-POLY-3	P=0.355	P=0.159	P=0.076	(e)
HISTCONT SAME RTE	P=0.418	P=1.000	P=0.077	(e)
HISTCONT ALL RTEs	P=1.000	P=1.000	P=0.414	(e)
CURR VS HC SAME RTE	P=0.401			
CURR VS HC ALL RTEs	P=0.184			

TDMS No. 20107 - 04
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Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	6/50 (12%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	1/47.76	6/46.14	3/45.78	3/41.79
POLY-3 PERCENT (g)	2.1%	13%	6.6%	7.2%
TERMINAL (d)	1/43 (2%)	6/40 (15%)	1/39 (3%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	669	578
HC TUMORS SAME ROUTE	35/248 (14%)			
HC TUMORS ALL ROUTES	167/1298 (13%)			
STATISTICAL TESTS				
POLY 3	P=0.529	P=0.051	P=0.290	P=0.259
POLY 1.5	P=0.552	P=0.052	P=0.292	P=0.271
POLY 6	P=0.506	P=0.050*	P=0.290	P=0.248
COCH-ARM / FISHERS	P=0.580N	P=0.056	P=0.309	P=0.309
MAX-ISO-POLY-3	P=0.195	P=0.023*	P=0.149	P=0.139
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.026*			
CURR VS HC ALL RTES	P=0.016*			

