

**TDMS No.** 99031 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**  
Ginkgo biloba extract  
**CAS Number:** 90045-36-6

**Date Report Requested:** 04/13/2011  
**Time Report Requested:** 15:13:14  
**First Dose M/F:** 03/17/05 / 03/18/05  
**Lab:** BAT

F1\_M3

**C Number:** C99031  
**Lock Date:** 05/05/2008  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.3.1  
**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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**HISTORICAL CONTROL STUDIES**  
**From March 2010 report**

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  
Liver  
Lung  
Ovary  
Pituitary Gland  
Thyroid Gland

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## SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF GINKGO BILOBA EXTRACT

### MALE MICE

#### Organ

Liver

Lung

All Organs

#### Morphology

Hemangiosarcoma  
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  
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma  
Hemangiosarcoma  
Hemangiosarcoma or Hemangioma  
Benign Tumors  
Malignant Tumors  
Malignant and Benign Tumors

### FEMALE MICE

#### Organ

Harderian Gland

Liver

Pituitary Gland: Pars Distalis or Unspecified Site  
Skin

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  
Adenoma  
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma  
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma  
Sarcoma  
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type  
Benign Tumors

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**SUMMARY OF STATISTICALLY SIGNIFICANT ( $P \leq .05$ ) RESULTS IN THE ANALYSIS OF GINKGO BILOBA EXTRACT**

Malignant Tumors  
Malignant and Benign Tumors

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Adrenal Cortex</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.21	3/40.85	1/38.18	0/40.18
POLY-3 PERCENT (g)	2.3%	7.3%	2.6%	0%
TERMINAL (d)	0/34 (0%)	2/27 (7%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	660	565	681	---
HC TUMORS SAME ROUTE	9/250 (4%)			
HC TUMORS ALL ROUTES	77/1244 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.196N	P=0.277	P=0.727	P=0.519N
POLY 1.5	P=0.187N	P=0.290	P=0.739	P=0.511N
POLY 6	P=0.215N	P=0.258	P=0.709	P=0.534N
COCH-ARM / FISHERS	P=0.177N	P=0.309	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.182N	P=0.144	P=0.460	P=0.182N
HISTCONT SAME RTE	P=1.000	P=0.241	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=0.573			
CURR VS HC ALL RTES	P=0.244			

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Adrenal Medulla</b>				
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.96	0/40.32	0/38.00	0/39.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	8/1235 (1%)			
<b>STATISTICAL TESTS</b>				
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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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)  
 TERMINAL SACRIFICE AT 104 WEEKS**

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	4/50 (8%)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	4/43.96	3/40.32	2/38.93	3/40.49
POLY-3 PERCENT (g)	9.1%	7.4%	5.1%	7.4%
TERMINAL (d)	4/34 (12%)	3/27 (11%)	1/21 (5%)	2/23 (9%)
FIRST INCIDENCE	726 (T)	726 (T)	308	641
HC TUMORS SAME ROUTE	34/250 (14%)			
HC TUMORS ALL ROUTES	163/1250 (13%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.532N	P=0.547N	P=0.394N	P=0.545N
POLY 1.5	P=0.524N	P=0.526N	P=0.374N	P=0.526N
POLY 6	P=0.550N	P=0.579N	P=0.427N	P=0.579N
COCH-ARM / FISHERS	P=0.515N	P=0.500N	P=0.339N	P=0.500N
MAX-ISO-POLY-3	P=0.504N	P=0.394N	P=0.258N	P=0.392N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.277			
CURR VS HC ALL RTEs	P=0.341			

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Harderian Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	5/50 (10%)	4/50 (8%)	2/50 (4%)
POLY-3 RATE (b)	3/43.96	5/42.15	4/39.82	2/40.56
POLY-3 PERCENT (g)	6.8%	11.9%	10.1%	4.9%
TERMINAL (d)	3/34 (9%)	1/27 (4%)	0/21 (0%)	1/23 (4%)
FIRST INCIDENCE	726 (T)	520	490	620
HC TUMORS SAME ROUTE	6/250 (2%)			
HC TUMORS ALL ROUTES	40/1250 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.309N	P=0.333	P=0.446	P=0.537N
POLY 1.5	P=0.294N	P=0.343	P=0.462	P=0.521N
POLY 6	P=0.340N	P=0.317	P=0.422	P=0.565N
COCH-ARM / FISHERS	P=0.273N	P=0.357	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.376N	P=0.216	P=0.307	P=0.362N
HISTCONT SAME RTE	P=0.230	P=0.035*	P=0.069	P=0.397
HISTCONT ALL RTES	P=0.170	P=0.004**	P=0.026*	P=0.479
CURR VS HC SAME RTE	P=0.213			
CURR VS HC ALL RTES	P=0.265			

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	7/50 (14%)	8/50 (16%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	7/43.96	8/42.15	6/40.74	5/40.87
POLY-3 PERCENT (g)	15.9%	19%	14.7%	12.2%
TERMINAL (d)	7/34 (21%)	4/27 (15%)	1/21 (5%)	3/23 (13%)
FIRST INCIDENCE	726 (T)	520	308	620
HC TUMORS SAME ROUTE	39/250 (16%)			
HC TUMORS ALL ROUTES	198/1250 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.305N	P=0.464	P=0.559N	P=0.431N
POLY 1.5	P=0.290N	P=0.480	P=0.541N	P=0.410N
POLY 6	P=0.339N	P=0.440	P=0.589N	P=0.471N
COCH-ARM / FISHERS	P=0.268N	P=0.500	P=0.500N	P=0.380N
MAX-ISO-POLY-3	P=0.422N	P=0.356	P=0.440N	P=0.319N
HISTCONT SAME RTE	P=1.000	P=0.477	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.465	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.822			
CURR VS HC ALL RTES	P=0.812			

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Intestine Small: Jejunum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/44.67	0/40.32	1/38.21	2/41.19
POLY-3 PERCENT (g)	2.2%	0%	2.6%	4.9%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	485	---	673	573
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	18/1250 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.234	P=0.520N	P=0.725	P=0.472
POLY 1.5	P=0.236	P=0.512N	P=0.737	P=0.483
POLY 6	P=0.227	P=0.533N	P=0.707	P=0.451
COCH-ARM / FISHERS	P=0.238	P=0.500N	P=0.753N	P=0.500
MAX-ISO-POLY-3	P=0.227	P=0.183N	P=0.458	P=0.265
HISTCONT SAME RTE	P=0.118	P=1.000	P=1.000	P=0.154
HISTCONT ALL RTES	P=0.172	P=1.000	P=1.000	P=0.129
CURR VS HC SAME RTE	P=0.803			
CURR VS HC ALL RTES	P=0.744			

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Intestine Small: Site Unspecified Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.67	0/40.32	2/38.21	2/41.19
POLY-3 PERCENT (g)	2.2%	0%	5.2%	4.9%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	1/21 (5%)	0/23 (0%)
FIRST INCIDENCE	485	---	673	573
HC TUMORS SAME ROUTE	3/250 (1%)			
HC TUMORS ALL ROUTES	24/1250 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.271	P=0.520N	P=0.446	P=0.472
POLY 1.5	P=0.275	P=0.512N	P=0.464	P=0.483
POLY 6	P=0.260	P=0.533N	P=0.421	P=0.451
COCH-ARM / FISHERS	P=0.281	P=0.500N	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.251	P=0.183N	P=0.252	P=0.265
HISTCONT SAME RTE	P=0.139	P=1.000	P=0.144	P=0.154
HISTCONT ALL RTES	P=0.241	P=1.000	P=0.209	P=0.231
CURR VS HC SAME RTE	P=0.803			
CURR VS HC ALL RTES	P=0.958			

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	9/50 (18%)	3/50 (6%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	9/44.78	3/40.63	0/38.00	3/40.49
POLY-3 PERCENT (g)	20.1%	7.4%	0%	7.4%
TERMINAL (d)	6/34 (18%)	1/27 (4%)	0/21 (0%)	2/23 (9%)
FIRST INCIDENCE	594	674	---	641
HC TUMORS SAME ROUTE	12/250 (5%)			
HC TUMORS ALL ROUTES	41/1248 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.126N	P=0.083N	P=0.004N**	P=0.083N
POLY 1.5	P=0.126N	P=0.072N	P=0.003N**	P=0.073N
POLY 6	P=0.130N	P=0.102N	P=0.006N**	P=0.107N
COCH-ARM / FISHERS	P=0.136N	P=0.061N	P<0.001N**	P=0.061N
MAX-ISO-POLY-3	P=0.008N**	P=0.052N	P=0.002N**	P=0.052N
HISTCONT SAME RTE	P=0.552	P=0.446	P=1.000	P=0.444
HISTCONT ALL RTES	P=0.299	P=0.181	P=1.000	P=0.179
CURR VS HC SAME RTE	P=0.005**			
CURR VS HC ALL RTES	P<0.001**			

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 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	3/50 (6%)	28/50 (56%)	36/50 (72%)	38/50 (76%)
POLY-3 RATE (b)	3/43.96	28/45.92	36/44.66	38/47.76
POLY-3 PERCENT (g)	6.8%	61%	80.6%	79.6%
TERMINAL (d)	3/34 (9%)	13/27 (48%)	14/21 (67%)	16/23 (70%)
FIRST INCIDENCE	726 (T)	400	477	516
HC TUMORS SAME ROUTE	10/250 (4%)			
HC TUMORS ALL ROUTES	50/1248 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.532			
CURR VS HC ALL RTES	P=0.476			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	31/50 (62%)	46/50 (92%)	33/50 (66%)	33/50 (66%)
POLY-3 RATE (b)	31/46.85	46/47.94	33/44.41	33/46.50
POLY-3 PERCENT (g)	66.2%	96%	74.3%	71%
TERMINAL (d)	22/34 (65%)	27/27 (100%)	16/21 (76%)	16/23 (70%)
FIRST INCIDENCE	482	400	308	443
HC TUMORS SAME ROUTE	121/250 (48%)			
HC TUMORS ALL ROUTES	684/1248 (55%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.171N	P<0.001**	P=0.260	P=0.388
POLY 1.5	P=0.178N	P<0.001**	P=0.295	P=0.391
POLY 6	P=0.189N	P<0.001**	P=0.213	P=0.364
COCH-ARM / FISHERS	P=0.189N	P<0.001**	P=0.418	P=0.418
MAX-ISO-POLY-3	P=0.057	P<0.001**	P=0.196	P=0.305
HISTCONT SAME RTE	P=0.102	P=0.002**	P=0.009**	P=0.011*
HISTCONT ALL RTEs	P=0.104	P<0.001**	P=0.059	P=0.100
CURR VS HC SAME RTE	P=0.079			
CURR VS HC ALL RTEs	P=0.296			



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	22/50 (44%)	31/50 (62%)	41/50 (82%)	47/50 (94%)
POLY-3 RATE (b)	22/46.83	31/43.88	41/44.31	47/47.59
POLY-3 PERCENT (g)	47%	70.6%	92.5%	98.8%
TERMINAL (d)	13/34 (38%)	20/27 (74%)	20/21 (95%)	23/23 (100%)
FIRST INCIDENCE	442	555	490	553
HC TUMORS SAME ROUTE	72/250 (29%)			
HC TUMORS ALL ROUTES	389/1248 (31%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.015*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.026*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.008**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.054	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.010**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.002**	P=0.005**	P=0.002**	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.043*			
CURR VS HC ALL RTEs	P=0.044*			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	24/50 (48%)	42/50 (84%)	45/50 (90%)	48/50 (96%)
POLY-3 RATE (b)	24/46.83	42/47.58	45/46.34	48/48.23
POLY-3 PERCENT (g)	51.3%	88.3%	97.1%	99.5%
TERMINAL (d)	15/34 (44%)	23/27 (85%)	20/21 (95%)	23/23 (100%)
FIRST INCIDENCE	442	400	477	516
HC TUMORS SAME ROUTE	79/250 (32%)			
HC TUMORS ALL ROUTES	421/1248 (34%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.004**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.027*			
CURR VS HC ALL RTES	P=0.030*			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	39/50 (78%)	46/50 (92%)	46/50 (92%)	49/50 (98%)
POLY-3 RATE (b)	39/49.15	46/47.94	46/46.68	49/49.00
POLY-3 PERCENT (g)	79.4%	96%	98.5%	100%
TERMINAL (d)	25/34 (74%)	27/27 (100%)	21/21 (100%)	23/23 (100%)
FIRST INCIDENCE	442	400	308	443
HC TUMORS SAME ROUTE	162/250 (65%)			
HC TUMORS ALL ROUTES	879/1248 (70%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.011*	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	P=0.018*	P=0.004**	P<0.001**
POLY 6	P<0.001**	P=0.006**	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P=0.007**	P=0.045*	P=0.045*	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.005**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.018*	P=0.007**	P=0.006**	P=0.004**
HISTCONT ALL RTEs	P=0.002**	P=0.004**	P=0.002**	P<0.001**
CURR VS HC SAME RTE	P=0.119			
CURR VS HC ALL RTEs	P=0.300			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	39/50 (78%)	48/50 (96%)	48/50 (96%)	49/50 (98%)
POLY-3 RATE (b)	39/49.15	48/48.74	48/48.02	49/49.00
POLY-3 PERCENT (g)	79.4%	98.5%	100%	100%
TERMINAL (d)	25/34 (74%)	27/27 (100%)	21/21 (100%)	23/23 (100%)
FIRST INCIDENCE	442	400	308	443
HC TUMORS SAME ROUTE	165/250 (66%)			
HC TUMORS ALL ROUTES	889/1248 (71%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.002**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.003**	P<0.001**	P<0.001**
POLY 6	P=0.002**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.011*	P=0.007**	P=0.007**	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.021*	P=0.005**	P=0.005**	P=0.004**
HISTCONT ALL RTEs	P=0.003**	P=0.003**	P=0.002**	P<0.001**
CURR VS HC SAME RTE	P=0.153			
CURR VS HC ALL RTEs	P=0.349			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/43.96	2/40.72	0/38.00	1/40.82
POLY-3 PERCENT (g)	0%	4.9%	0%	2.5%
TERMINAL (d)	0/34 (0%)	1/27 (4%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	---	615	---	516
HC TUMORS SAME ROUTE	7/250 (3%)			
HC TUMORS ALL ROUTES	10/1248 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.594	P=0.220	(e)	P=0.485
POLY 1.5	P=0.604	P=0.228	(e)	P=0.491
POLY 6	P=0.573	P=0.210	(e)	P=0.473
COCH-ARM / FISHERS	P=0.617	P=0.247	(e)	P=0.500
MAX-ISO-POLY-3	P=0.324	P=0.075	(e)	P=0.158
HISTCONT SAME RTE	P=1.000	P=0.454	(e)	P=1.000
HISTCONT ALL RTES	P=0.428	P=0.053	(e)	P=0.426
CURR VS HC SAME RTE	P=0.293			
CURR VS HC ALL RTES	P=0.640			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	8/50 (16%)	6/50 (12%)	5/50 (10%)	1/50 (2%)
POLY-3 RATE (b)	8/44.73	6/41.57	5/38.58	1/40.18
POLY-3 PERCENT (g)	17.9%	14.4%	13%	2.5%
TERMINAL (d)	5/34 (15%)	2/27 (7%)	3/21 (14%)	1/23 (4%)
FIRST INCIDENCE	592	555	611	726 (T)
HC TUMORS SAME ROUTE	34/250 (14%)			
HC TUMORS ALL ROUTES	195/1250 (16%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.020N*	P=0.444N	P=0.377N	P=0.024N*
POLY 1.5	P=0.018N*	P=0.419N	P=0.342N	P=0.020N*
POLY 6	P=0.025N*	P=0.482N	P=0.431N	P=0.032N*
COCH-ARM / FISHERS	P=0.016N*	P=0.387N	P=0.277N	P=0.015N*
MAX-ISO-POLY-3	P=0.028N*	P=0.337N	P=0.284N	P=0.013N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.627			
CURR VS HC ALL RTES	P=0.898			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	11/50 (22%)	8/50 (16%)	5/50 (10%)	3/50 (6%)
POLY-3 RATE (b)	11/45.10	8/40.52	5/38.00	3/41.09
POLY-3 PERCENT (g)	24.4%	19.7%	13.2%	7.3%
TERMINAL (d)	8/34 (24%)	7/27 (26%)	5/21 (24%)	0/23 (0%)
FIRST INCIDENCE	482	674	726 (T)	553
HC TUMORS SAME ROUTE	15/250 (6%)			
HC TUMORS ALL ROUTES	156/1250 (13%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.022N*	P=0.399N	P=0.155N	P=0.029N*
POLY 1.5	P=0.022N*	P=0.357N	P=0.127N	P=0.025N*
POLY 6	P=0.026N*	P=0.462N	P=0.203N	P=0.039N*
COCH-ARM / FISHERS	P=0.022N*	P=0.306N	P=0.086N	P=0.020N*
MAX-ISO-POLY-3	P=0.027N*	P=0.312N	P=0.115N	P=0.018N*
HISTCONT SAME RTE	P=0.240	P=0.012*	P=0.069	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.192	P=1.000	P=1.000
CURR VS HC SAME RTE	P<0.001**			
CURR VS HC ALL RTES	P=0.042*			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	17/50 (34%)	14/50 (28%)	10/50 (20%)	4/50 (8%)
POLY-3 RATE (b)	17/45.85	14/41.77	10/38.58	4/41.09
POLY-3 PERCENT (g)	37.1%	33.5%	25.9%	9.7%
TERMINAL (d)	12/34 (35%)	9/27 (33%)	8/21 (38%)	1/23 (4%)
FIRST INCIDENCE	482	555	611	553
HC TUMORS SAME ROUTE	47/250 (19%)			
HC TUMORS ALL ROUTES	335/1250 (27%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001N**	P=0.450N	P=0.193N	P=0.002N**
POLY 1.5	P<0.001N**	P=0.398N	P=0.149N	P=0.002N**
POLY 6	P=0.002N**	P=0.526N	P=0.270N	P=0.004N**
COCH-ARM / FISHERS	P<0.001N**	P=0.333N	P=0.088N	P<0.001N**
MAX-ISO-POLY-3	P=0.002N**	P=0.368N	P=0.154N	P=0.002N**
HISTCONT SAME RTE	P=0.657	P=0.039*	P=0.247	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.285	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.015*			
CURR VS HC ALL RTES	P=0.248			