TDMS No. 20107 - 04
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Intestine Small: Site Unspecified Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	0/46.14	0/45.50	0/40.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	3/248 (1%)			
HC TUMORS ALL ROUTES	8/1298 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Islets, Pancreatic Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	0/46.14	0/45.50	0/40.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/245 (1%)			
HC TUMORS ALL ROUTES	11/1284 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine
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 Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Islets, Pancreatic Carcinoma or Adenoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	0/46.14	0/45.50	0/40.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	3/245 (1%)			
HC TUMORS ALL ROUTES	15/1284 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	1/46.14	1/45.50	0/40.98
POLY-3 PERCENT (g)	0%	2.2%	2.2%	0%
TERMINAL (d)	0/43 (0%)	1/40 (3%)	1/39 (3%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	1/247 (0%)			
HC TUMORS ALL ROUTES	13/1296 (1%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/47.76	1/46.14	0/45.50	4/41.10
POLY-3 PERCENT (g)	0%	2.2%	0%	9.7%
TERMINAL (d)	0/43 (0%)	1/40 (3%)	0/39 (0%)	3/32 (9%)
FIRST INCIDENCE	---	729 (T)	---	699
HC TUMORS SAME ROUTE	0/247 (0%)			
HC TUMORS ALL ROUTES	2/1296 (0%)			
STATISTICAL TESTS				
POLY 3	P=0.007**	P=0.493	(e)	P=0.044*
POLY 1.5	P=0.008**	P=0.494	(e)	P=0.048*
POLY 6	P=0.007**	P=0.493	(e)	P=0.039*
COCH-ARM / FISHERS	P=0.011*	P=0.500	(e)	P=0.059
MAX-ISO-POLY-3	P=0.008**	P=0.159	(e)	P=0.019*
HISTCONT SAME RTE	P=0.010**	P=0.125	(e)	P=0.007**
HISTCONT ALL RTEs	P<0.001**	P=0.044*	(e)	P<0.001**
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTEs	P=0.369			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	17/50 (34%)	19/50 (38%)	37/50 (74%)	44/50 (88%)
POLY-3 RATE (b)	17/47.88	19/46.20	37/46.28	44/45.80
POLY-3 PERCENT (g)	35.5%	41.1%	80%	96.1%
TERMINAL (d)	16/43 (37%)	17/40 (43%)	34/39 (87%)	31/32 (97%)
FIRST INCIDENCE	698	720	649	481
HC TUMORS SAME ROUTE	41/247 (17%)			
HC TUMORS ALL ROUTES	353/1296 (27%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.364	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.373	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.358	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.418	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.291	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.015*	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.199	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.017*			
CURR VS HC ALL RTES	P=0.422			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	6/50 (12%)	13/50 (26%)	18/50 (36%)	31/50 (62%)
POLY-3 RATE (b)	6/48.12	13/46.18	18/45.81	31/43.14
POLY-3 PERCENT (g)	12.5%	28.2%	39.3%	71.9%
TERMINAL (d)	4/43 (9%)	12/40 (30%)	16/39 (41%)	24/32 (75%)
FIRST INCIDENCE	666	720	669	512
HC TUMORS SAME ROUTE	14/247 (6%)			
HC TUMORS ALL ROUTES	136/1296 (11%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.049*	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	P=0.051	P=0.002**	P<0.001**
POLY 6	P<0.001**	P=0.046*	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.062	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.030*	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.004**	P=0.002**	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P=0.019*	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.121			
CURR VS HC ALL RTEs	P=0.850			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	6/50 (12%)	14/50 (28%)	18/50 (36%)	32/50 (64%)
POLY-3 RATE (b)	6/48.12	14/46.18	18/45.81	32/43.14
POLY-3 PERCENT (g)	12.5%	30.3%	39.3%	74.2%