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
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 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/43.42	0/40.32	0/38.00	0/39.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	0/21 (0%)	0/22 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/247 (0%)			
HC TUMORS ALL ROUTES	6/1225 (1%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
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 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.96	0/40.32	0/38.00	0/40.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	15/1250 (1%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Skin</b>				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.96	0/40.32	0/38.00	0/40.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/250 (1%)			
HC TUMORS ALL ROUTES	13/1250 (1%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Skin</b>				
<b>Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.96	0/40.32	0/38.00	0/40.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/250 (0%)			
HC TUMORS ALL ROUTES	4/1250 (0%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/43.96	2/40.58	1/38.00	1/40.22
POLY-3 PERCENT (g)	0%	4.9%	2.6%	2.5%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	1/21 (5%)	0/23 (0%)
FIRST INCIDENCE	---	687	726 (T)	717
HC TUMORS SAME ROUTE	9/250 (4%)			
HC TUMORS ALL ROUTES	22/1250 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.593	P=0.219	P=0.471	P=0.482
POLY 1.5	P=0.608	P=0.227	P=0.481	P=0.490
POLY 6	P=0.566	P=0.209	P=0.457	P=0.469
COCH-ARM / FISHERS	P=0.627	P=0.247	P=0.500	P=0.500
MAX-ISO-POLY-3	P=0.271	P=0.075	P=0.158	P=0.158
HISTCONT SAME RTE	P=1.000	P=1.000	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.615	P=0.287	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.356			
CURR VS HC ALL RTES	P=0.428			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Thyroid Gland: Follicular Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	0/49 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/42.96	0/39.32	2/38.00	2/40.18
POLY-3 PERCENT (g)	0%	0%	5.3%	5%
TERMINAL (d)	0/33 (0%)	0/26 (0%)	2/21 (10%)	2/23 (9%)
FIRST INCIDENCE	---	---	726 (T)	726 (T)
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	16/1244 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.125	(e)	P=0.211	P=0.222
POLY 1.5	P=0.131	(e)	P=0.221	P=0.230
POLY 6	P=0.114	(e)	P=0.197	P=0.208
COCH-ARM / FISHERS	P=0.140	(e)	P=0.253	P=0.253
MAX-ISO-POLY-3	P=0.114	(e)	P=0.076	P=0.076
HISTCONT SAME RTE	P=0.030*	(e)	P=0.025*	P=0.024*
HISTCONT ALL RTES	P=0.097	(e)	P=0.109	P=0.116
CURR VS HC SAME RTE	P=1.000			
CURR VS HC ALL RTES	P=0.461			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	9/50 (18%)	5/50 (10%)	0/50 (0%)	4/50 (8%)
POLY-3 RATE (b)	9/44.78	5/40.63	0/38.00	4/40.49
POLY-3 PERCENT (g)	20.1%	12.3%	0%	9.9%
TERMINAL (d)	6/34 (18%)	3/27 (11%)	0/21 (0%)	3/23 (13%)
FIRST INCIDENCE	594	674	---	641
HC TUMORS SAME ROUTE	22/250 (9%)			
HC TUMORS ALL ROUTES	91/1250 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.178N	P=0.249N	P=0.004N**	P=0.156N
POLY 1.5	P=0.175N	P=0.223N	P=0.003N**	P=0.138N
POLY 6	P=0.190N	P=0.291N	P=0.006N**	P=0.193N
COCH-ARM / FISHERS	P=0.179N	P=0.194N	P<0.001N**	P=0.117N
MAX-ISO-POLY-3	P=0.023N*	P=0.177N	P=0.002N**	P=0.105N
HISTCONT SAME RTE	P=0.697	P=0.387	P=1.000	P=1.000
HISTCONT ALL RTEs	P=0.580	P=0.186	P=1.000	P=0.430
CURR VS HC SAME RTE	P=0.045*			
CURR VS HC ALL RTEs	P=0.004**			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	9/50 (18%)	5/50 (10%)	1/50 (2%)	4/50 (8%)
POLY-3 RATE (b)	9/44.78	5/40.63	1/38.00	4/40.49
POLY-3 PERCENT (g)	20.1%	12.3%	2.6%	9.9%
TERMINAL (d)	6/34 (18%)	3/27 (11%)	1/21 (5%)	3/23 (13%)
FIRST INCIDENCE	594	674	726 (T)	641
HC TUMORS SAME ROUTE	24/250 (10%)			
HC TUMORS ALL ROUTES	104/1250 (8%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.180N	P=0.249N	P=0.016N*	P=0.156N
POLY 1.5	P=0.176N	P=0.223N	P=0.013N*	P=0.138N
POLY 6	P=0.194N	P=0.291N	P=0.024N*	P=0.193N
COCH-ARM / FISHERS	P=0.177N	P=0.194N	P=0.008N**	P=0.117N
MAX-ISO-POLY-3	P=0.042N*	P=0.177N	P=0.011N*	P=0.105N
HISTCONT SAME RTE	P=1.000	P=0.483	P=1.000	P=1.000
HISTCONT ALL RTES	P=0.710	P=0.303	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.090			
CURR VS HC ALL RTES	P=0.016*			



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/43.96	0/40.32	0/38.00	0/40.18
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/34 (0%)	0/27 (0%)	0/21 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/250 (0%)			
HC TUMORS ALL ROUTES	5/1250 (0%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/43.96	3/40.48	1/38.00	0/40.18
POLY-3 PERCENT (g)	2.3%	7.4%	2.6%	0%
TERMINAL (d)	1/34 (3%)	2/27 (7%)	1/21 (5%)	0/23 (0%)
FIRST INCIDENCE	726 (T)	687	726 (T)	---
HC TUMORS SAME ROUTE	5/250 (2%)			
HC TUMORS ALL ROUTES	48/1250 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.195N	P=0.276	P=0.727	P=0.518N
POLY 1.5	P=0.186N	P=0.289	P=0.739	P=0.510N
POLY 6	P=0.212N	P=0.257	P=0.710	P=0.532N
COCH-ARM / FISHERS	P=0.177N	P=0.309	P=0.753N	P=0.500N
MAX-ISO-POLY-3	P=0.179N	P=0.144	P=0.461	P=0.180N
HISTCONT SAME RTE	P=0.575	P=0.051	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.237	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.973			
CURR VS HC ALL RTES	P=0.529			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	38/50 (76%)	47/50 (94%)	36/50 (72%)	35/50 (70%)
POLY-3 RATE (b)	38/47.62	47/48.09	36/44.81	35/46.54
POLY-3 PERCENT (g)	79.8%	97.7%	80.3%	75.2%
TERMINAL (d)	26/34 (77%)	27/27 (100%)	18/21 (86%)	17/23 (74%)
FIRST INCIDENCE	482	400	308	443
HC TUMORS SAME ROUTE	160/250 (64%)			
HC TUMORS ALL ROUTES	868/1250 (69%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.040N*	P=0.003**	P=0.581	P=0.383N
POLY 1.5	P=0.042N*	P=0.005**	P=0.575N	P=0.367N
POLY 6	P=0.053N	P=0.003**	P=0.501	P=0.442N
COCH-ARM / FISHERS	P=0.051N	P=0.011*	P=0.410N	P=0.326N
MAX-ISO-POLY-3	P=0.045N*	P<0.001**	P=0.473	P=0.293N
HISTCONT SAME RTE	P=0.160	P=0.003**	P=0.031*	P=0.117
HISTCONT ALL RTES	P=0.303	P=0.003**	P=0.231	P=0.443
CURR VS HC SAME RTE	P=0.099			
CURR VS HC ALL RTES	P=0.292			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	35/50 (70%)	46/50 (92%)	46/50 (92%)	48/50 (96%)
POLY-3 RATE (b)	35/48.71	46/48.74	46/47.09	48/48.23
POLY-3 PERCENT (g)	71.9%	94.4%	97.7%	99.5%
TERMINAL (d)	22/34 (65%)	25/27 (93%)	20/21 (95%)	23/23 (100%)
FIRST INCIDENCE	442	400	453	516
HC TUMORS SAME ROUTE	129/250 (52%)			
HC TUMORS ALL ROUTES	695/1250 (56%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.002**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.002**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.002**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.004**	P=0.005**	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.015*	P=0.005**	P=0.005**	P=0.004**
HISTCONT ALL RTEs	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.035*			
CURR VS HC ALL RTEs	P=0.040*			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Males			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	44/50 (88%)	48/50 (96%)	48/50 (96%)	49/50 (98%)
POLY-3 RATE (b)	44/49.17	48/48.74	48/48.02	49/49.00
POLY-3 PERCENT (g)	89.5%	98.5%	100%	100%
TERMINAL (d)	29/34 (85%)	27/27 (100%)	21/21 (100%)	23/23 (100%)
FIRST INCIDENCE	442	400	308	443
HC TUMORS SAME ROUTE	212/250 (85%)			
HC TUMORS ALL ROUTES	1107/1250 (89%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.030*	P=0.066	P=0.028*	P=0.026*
POLY 1.5	P=0.024*	P=0.080	P=0.027*	P=0.022*
POLY 6	P=0.036*	P=0.052	P=0.032*	P=0.030*
COCH-ARM / FISHERS	P=0.088	P=0.134	P=0.134	P=0.056
MAX-ISO-POLY-3	P<0.001**	P=0.026*	P=0.010**	P=0.008**
HISTCONT SAME RTE	P=0.053	P=0.038*	P=0.029*	P=0.028*
HISTCONT ALL RTES	P=0.036*	P=0.065	P=0.040*	P=0.037*
CURR VS HC SAME RTE	P=0.524			
CURR VS HC ALL RTES	P=0.969			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Adrenal Cortex</b>				
<b>Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.60	0/45.43	0/46.73	0/45.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/36 (0%)	0/43 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/246 (1%)			
HC TUMORS ALL ROUTES	5/1292 (0%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Adrenal Medulla</b>				
<b>Pheochromocytoma: Benign, Complex, Malignant, NOS</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.60	2/45.76	0/46.73	0/45.56
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/31 (0%)	1/36 (3%)	0/43 (0%)	0/36 (0%)
FIRST INCIDENCE	---	634	---	---
HC TUMORS SAME ROUTE	2/246 (1%)			
HC TUMORS ALL ROUTES	17/1290 (1%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.364N	P=0.265	(e)	(e)
POLY 1.5	P=0.363N	P=0.264	(e)	(e)
POLY 6	P=0.366N	P=0.265	(e)	(e)
COCH-ARM / FISHERS	P=0.392N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.278N	P=0.102	(e)	(e)
HISTCONT SAME RTE	P=0.633	P=0.078	(e)	(e)
HISTCONT ALL RTES	P=1.000	P=0.131	(e)	(e)
CURR VS HC SAME RTE	P=0.558			
CURR VS HC ALL RTES	P=0.572			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Harderian Gland Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	5/50 (10%)	3/50 (6%)	2/50 (4%)	10/50 (20%)
POLY-3 RATE (b)	5/40.88	3/45.52	2/46.73	10/46.28
POLY-3 PERCENT (g)	12.2%	6.6%	4.3%	21.6%
TERMINAL (d)	4/31 (13%)	2/36 (6%)	2/43 (5%)	8/36 (22%)
FIRST INCIDENCE	653	704	727 (T)	609
HC TUMORS SAME ROUTE	33/248 (13%)			
HC TUMORS ALL ROUTES	135/1298 (10%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.018*	P=0.299N	P=0.166N	P=0.192
POLY 1.5	P=0.018*	P=0.299N	P=0.173N	P=0.189
POLY 6	P=0.017*	P=0.301N	P=0.156N	P=0.192
COCH-ARM / FISHERS	P=0.016*	P=0.357N	P=0.218N	P=0.131
MAX-ISO-POLY-3	P=0.028*	P=0.197N	P=0.100N	P=0.138
HISTCONT SAME RTE	P=0.299	P=1.000	P=1.000	P=0.231
HISTCONT ALL RTES	P=0.100	P=1.000	P=1.000	P=0.021*
CURR VS HC SAME RTE	P=0.727			
CURR VS HC ALL RTES	P=0.889			