TERMINAL (d)	4/43 (9%)	13/40 (33%)	16/39 (41%)	25/32 (78%)
FIRST INCIDENCE	666	720	669	512
HC TUMORS SAME ROUTE	14/247 (6%)			
HC TUMORS ALL ROUTES	138/1296 (11%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.029*	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	P=0.031*	P=0.002**	P<0.001**
POLY 6	P<0.001**	P=0.027*	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.039*	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.017*	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.003**	P=0.002**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.010**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.121			
CURR VS HC ALL RTES	P=0.876			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma or Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	20/50 (40%)	25/50 (50%)	42/50 (84%)	45/50 (90%)
POLY-3 RATE (b)	20/48.12	25/46.20	42/46.36	45/45.80
POLY-3 PERCENT (g)	41.6%	54.1%	90.6%	98.3%
TERMINAL (d)	18/43 (42%)	23/40 (58%)	38/39 (97%)	32/32 (100%)
FIRST INCIDENCE	666	720	649	481
HC TUMORS SAME ROUTE	51/247 (21%)			
HC TUMORS ALL ROUTES	428/1296 (33%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.154	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.165	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.143	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.211	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.114	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.010**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.104	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.019*			
CURR VS HC ALL RTES	P=0.453			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Liver				
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	20/50 (40%)	26/50 (52%)	42/50 (84%)	45/50 (90%)
POLY-3 RATE (b)	20/48.12	26/46.20	42/46.36	45/45.80
POLY-3 PERCENT (g)	41.6%	56.3%	90.6%	98.3%
TERMINAL (d)	18/43 (42%)	24/40 (60%)	38/39 (97%)	32/32 (100%)
FIRST INCIDENCE	666	720	649	481
HC TUMORS SAME ROUTE	51/247 (21%)			
HC TUMORS ALL ROUTES	429/1296 (33%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.108	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.118	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.099	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.158	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.078	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.008**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.079	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.019*			
CURR VS HC ALL RTES	P=0.460			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	8/50 (16%)	12/50 (24%)
POLY-3 RATE (b)	2/47.76	4/46.14	8/45.80	12/42.55
POLY-3 PERCENT (g)	4.2%	8.7%	17.5%	28.2%
TERMINAL (d)	2/43 (5%)	4/40 (10%)	7/39 (18%)	8/32 (25%)
FIRST INCIDENCE	729 (T)	729 (T)	649	570
HC TUMORS SAME ROUTE	14/246 (6%)			
HC TUMORS ALL ROUTES	64/1296 (5%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.322	P=0.039*	P<0.001**
POLY 1.5	P<0.001**	P=0.324	P=0.040*	P=0.002**
POLY 6	P<0.001**	P=0.321	P=0.038*	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.339	P=0.046*	P=0.004**
MAX-ISO-POLY-3	P<0.001**	P=0.193	P=0.020*	P<0.001**
HISTCONT SAME RTE	P=0.004**	P=0.330	P=0.013*	P=0.005**
HISTCONT ALL RTES	P<0.001**	P=0.216	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.561			
CURR VS HC ALL RTES	P=0.697			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	0/47.76	1/46.14	2/45.60	1/41.29
POLY-3 PERCENT (g)	0%	2.2%	4.4%	2.4%
TERMINAL (d)	0/43 (0%)	1/40 (3%)	1/39 (3%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	703	645
HC TUMORS SAME ROUTE	6/246 (2%)			
HC TUMORS ALL ROUTES	53/1296 (4%)			
STATISTICAL TESTS				
POLY 3	P=0.433	P=0.493	P=0.227	P=0.471
POLY 1.5	P=0.452	P=0.494	P=0.229	P=0.479
POLY 6	P=0.412	P=0.493	P=0.226	P=0.463
COCH-ARM / FISHERS	P=0.500	P=0.500	P=0.247	P=0.500
MAX-ISO-POLY-3	P=0.252	P=0.159	P=0.076	P=0.158
HISTCONT SAME RTE	P=0.597	P=1.000	P=0.423	P=1.000
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.209			
CURR VS HC ALL RTEs	P=0.092			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	2/50 (4%)	5/50 (10%)	9/50 (18%)	13/50 (26%)
POLY-3 RATE (b)	2/47.76	5/46.14	9/45.90	13/42.86
POLY-3 PERCENT (g)	4.2%	10.8%	19.6%	30.3%
TERMINAL (d)	2/43 (5%)	5/40 (13%)	7/39 (18%)	8/32 (25%)
FIRST INCIDENCE	729 (T)	729 (T)	649	570
HC TUMORS SAME ROUTE	20/246 (8%)			
HC TUMORS ALL ROUTES	113/1296 (9%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.203	P=0.021*	P<0.001**
POLY 1.5	P<0.001**	P=0.205	P=0.022*	P<0.001**
POLY 6	P<0.001**	P=0.202	P=0.021*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.218	P=0.026*	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.114	P=0.010**	P<0.001**
HISTCONT SAME RTE	P=0.004**	P=0.393	P=0.011*	P=0.005**
HISTCONT ALL RTES	P<0.001**	P=0.487	P=0.004**	P<0.001**
CURR VS HC SAME RTE	P=0.236			
CURR VS HC ALL RTES	P=0.199			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Ovary				
Cystadenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	2/49 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/47.76	2/45.24	1/45.50	1/40.98
POLY-3 PERCENT (g)	2.1%	4.4%	2.2%	2.4%
TERMINAL (d)	1/43 (2%)	2/40 (5%)	1/39 (3%)	1/32 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	13/245 (5%)			
HC TUMORS ALL ROUTES	66/1275 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.575N	P=0.481	P=0.750	P=0.725
POLY 1.5	P=0.563N	P=0.483	P=0.751	P=0.736
POLY 6	P=0.589N	P=0.481	P=0.748	P=0.714
COCH-ARM / FISHERS	P=0.532N	P=0.492	P=0.753N	P=0.753N
MAX-ISO-POLY-3	P=0.627	P=0.269	P=0.486	P=0.459
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.285			
CURR VS HC ALL RTES	P=0.276			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Pituitary Gland: Pars Distalis or Unspecified Site Adenoma				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	2/50 (4%)	1/50 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/45.76	2/46.14	1/45.98	0/40.10
POLY-3 PERCENT (g)	0%	4.3%	2.2%	0%
TERMINAL (d)	0/41 (0%)	2/40 (5%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	585	---
HC TUMORS SAME ROUTE	10/245 (4%)			
HC TUMORS ALL ROUTES	84/1273 (7%)			
STATISTICAL TESTS				
POLY 3	P=0.421N	P=0.239	P=0.501	(e)
POLY 1.5	P=0.409N	P=0.240	P=0.501	(e)
POLY 6	P=0.433N	P=0.239	P=0.501	(e)
COCH-ARM / FISHERS	P=0.377N	P=0.258	P=0.510	(e)
MAX-ISO-POLY-3	P=0.368	P=0.078	P=0.161	(e)
HISTCONT SAME RTE	(h)	(h)	(h)	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)
CURR VS HC SAME RTE	P=0.112			
CURR VS HC ALL RTES	P=0.045*			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Pituitary Gland: Pars Intermedia Adenoma				
TUMOR RATES				
OVERALL (a)	0/48 (0%)	3/50 (6%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.76	3/46.14	0/45.50	0/40.10
POLY-3 PERCENT (g)	0%	6.5%	0%	0%
TERMINAL (d)	0/41 (0%)	3/40 (8%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	1/245 (0%)			
HC TUMORS ALL ROUTES	12/1273 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.279N	P=0.120	(e)	(e)
POLY 1.5	P=0.272N	P=0.121	(e)	(e)
POLY 6	P=0.286N	P=0.120	(e)	(e)
COCH-ARM / FISHERS	P=0.254N	P=0.129	(e)	(e)
MAX-ISO-POLY-3	P=0.222N	P=0.039*	(e)	(e)
HISTCONT SAME RTE	P=0.449	P=0.015*	(e)	(e)
HISTCONT ALL RTES	P=0.483	P<0.001**	(e)	(e)
CURR VS HC SAME RTE	P=0.328			
CURR VS HC ALL RTES	P=0.457			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skeletal Muscle				
Rhabdomyosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/47.76	0/46.14	1/45.50	2/40.98
POLY-3 PERCENT (g)	0%	0%	2.2%	4.9%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	1/39 (3%)	2/32 (6%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