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Harderian Gland Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	1/40.60	0/45.43	4/47.21	1/45.56
POLY-3 PERCENT (g)	2.5%	0%	8.5%	2.2%
TERMINAL (d)	1/31 (3%)	0/36 (0%)	3/43 (7%)	1/36 (3%)
FIRST INCIDENCE	727 (T)	---	587	727 (T)
HC TUMORS SAME ROUTE	2/248 (1%)			
HC TUMORS ALL ROUTES	33/1298 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.641	P=0.478N	P=0.228	P=0.734N
POLY 1.5	P=0.639	P=0.478N	P=0.218	P=0.735N
POLY 6	P=0.642	P=0.478N	P=0.242	P=0.735N
COCH-ARM / FISHERS	P=0.605	P=0.500N	P=0.181	P=0.753N
MAX-ISO-POLY-3	P=0.253	P=0.158N	P=0.131	P=0.468N
HISTCONT SAME RTE	P=0.141	P=1.000	P=0.010**	P=1.000
HISTCONT ALL RTES	P=0.329	P=1.000	P=0.013*	P=1.000
CURR VS HC SAME RTE	P=0.323			
CURR VS HC ALL RTES	P=0.901			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Harderian Gland Carcinoma or Adenoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	6/50 (12%)	3/50 (6%)	6/50 (12%)	10/50 (20%)
POLY-3 RATE (b)	6/40.88	3/45.52	6/47.21	10/46.28
POLY-3 PERCENT (g)	14.7%	6.6%	12.7%	21.6%
TERMINAL (d)	5/31 (16%)	2/36 (6%)	5/43 (12%)	8/36 (22%)
FIRST INCIDENCE	653	704	587	609
HC TUMORS SAME ROUTE	35/248 (14%)			
HC TUMORS ALL ROUTES	167/1298 (13%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.061	P=0.191N	P=0.517N	P=0.290
POLY 1.5	P=0.061	P=0.192N	P=0.535N	P=0.286
POLY 6	P=0.061	P=0.193N	P=0.493N	P=0.291
COCH-ARM / FISHERS	P=0.050*	P=0.243N	P=0.620N	P=0.207
MAX-ISO-POLY-3	P=0.098	P=0.122N	P=0.400N	P=0.217
HISTCONT SAME RTE	P=0.347	P=1.000	P=1.000	P=0.260
HISTCONT ALL RTES	P=0.209	P=1.000	P=1.000	P=0.079
CURR VS HC SAME RTE	P=0.898			
CURR VS HC ALL RTES	P=0.928			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
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 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Intestine Small: Jejunum Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.60	0/45.43	0/46.73	0/45.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/36 (0%)	0/43 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/248 (0%)			
HC TUMORS ALL ROUTES	4/1298 (0%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Intestine Small: Site Unspecified Carcinoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.60	0/45.43	0/46.73	0/45.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/36 (0%)	0/43 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	1/248 (0%)			
HC TUMORS ALL ROUTES	5/1298 (0%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
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 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/40.60	1/45.43	1/46.73	0/45.56
POLY-3 PERCENT (g)	0%	2.2%	2.1%	0%
TERMINAL (d)	0/31 (0%)	1/36 (3%)	1/43 (2%)	0/36 (0%)
FIRST INCIDENCE	---	727 (T)	727 (T)	---
HC TUMORS SAME ROUTE	1/247 (0%)			
HC TUMORS ALL ROUTES	13/1296 (1%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	1/50 (2%)	8/50 (16%)	11/50 (22%)
POLY-3 RATE (b)	1/40.60	1/45.43	8/46.73	11/46.22
POLY-3 PERCENT (g)	2.5%	2.2%	17.1%	23.8%
TERMINAL (d)	1/31 (3%)	1/36 (3%)	8/43 (19%)	8/36 (22%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	609
HC TUMORS SAME ROUTE	0/247 (0%)			
HC TUMORS ALL ROUTES	2/1296 (0%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.735N	P=0.028*	P=0.004**
POLY 1.5	P<0.001**	P=0.735N	P=0.025*	P=0.004**
POLY 6	P<0.001**	P=0.736N	P=0.031*	P=0.004**
COCH-ARM / FISHERS	P<0.001**	P=0.753N	P=0.015*	P=0.002**
MAX-ISO-POLY-3	P<0.001**	P=0.469N	P=0.016*	P=0.002**
HISTCONT SAME RTE	P=0.003**	P=0.126	P=0.002**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.043*	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.006**			
CURR VS HC ALL RTES	P=0.005**			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	17/50 (34%)	37/50 (74%)	41/50 (82%)	48/50 (96%)
POLY-3 RATE (b)	17/41.44	37/47.25	41/47.16	48/50.00
POLY-3 PERCENT (g)	41%	78.3%	86.9%	96%
TERMINAL (d)	14/31 (45%)	29/36 (81%)	38/43 (88%)	34/36 (94%)
FIRST INCIDENCE	589	596	628	497
HC TUMORS SAME ROUTE	41/247 (17%)			
HC TUMORS ALL ROUTES	353/1296 (27%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.004**			
CURR VS HC ALL RTES	P=0.148			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	9/50 (18%)	10/50 (20%)	15/50 (30%)	44/50 (88%)
POLY-3 RATE (b)	9/41.50	10/45.86	15/46.77	44/47.96
POLY-3 PERCENT (g)	21.7%	21.8%	32.1%	91.7%
TERMINAL (d)	5/31 (16%)	8/36 (22%)	14/43 (33%)	34/36 (94%)
FIRST INCIDENCE	653	656	718	593
HC TUMORS SAME ROUTE	14/247 (6%)			
HC TUMORS ALL ROUTES	136/1296 (11%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.596	P=0.197	P<0.001**
POLY 1.5	P<0.001**	P=0.600	P=0.187	P<0.001**
POLY 6	P<0.001**	P=0.585	P=0.209	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.121	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.494	P=0.150	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.007**	P=0.003**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.106	P=0.005**	P<0.001**
CURR VS HC SAME RTE	P=0.002**			
CURR VS HC ALL RTES	P=0.058			