HC TUMORS SAME ROUTE	5/248 (2%)			
HC TUMORS ALL ROUTES	7/1298 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.066	(e)	P=0.490	P=0.205
POLY 1.5	P=0.071	(e)	P=0.492	P=0.214
POLY 6	P=0.061	(e)	P=0.489	P=0.196
COCH-ARM / FISHERS	P=0.084	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.080	(e)	P=0.159	P=0.075
HISTCONT SAME RTE	P=0.320	(e)	P=1.000	P=0.330
HISTCONT ALL RTES	P=0.016*	(e)	P=0.346	P=0.016*
CURR VS HC SAME RTE	P=0.328			
CURR VS HC ALL RTES	P=0.503			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/48.38	1/46.36	2/45.50	0/40.98
POLY-3 PERCENT (g)	4.1%	2.2%	4.4%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	2/39 (5%)	0/32 (0%)
FIRST INCIDENCE	642	671	729 (T)	---
HC TUMORS SAME ROUTE	8/248 (3%)			
HC TUMORS ALL ROUTES	65/1298 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.251N	P=0.515N	P=0.671	P=0.276N
POLY 1.5	P=0.238N	P=0.512N	P=0.676	P=0.264N
POLY 6	P=0.267N	P=0.517N	P=0.665	P=0.291N
COCH-ARM / FISHERS	P=0.211N	P=0.500N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.227N	P=0.297N	P=0.475	P=0.113N
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.854			
CURR VS HC ALL RTES	P=0.678			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Fibrosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/48.38	0/46.14	1/45.50	0/40.98
POLY-3 PERCENT (g)	4.1%	0%	2.2%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	1/39 (3%)	0/32 (0%)
FIRST INCIDENCE	642	---	729 (T)	---
HC TUMORS SAME ROUTE	3/248 (1%)			
HC TUMORS ALL ROUTES	26/1298 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.290N	P=0.248N	P=0.521N	P=0.276N
POLY 1.5	P=0.284N	P=0.246N	P=0.517N	P=0.264N
POLY 6	P=0.297N	P=0.251N	P=0.527N	P=0.291N
COCH-ARM / FISHERS	P=0.271N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.132N	P=0.086N	P=0.304N	P=0.113N
HISTCONT SAME RTE	P=0.766	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.103			
CURR VS HC ALL RTES	P=0.373			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	2/48.38	1/46.36	2/45.50	0/40.98
POLY-3 PERCENT (g)	4.1%	2.2%	4.4%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	2/39 (5%)	0/32 (0%)
FIRST INCIDENCE	642	671	729 (T)	---
HC TUMORS SAME ROUTE	8/248 (3%)			
HC TUMORS ALL ROUTES	65/1298 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.251N	P=0.515N	P=0.671	P=0.276N
POLY 1.5	P=0.238N	P=0.512N	P=0.676	P=0.264N
POLY 6	P=0.267N	P=0.517N	P=0.665	P=0.291N
COCH-ARM / FISHERS	P=0.211N	P=0.500N	P=0.691N	P=0.247N
MAX-ISO-POLY-3	P=0.227N	P=0.297N	P=0.475	P=0.113N
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.854			
CURR VS HC ALL RTES	P=0.678			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Neurofibrosarcoma or Schwannoma (malignant or NOS)				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	0/46.14	2/45.60	0/40.98
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	1/39 (3%)	0/32 (0%)
FIRST INCIDENCE	---	---	703	---
HC TUMORS SAME ROUTE	3/248 (1%)			
HC TUMORS ALL ROUTES	11/1298 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.698	(e)	P=0.227	(e)
POLY 1.5	P=0.717	(e)	P=0.229	(e)
POLY 6	P=0.675	(e)	P=0.226	(e)
COCH-ARM / FISHERS	P=0.697N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.275	(e)	P=0.076	(e)
HISTCONT SAME RTE	P=0.529	(e)	P=0.172	(e)
HISTCONT ALL RTES	P=0.395	(e)	P=0.028*	(e)
CURR VS HC SAME RTE	P=0.381			
CURR VS HC ALL RTES	P=0.464			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Skin				
Neurofibrosarcoma, Neurofibroma, or Schwannoma (benign, malignant or NOS)				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	0/46.14	2/45.60	0/40.98
POLY-3 PERCENT (g)	0%	0%	4.4%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	1/39 (3%)	0/32 (0%)
FIRST INCIDENCE	---	---	703	---
HC TUMORS SAME ROUTE	3/248 (1%)			
HC TUMORS ALL ROUTES	11/1298 (1%)			
STATISTICAL TESTS				
POLY 3	P=0.698	(e)	P=0.227	(e)
POLY 1.5	P=0.717	(e)	P=0.229	(e)
POLY 6	P=0.675	(e)	P=0.226	(e)
COCH-ARM / FISHERS	P=0.697N	(e)	P=0.247	(e)
MAX-ISO-POLY-3	P=0.275	(e)	P=0.076	(e)
HISTCONT SAME RTE	P=0.529	(e)	P=0.172	(e)
HISTCONT ALL RTEs	P=0.395	(e)	P=0.028*	(e)
CURR VS HC SAME RTE	P=0.381			
CURR VS HC ALL RTEs	P=0.464			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Spleen				
Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	1/49 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.99	1/46.14	0/45.46	0/40.98
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/43 (0%)	1/40 (3%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
HC TUMORS SAME ROUTE	2/244 (1%)			
HC TUMORS ALL ROUTES	26/1282 (2%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Stomach, Forestomach Squamous Cell Carcinoma or Papilloma Squamous				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	6/50 (12%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	1/47.76	6/46.14	6/45.60	7/41.06
POLY-3 PERCENT (g)	2.1%	13%	13.2%	17.1%
TERMINAL (d)	1/43 (2%)	6/40 (15%)	5/39 (13%)	6/32 (19%)
FIRST INCIDENCE	729 (T)	729 (T)	703	708
HC TUMORS SAME ROUTE	9/248 (4%)			
HC TUMORS ALL ROUTES	24/1298 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.055	P=0.051	P=0.049*	P=0.017*
POLY 1.5	P=0.066	P=0.052	P=0.050*	P=0.020*
POLY 6	P=0.045*	P=0.050*	P=0.048*	P=0.014*
COCH-ARM / FISHERS	P=0.102	P=0.056	P=0.056	P=0.030*
MAX-ISO-POLY-3	P=0.031*	P=0.023*	P=0.023*	P=0.010**
HISTCONT SAME RTE	P=0.017*	P=0.011*	P=0.011*	P=0.008**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.498			
CURR VS HC ALL RTES	P=0.984			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Stomach, Forestomach Squamous Cell Papilloma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	5/50 (10%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	1/47.76	5/46.14	6/45.60	7/41.06
POLY-3 PERCENT (g)	2.1%	10.8%	13.2%	17.1%
TERMINAL (d)	1/43 (2%)	5/40 (13%)	5/39 (13%)	6/32 (19%)
FIRST INCIDENCE	729 (T)	729 (T)	703	708
HC TUMORS SAME ROUTE	9/248 (4%)			
HC TUMORS ALL ROUTES	22/1298 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.037*	P=0.094	P=0.049*	P=0.017*
POLY 1.5	P=0.046*	P=0.095	P=0.050*	P=0.020*
POLY 6	P=0.030*	P=0.093	P=0.048*	P=0.014*
COCH-ARM / FISHERS	P=0.072	P=0.102	P=0.056	P=0.030*
MAX-ISO-POLY-3	P=0.027*	P=0.043*	P=0.023*	P=0.010**
HISTCONT SAME RTE	P=0.012*	P=0.022*	P=0.011*	P=0.008**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.498			
CURR VS HC ALL RTES	P=0.912			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Tooth				
Odontoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	0/46.14	0/45.50	0/40.98
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	0/39 (0%)	0/32 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/248 (0%)			
HC TUMORS ALL ROUTES	0/1298 (0%)			
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE	(n)	(n)	(n)	(n)
HISTCONT ALL RTES	(n)	(n)	(n)	(n)
CURR VS HC SAME RTE	(n)			
CURR VS HC ALL RTES	(n)			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Uterus				
Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	2/46.14	2/45.50	0/40.98
POLY-3 PERCENT (g)	0%	4.3%	4.4%	0%
TERMINAL (d)	0/43 (0%)	2/40 (5%)	2/39 (5%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	2/248 (1%)			
HC TUMORS ALL ROUTES	30/1298 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.442N	P=0.230	P=0.227	(e)
POLY 1.5	P=0.424N	P=0.231	P=0.228	(e)
POLY 6	P=0.461N	P=0.229	P=0.225	(e)
COCH-ARM / FISHERS	P=0.381N	P=0.247	P=0.247	(e)
MAX-ISO-POLY-3	P=0.306	P=0.076	P=0.076	(e)
HISTCONT SAME RTE	P=0.386	P=0.131	P=0.129	(e)
HISTCONT ALL RTES	P=0.706	P=0.353	P=0.346	(e)
CURR VS HC SAME RTE	P=0.531			
CURR VS HC ALL RTES	P=0.191			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