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	10/50 (20%)	11/50 (22%)	18/50 (36%)	44/50 (88%)
POLY-3 RATE (b)	10/41.50	11/45.86	18/46.77	44/47.96
POLY-3 PERCENT (g)	24.1%	24%	38.5%	91.7%
TERMINAL (d)	6/31 (19%)	9/36 (25%)	17/43 (40%)	34/36 (94%)
FIRST INCIDENCE	653	656	718	593
HC TUMORS SAME ROUTE	14/247 (6%)			
HC TUMORS ALL ROUTES	138/1296 (11%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.594N	P=0.110	P<0.001**
POLY 1.5	P<0.001**	P=0.589N	P=0.103	P<0.001**
POLY 6	P<0.001**	P=0.590	P=0.119	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.059	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.495N	P=0.084	P<0.001**
HISTCONT SAME RTE	P<0.001**	P=0.005**	P=0.002**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.065	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P<0.001**			
CURR VS HC ALL RTES	P=0.024*			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma or Hepatocellular Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	20/50 (40%)	39/50 (78%)	41/50 (82%)	49/50 (98%)
POLY-3 RATE (b)	20/41.97	39/47.51	41/47.16	49/50.00
POLY-3 PERCENT (g)	47.7%	82.1%	86.9%	98%
TERMINAL (d)	15/31 (48%)	30/36 (83%)	38/43 (88%)	35/36 (97%)
FIRST INCIDENCE	589	596	628	497
HC TUMORS SAME ROUTE	51/247 (21%)			
HC TUMORS ALL ROUTES	428/1296 (33%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.002**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTEs	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.004**			
CURR VS HC ALL RTEs	P=0.147			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	20/50 (40%)	39/50 (78%)	41/50 (82%)	49/50 (98%)
POLY-3 RATE (b)	20/41.97	39/47.51	41/47.16	49/50.00
POLY-3 PERCENT (g)	47.7%	82.1%	86.9%	98%
TERMINAL (d)	15/31 (48%)	30/36 (83%)	38/43 (88%)	35/36 (97%)
FIRST INCIDENCE	589	596	628	497
HC TUMORS SAME ROUTE	51/247 (21%)			
HC TUMORS ALL ROUTES	429/1296 (33%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.002**	P<0.001**	P<0.001**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P<0.001**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.004**			
CURR VS HC ALL RTES	P=0.150			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Liver</b>				
<b>Hepatocholangiocarcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/40.60	0/45.43	0/46.73	0/45.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/31 (0%)	0/36 (0%)	0/43 (0%)	0/36 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	0/247 (0%)			
HC TUMORS ALL ROUTES	0/1296 (0%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Lung</b>				
<b>Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/40.60	0/45.43	0/46.73	1/45.56
POLY-3 PERCENT (g)	0%	0%	0%	2.2%
TERMINAL (d)	0/31 (0%)	0/36 (0%)	0/43 (0%)	1/36 (3%)
FIRST INCIDENCE	---	---	---	727 (T)
HC TUMORS SAME ROUTE	14/246 (6%)			
HC TUMORS ALL ROUTES	64/1296 (5%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/40.86	2/45.59	2/46.73	3/45.97
POLY-3 PERCENT (g)	2.5%	4.4%	4.3%	6.5%
TERMINAL (d)	0/31 (0%)	1/36 (3%)	2/43 (5%)	2/36 (6%)
FIRST INCIDENCE	659	685	727 (T)	609
HC TUMORS SAME ROUTE	6/246 (2%)			
HC TUMORS ALL ROUTES	53/1296 (4%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.308	P=0.538	P=0.547	P=0.349
POLY 1.5	P=0.307	P=0.538	P=0.539	P=0.348
POLY 6	P=0.307	P=0.536	P=0.556	P=0.348
COCH-ARM / FISHERS	P=0.274	P=0.500	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.323	P=0.322	P=0.331	P=0.198
HISTCONT SAME RTE	P=0.122	P=0.422	P=0.437	P=0.128
HISTCONT ALL RTES	P=0.486	P=1.000	P=1.000	P=0.364
CURR VS HC SAME RTE	P=0.928			
CURR VS HC ALL RTES	P=0.552			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Lung</b>				
<b>Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/40.86	2/45.59	2/46.73	4/45.97
POLY-3 PERCENT (g)	2.5%	4.4%	4.3%	8.7%
TERMINAL (d)	0/31 (0%)	1/36 (3%)	2/43 (5%)	3/36 (8%)
FIRST INCIDENCE	659	685	727 (T)	609
HC TUMORS SAME ROUTE	20/246 (8%)			
HC TUMORS ALL ROUTES	113/1296 (9%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.149	P=0.538	P=0.547	P=0.217
POLY 1.5	P=0.149	P=0.538	P=0.539	P=0.216
POLY 6	P=0.148	P=0.536	P=0.556	P=0.216
COCH-ARM / FISHERS	P=0.128	P=0.500	P=0.500	P=0.181
MAX-ISO-POLY-3	P=0.177	P=0.322	P=0.331	P=0.120
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.157			
CURR VS HC ALL RTES	P=0.139			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Ovary</b>				
<b>Cystadenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/41.21	3/45.85	1/45.77	1/45.56
POLY-3 PERCENT (g)	4.9%	6.5%	2.2%	2.2%
TERMINAL (d)	1/31 (3%)	1/36 (3%)	1/43 (2%)	1/36 (3%)
FIRST INCIDENCE	531	659	727 (T)	727 (T)
HC TUMORS SAME ROUTE	13/245 (5%)			
HC TUMORS ALL ROUTES	66/1275 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.294N	P=0.548	P=0.464N	P=0.465N
POLY 1.5	P=0.291N	P=0.548	P=0.470N	P=0.464N
POLY 6	P=0.298N	P=0.548	P=0.454N	P=0.468N
COCH-ARM / FISHERS	P=0.311N	P=0.500	P=0.508N	P=0.500N
MAX-ISO-POLY-3	P=0.348N	P=0.374	P=0.262N	P=0.262N
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=0.800			
CURR VS HC ALL RTES	P=0.822			