Uterus				
Sarcoma Stromal or Polyp Stromal				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	2/46.14	3/45.50	0/40.98
POLY-3 PERCENT (g)	0%	4.3%	6.6%	0%
TERMINAL (d)	0/43 (0%)	2/40 (5%)	3/39 (8%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	3/248 (1%)			
HC TUMORS ALL ROUTES	31/1298 (2%)			
STATISTICAL TESTS				
POLY 3	P=0.456N	P=0.230	P=0.110	(e)
POLY 1.5	P=0.434N	P=0.231	P=0.112	(e)
POLY 6	P=0.480N	P=0.229	P=0.109	(e)
COCH-ARM / FISHERS	P=0.382N	P=0.247	P=0.121	(e)
MAX-ISO-POLY-3	P=0.260	P=0.076	P=0.038*	(e)
HISTCONT SAME RTE	P=0.390	P=0.178	P=0.047*	(e)
HISTCONT ALL RTEs	P=0.581	P=0.369	P=0.059	(e)
CURR VS HC SAME RTE	P=0.368			
CURR VS HC ALL RTEs	P=0.185			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/47.76	2/46.14	1/45.50	0/40.98
POLY-3 PERCENT (g)	0%	4.3%	2.2%	0%
TERMINAL (d)	0/43 (0%)	2/40 (5%)	1/39 (3%)	0/32 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
HC TUMORS SAME ROUTE	6/248 (2%)			
HC TUMORS ALL ROUTES	59/1298 (5%)			
STATISTICAL TESTS				
POLY 3	P=0.423N	P=0.230	P=0.490	(e)
POLY 1.5	P=0.410N	P=0.231	P=0.492	(e)
POLY 6	P=0.436N	P=0.229	P=0.489	(e)
COCH-ARM / FISHERS	P=0.378N	P=0.247	P=0.500	(e)
MAX-ISO-POLY-3	P=0.362	P=0.076	P=0.159	(e)
HISTCONT SAME RTE	P=1.000	P=0.429	P=1.000	(e)
HISTCONT ALL RTES	(h)	(h)	(h)	(e)
CURR VS HC SAME RTE	P=0.212			
CURR VS HC ALL RTES	P=0.082			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Hemangiosarcoma or Hemangioma				
TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/47.88	3/46.14	2/45.50	1/40.98
POLY-3 PERCENT (g)	2.1%	6.5%	4.4%	2.4%
TERMINAL (d)	0/43 (0%)	3/40 (8%)	2/39 (5%)	1/32 (3%)
FIRST INCIDENCE	698	729 (T)	729 (T)	729 (T)
HC TUMORS SAME ROUTE	10/248 (4%)			
HC TUMORS ALL ROUTES	73/1298 (6%)			
STATISTICAL TESTS				
POLY 3	P=0.483N	P=0.292	P=0.482	P=0.725
POLY 1.5	P=0.464N	P=0.295	P=0.485	P=0.735
POLY 6	P=0.504N	P=0.291	P=0.479	P=0.712
COCH-ARM / FISHERS	P=0.419N	P=0.309	P=0.500	P=0.753N
MAX-ISO-POLY-3	P=0.472	P=0.149	P=0.271	P=0.458
HISTCONT SAME RTE	P=0.775	P=0.384	P=1.000	P=1.000
HISTCONT ALL RTEs	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.449			
CURR VS HC ALL RTEs	P=0.233			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Histiocytic Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/47.76	2/47.02	3/46.54	1/40.98
POLY-3 PERCENT (g)	0%	4.3%	6.5%	2.4%
TERMINAL (d)	0/43 (0%)	0/40 (0%)	0/39 (0%)	1/32 (3%)
FIRST INCIDENCE	---	449	585	729 (T)
HC TUMORS SAME ROUTE	7/248 (3%)			
HC TUMORS ALL ROUTES	35/1298 (3%)			
STATISTICAL TESTS				
POLY 3	P=0.530	P=0.234	P=0.114	P=0.470
POLY 1.5	P=0.557	P=0.233	P=0.114	P=0.478
POLY 6	P=0.501	P=0.235	P=0.116	P=0.460
COCH-ARM / FISHERS	P=0.618	P=0.247	P=0.121	P=0.500
MAX-ISO-POLY-3	P=0.221	P=0.076	P=0.038*	P=0.158
HISTCONT SAME RTE	P=0.565	P=1.000	P=0.227	P=1.000
HISTCONT ALL RTES	P=0.484	P=0.457	P=0.090	P=1.000
CURR VS HC SAME RTE	P=0.212			
CURR VS HC ALL RTES	P=0.180			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type				
TUMOR RATES	#	#	#	#
OVERALL (a)	15/50 (30%)	9/50 (18%)	11/50 (22%)	8/50 (16%)
POLY-3 RATE (b)	15/48.84	9/46.36	11/46.39	8/42.30
POLY-3 PERCENT (g)	30.7%	19.4%	23.7%	18.9%
TERMINAL (d)	13/43 (30%)	8/40 (20%)	8/39 (21%)	4/32 (13%)
FIRST INCIDENCE	444	671	627	570
HC TUMORS SAME ROUTE	32/248 (13%)			
HC TUMORS ALL ROUTES	257/1298 (20%)			
STATISTICAL TESTS				
POLY 3	P=0.216N	P=0.151N	P=0.297N	P=0.147N
POLY 1.5	P=0.191N	P=0.144N	P=0.290N	P=0.125N
POLY 6	P=0.241N	P=0.154N	P=0.298N	P=0.169N
COCH-ARM / FISHERS	P=0.134N	P=0.121N	P=0.247N	P=0.077N
MAX-ISO-POLY-3	P=0.177N	P=0.107N	P=0.229N	P=0.113N
HISTCONT SAME RTE	P=0.313	P=0.243	P=0.093	P=0.290
HISTCONT ALL RTES	P=1.000	P=1.000	P=0.438	P=1.000
CURR VS HC SAME RTE	P=0.007**			
CURR VS HC ALL RTES	P=0.122			