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Pituitary Gland: Pars Distalis or Unspecified Site Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	4/50 (8%)	2/50 (4%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	4/40.60	2/45.43	1/45.77	0/45.56
POLY-3 PERCENT (g)	9.9%	4.4%	2.2%	0%
TERMINAL (d)	4/31 (13%)	2/36 (6%)	1/43 (2%)	0/36 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	---
HC TUMORS SAME ROUTE	10/245 (4%)			
HC TUMORS ALL ROUTES	84/1273 (7%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.056N	P=0.287N	P=0.145N	P=0.047N*
POLY 1.5	P=0.055N	P=0.288N	P=0.151N	P=0.047N*
POLY 6	P=0.056N	P=0.288N	P=0.136N	P=0.047N*
COCH-ARM / FISHERS	P=0.058N	P=0.339N	P=0.187N	P=0.059N
MAX-ISO-POLY-3	P=0.023N*	P=0.176N	P=0.076N	P=0.019N*
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.178			
CURR VS HC ALL RTES	P=0.560			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Skin</b>				
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/40.94	3/46.29	1/46.73	0/45.56
POLY-3 PERCENT (g)	7.3%	6.5%	2.1%	0%
TERMINAL (d)	1/31 (3%)	1/36 (3%)	1/43 (2%)	0/36 (0%)
FIRST INCIDENCE	659	447	727 (T)	---
HC TUMORS SAME ROUTE	8/248 (3%)			
HC TUMORS ALL ROUTES	65/1298 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.065N	P=0.604N	P=0.260N	P=0.101N
POLY 1.5	P=0.064N	P=0.606N	P=0.267N	P=0.100N
POLY 6	P=0.066N	P=0.606N	P=0.251N	P=0.102N
COCH-ARM / FISHERS	P=0.070N	P=0.661N	P=0.309N	P=0.121N
MAX-ISO-POLY-3	P=0.081N	P=0.440N	P=0.139N	P=0.038N*
HISTCONT SAME RTE	P=1.000	P=0.227	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=0.299			
CURR VS HC ALL RTES	P=0.638			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Skin</b>				
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/40.94	3/46.29	1/46.73	0/45.56
POLY-3 PERCENT (g)	7.3%	6.5%	2.1%	0%
TERMINAL (d)	1/31 (3%)	1/36 (3%)	1/43 (2%)	0/36 (0%)
FIRST INCIDENCE	659	447	727 (T)	---
HC TUMORS SAME ROUTE	8/248 (3%)			
HC TUMORS ALL ROUTES	65/1298 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.065N	P=0.604N	P=0.260N	P=0.101N
POLY 1.5	P=0.064N	P=0.606N	P=0.267N	P=0.100N
POLY 6	P=0.066N	P=0.606N	P=0.251N	P=0.102N
COCH-ARM / FISHERS	P=0.070N	P=0.661N	P=0.309N	P=0.121N
MAX-ISO-POLY-3	P=0.081N	P=0.440N	P=0.139N	P=0.038N*
HISTCONT SAME RTE	P=1.000	P=0.227	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=0.299			
CURR VS HC ALL RTES	P=0.638			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Skin</b>				
<b>Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	3/50 (6%)	3/50 (6%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	3/40.94	3/46.29	0/46.73	0/45.56
POLY-3 PERCENT (g)	7.3%	6.5%	0%	0%
TERMINAL (d)	1/31 (3%)	1/36 (3%)	0/43 (0%)	0/36 (0%)
FIRST INCIDENCE	659	447	---	---
HC TUMORS SAME ROUTE	4/248 (2%)			
HC TUMORS ALL ROUTES	33/1298 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.058N	P=0.604N	P=0.097N	P=0.101N
POLY 1.5	P=0.058N	P=0.606N	P=0.100N	P=0.100N
POLY 6	P=0.059N	P=0.606N	P=0.093N	P=0.102N
COCH-ARM / FISHERS	P=0.062N	P=0.661N	P=0.121N	P=0.121N
MAX-ISO-POLY-3	P=0.061N	P=0.440N	P=0.038N*	P=0.038N*
HISTCONT SAME RTE	P=0.725	P=0.105	P=1.000	P=1.000
HISTCONT ALL RTES	P=1.000	P=0.185	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.053			
CURR VS HC ALL RTES	P=0.110			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Stomach, Forestomach Squamous Cell Papilloma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/40.71	1/45.43	0/46.73	0/45.56
POLY-3 PERCENT (g)	4.9%	2.2%	0%	0%
TERMINAL (d)	1/31 (3%)	1/36 (3%)	0/43 (0%)	0/36 (0%)
FIRST INCIDENCE	700	727 (T)	---	---
HC TUMORS SAME ROUTE	9/248 (4%)			
HC TUMORS ALL ROUTES	22/1298 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.191N	P=0.462N	P=0.208N	P=0.213N
POLY 1.5	P=0.189N	P=0.462N	P=0.213N	P=0.213N
POLY 6	P=0.192N	P=0.464N	P=0.202N	P=0.214N
COCH-ARM / FISHERS	P=0.186N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.080N	P=0.260N	P=0.076N	P=0.075N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	P=1.000	P=1.000	P=1.000	P=1.000
CURR VS HC SAME RTE	P=0.813			
CURR VS HC ALL RTEs	P=0.197			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Thyroid Gland: Follicular Cell Adenoma</b>				
<b>TUMOR RATES</b>				
OVERALL (a)	0/49 (0%)	0/48 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/39.60	0/43.43	0/45.77	0/43.56
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/30 (0%)	0/34 (0%)	0/43 (0%)	0/34 (0%)
FIRST INCIDENCE	---	---	---	---
HC TUMORS SAME ROUTE	2/246 (1%)			
HC TUMORS ALL ROUTES	18/1287 (1%)			
<b>STATISTICAL TESTS</b>				
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. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
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 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>Uterus</b>				
<b>Sarcoma Stromal or Polyp Stromal</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/40.68	0/45.43	1/46.73	0/45.56
POLY-3 PERCENT (g)	4.9%	0%	2.1%	0%
TERMINAL (d)	1/31 (3%)	0/36 (0%)	1/43 (2%)	0/36 (0%)
FIRST INCIDENCE	708	---	727 (T)	---
HC TUMORS SAME ROUTE	3/248 (1%)			
HC TUMORS ALL ROUTES	31/1298 (2%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.283N	P=0.213N	P=0.452N	P=0.213N
POLY 1.5	P=0.282N	P=0.214N	P=0.460N	P=0.213N
POLY 6	P=0.284N	P=0.214N	P=0.441N	P=0.213N
COCH-ARM / FISHERS	P=0.276N	P=0.247N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.080N	P=0.075N	P=0.255N	P=0.075N
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=0.091			
CURR VS HC ALL RTES	P=0.409			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
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 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Hemangiosarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/40.60	1/45.43	1/46.73	0/45.56
POLY-3 PERCENT (g)	4.9%	2.2%	2.1%	0%
TERMINAL (d)	2/31 (7%)	1/36 (3%)	1/43 (2%)	0/36 (0%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	---
HC TUMORS SAME ROUTE	6/248 (2%)			
HC TUMORS ALL ROUTES	59/1298 (5%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.198N	P=0.461N	P=0.451N	P=0.212N
POLY 1.5	P=0.197N	P=0.462N	P=0.460N	P=0.213N
POLY 6	P=0.199N	P=0.462N	P=0.440N	P=0.213N
COCH-ARM / FISHERS	P=0.200N	P=0.500N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.124N	P=0.259N	P=0.255N	P=0.075N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.504			
CURR VS HC ALL RTEs	P=0.979			



TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Hemangiosarcoma or Hemangioma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/40.60	1/45.43	1/46.73	1/45.56
POLY-3 PERCENT (g)	4.9%	2.2%	2.1%	2.2%
TERMINAL (d)	2/31 (7%)	1/36 (3%)	1/43 (2%)	1/36 (3%)
FIRST INCIDENCE	727 (T)	727 (T)	727 (T)	727 (T)
HC TUMORS SAME ROUTE	10/248 (4%)			
HC TUMORS ALL ROUTES	73/1298 (6%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.494N	P=0.461N	P=0.451N	P=0.460N
POLY 1.5	P=0.493N	P=0.462N	P=0.460N	P=0.461N
POLY 6	P=0.497N	P=0.462N	P=0.440N	P=0.461N
COCH-ARM / FISHERS	P=0.500N	P=0.500N	P=0.500N	P=0.500N
MAX-ISO-POLY-3	P=0.386N	P=0.259N	P=0.255N	P=0.259N
HISTCONT SAME RTE	(h)	(h)	(h)	(h)
HISTCONT ALL RTEs	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.914			
CURR VS HC ALL RTEs	P=0.753			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
 Time Report Requested: 15:13:14  
 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Histiocytic Sarcoma</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	3/50 (6%)	3/50 (6%)
POLY-3 RATE (b)	1/40.71	1/45.43	3/47.55	3/46.30
POLY-3 PERCENT (g)	2.5%	2.2%	6.3%	6.5%
TERMINAL (d)	0/31 (0%)	1/36 (3%)	2/43 (5%)	1/36 (3%)
FIRST INCIDENCE	700	727 (T)	414	589
HC TUMORS SAME ROUTE	7/248 (3%)			
HC TUMORS ALL ROUTES	35/1298 (3%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.250	P=0.736N	P=0.363	P=0.353
POLY 1.5	P=0.247	P=0.736N	P=0.352	P=0.350
POLY 6	P=0.253	P=0.737N	P=0.376	P=0.355
COCH-ARM / FISHERS	P=0.216	P=0.753N	P=0.309	P=0.309
MAX-ISO-POLY-3	P=0.316	P=0.470N	P=0.213	P=0.202
HISTCONT SAME RTE	P=0.227	P=1.000	P=0.235	P=0.225
HISTCONT ALL RTES	P=0.069	P=1.000	P=0.096	P=0.088
CURR VS HC SAME RTE	P=0.830			
CURR VS HC ALL RTES	P=0.857			

TDMS No. 99031 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS  
 Ginkgo biloba extract  
 CAS Number: 90045-36-6

Date Report Requested: 04/13/2011  
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 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	11/50 (22%)	9/50 (18%)	7/50 (14%)	2/50 (4%)
POLY-3 RATE (b)	11/41.33	9/46.13	7/46.77	2/45.77
POLY-3 PERCENT (g)	26.6%	19.5%	15%	4.4%
TERMINAL (d)	8/31 (26%)	7/36 (19%)	6/43 (14%)	1/36 (3%)
FIRST INCIDENCE	547	596	718	672
HC TUMORS SAME ROUTE	32/248 (13%)			
HC TUMORS ALL ROUTES	257/1298 (20%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.004N**	P=0.297N	P=0.138N	P=0.003N**
POLY 1.5	P=0.004N**	P=0.299N	P=0.148N	P=0.003N**
POLY 6	P=0.005N**	P=0.298N	P=0.126N	P=0.003N**
COCH-ARM / FISHERS	P=0.007N**	P=0.402N	P=0.218N	P=0.007N**
MAX-ISO-POLY-3	P=0.006N**	P=0.228N	P=0.101N	P=0.002N**
HISTCONT SAME RTE	P=1.000	P=0.239	P=1.000	P=1.000
HISTCONT ALL RTES	(h)	(h)	(h)	(h)
CURR VS HC SAME RTE	P=0.062			
CURR VS HC ALL RTES	P=0.468			

TDMS No. 99031 - 04  
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 Species/Strain: MICE/B6C3F1

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 Ginkgo biloba extract  
 CAS Number: 90045-36-6

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 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	25/50 (50%)	39/50 (78%)	41/50 (82%)	48/50 (96%)
POLY-3 RATE (b)	25/42.51	39/47.50	41/47.16	48/50.00
POLY-3 PERCENT (g)	58.8%	82.1%	86.9%	96%
TERMINAL (d)	18/31 (58%)	30/36 (83%)	38/43 (88%)	34/36 (94%)
FIRST INCIDENCE	531	596	628	497
HC TUMORS SAME ROUTE	118/248 (48%)			
HC TUMORS ALL ROUTES	654/1298 (50%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.010**	P=0.002**	P<0.001**
POLY 1.5	P<0.001**	P=0.012*	P=0.002**	P<0.001**
POLY 6	P<0.001**	P=0.009**	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.003**	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.008**	P<0.001**	P<0.001**
HISTCONT SAME RTE	P=0.006**	P=0.004**	P=0.003**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.002**	P<0.001**	P<0.001**
CURR VS HC SAME RTE	P=0.367			
CURR VS HC ALL RTES	P=0.575			

TDMS No. 99031 - 04  
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 Species/Strain: MICE/B6C3F1

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 Ginkgo biloba extract  
 CAS Number: 90045-36-6

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 First Dose M/F: 03/17/05 / 03/18/05  
 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Malignant Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	28/50 (56%)	26/50 (52%)	30/50 (60%)	47/50 (94%)
POLY-3 RATE (b)	28/43.14	26/48.35	30/48.09	47/49.32
POLY-3 PERCENT (g)	64.9%	53.8%	62.4%	95.3%
TERMINAL (d)	18/31 (58%)	17/36 (47%)	26/43 (61%)	34/36 (94%)
FIRST INCIDENCE	476	447	414	497
HC TUMORS SAME ROUTE	87/248 (35%)			
HC TUMORS ALL ROUTES	620/1298 (48%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P<0.001**	P=0.191N	P=0.487N	P<0.001**
POLY 1.5	P<0.001**	P=0.198N	P=0.507N	P<0.001**
POLY 6	P<0.001**	P=0.192N	P=0.471N	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.421N	P=0.420	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.151N	P=0.404N	P<0.001**
HISTCONT SAME RTE	P=0.002**	P=0.026*	P=0.009**	P<0.001**
HISTCONT ALL RTES	P<0.001**	P=0.395	P=0.144	P<0.001**
CURR VS HC SAME RTE	P<0.001**			
CURR VS HC ALL RTES	P=0.064			

TDMS No. 99031 - 04  
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 Ginkgo biloba extract  
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 Lab: BAT

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

DOSE	Females			
	0 mg/kg	200 mg/kg	600 mg/kg	2000 mg/kg
<b>All Organs</b>				
<b>Malignant and Benign Tumors</b>				
<b>TUMOR RATES</b>	#	#	#	#
OVERALL (a)	35/50 (70%)	46/50 (92%)	46/50 (92%)	49/50 (98%)
POLY-3 RATE (b)	35/44.21	46/49.30	46/48.45	49/50.00
POLY-3 PERCENT (g)	79.2%	93.3%	94.9%	98%
TERMINAL (d)	23/31 (74%)	33/36 (92%)	41/43 (95%)	35/36 (97%)
FIRST INCIDENCE	476	447	414	497
HC TUMORS SAME ROUTE	172/248 (69%)			
HC TUMORS ALL ROUTES	980/1298 (76%)			
<b>STATISTICAL TESTS</b>				
POLY 3	P=0.012*	P=0.041*	P=0.021*	P=0.003**
POLY 1.5	P=0.010**	P=0.042*	P=0.021*	P=0.003**
POLY 6	P=0.015*	P=0.040*	P=0.019*	P=0.004**
COCH-ARM / FISHERS	P<0.001**	P=0.005**	P=0.005**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.026*	P=0.012*	P=0.002**
HISTCONT SAME RTE	P=0.029*	P=0.023*	P=0.020*	P=0.012*
HISTCONT ALL RTES	P=0.014*	P=0.039*	P=0.028*	P=0.011*
CURR VS HC SAME RTE	P=0.359			
CURR VS HC ALL RTES	P=0.824			

TDMS No. 99031 - 04  
Test Type: CHRONIC  
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Species/Strain: MICE/B6C3F1

**P08: STATISTICAL ANALYSIS OF PRIMARY TUMORS**

Ginkgo biloba extract  
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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 \*\*\*