TDMS No. 20107 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

Time Report Requested: 11:42:39

First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	24/50 (48%)	31/50 (62%)	40/50 (80%)	44/50 (88%)
POLY-3 RATE (b)	24/47.88	31/46.20	40/46.87	44/45.80
POLY-3 PERCENT (g)	50.1%	67.1%	85.4%	96.1%
TERMINAL (d)	23/43 (54%)	29/40 (73%)	35/39 (90%)	31/32 (97%)
FIRST INCIDENCE	698	720	585	481
HC TUMORS SAME ROUTE	118/248 (48%)			
HC TUMORS ALL ROUTES	654/1298 (50%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.068	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.076	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.061	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.114	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.046*	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.003**	P=0.018*	P=0.003**	P=0.002**
HISTCONT ALL RTEs	P<0.001**	P=0.098	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.881			
CURR VS HC ALL RTEs	P=0.571			

TDMS No. 20107 - 04
 Test Type: CHRONIC
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

Date Report Requested: 03/10/2011

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First Dose M/F: 10/26/04 / 10/25/04

Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Malignant Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	21/50 (42%)	25/50 (50%)	34/50 (68%)	36/50 (72%)
POLY-3 RATE (b)	21/49.52	25/48.32	34/47.37	36/44.49
POLY-3 PERCENT (g)	42.4%	51.7%	71.8%	80.9%
TERMINAL (d)	16/43 (37%)	19/40 (48%)	26/39 (67%)	26/32 (81%)
FIRST INCIDENCE	444	449	585	386
HC TUMORS SAME ROUTE	87/248 (35%)			
HC TUMORS ALL ROUTES	620/1298 (48%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.236	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	P=0.238	P=0.003**	P<0.001**
POLY 6	P<0.001**	P=0.235	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P=0.002**	P=0.274	P=0.008**	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.181	P=0.002**	P<0.001**
HISTCONT SAME RTE	P=0.006**	P=0.038*	P=0.005**	P=0.004**
HISTCONT ALL RTES	P=0.009**	P=0.471	P=0.031*	P=0.007**
CURR VS HC SAME RTE	P=0.494			
CURR VS HC ALL RTES	P=0.305			

TDMS No. 20107 - 04
 Test Type: CHRONIC
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

N,N-Dimethyl-p-toluidine

CAS Number: 99-97-8

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Lab: BAT

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

DOSE	Females			
	0 MG/KG	6 MG/KG	20 MG/KG	60 MG/KG
All Organs				
Malignant and Benign Tumors				
TUMOR RATES	#	#	#	#
OVERALL (a)	35/50 (70%)	41/50 (82%)	47/50 (94%)	46/50 (92%)
POLY-3 RATE (b)	35/49.52	41/48.34	47/47.37	46/46.65
POLY-3 PERCENT (g)	70.7%	84.8%	99.2%	98.6%
TERMINAL (d)	30/43 (70%)	34/40 (85%)	39/39 (100%)	32/32 (100%)
FIRST INCIDENCE	444	449	585	386
HC TUMORS SAME ROUTE	172/248 (69%)			
HC TUMORS ALL ROUTES	980/1298 (76%)			
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.072	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.076	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.070	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.007**	P=0.121	P=0.002**	P=0.005**
MAX-ISO-POLY-3	P<0.001**	P=0.046*	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.020*	P=0.087	P=0.013*	P=0.014*
HISTCONT ALL RTES	P=0.011*	P=0.230	P=0.010**	P=0.013*
CURR VS HC SAME RTE	P=0.894			
CURR VS HC ALL RTES	P=0.253			

TDMS No. 20107 - 04
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P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS

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LEGEND

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

*** END OF REPORT ***