

TDMS No. 96011-06
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
CUMENE
CAS Number: 98-82-8
Pathologist: PIERCE, J. - GRUMBEIN, S.
F1 Mice

Date Report Requested: 02/27/2006
Time Report Requested: 15:30:40
First Dose M/F: 06/11/01 / 06/11/01
Lab: BNW

C Number:	C96011		
Lock Date:	12/30/2003		
Cage Range:	1 - 9999		
Date Range:	1-JAN-1940 to 17-SEP-2040		
Reasons For Removal:	25021 Terminal Sacrifice	25020 Natural Death	25019 Moribund Sacrifice
Removal Date Range:	JAN /1 /1940 - SEP /17 /2040		
Treatment Groups:	Include 1 CONTROL	Include 2 CONTROL	Include 3 125 PPM
	Include 4 250 PPM	Include 5 250 PPM	Include 6 500 PPM
	Include 7 500 PPM	Include 8 1000 PPM	

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

Adrenal Cortex
Adrenal Medulla
Bone Marrow
Heart
Islets, Pancreatic
Larynx
Liver
Lung
Nose
Ovary
Pituitary Gland
Spleen
Testes
Thyroid Gland
Urinary Bladder

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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF CUMENE

MALE MICE

<u>Organ</u>	<u>Morphology</u>
Harderian Gland	Adenoma
Liver	Hepatocellular Adenoma Hepatocellular Carcinoma Hepatocellular Carcinoma or Hepatoblastoma Hepatocellular Carcinoma or Hepatocellular Adenoma Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Lung	Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma
Spleen	Hemangiosarcoma
Thyroid Gland: Follicular Cell	Adenoma Carcinoma or Adenoma
All Organs	Hemangiosarcoma Hemangiosarcoma or Hemangioma Benign Tumors Malignant Tumors Malignant and Benign Tumors

FEMALE MICE

<u>Organ</u>	<u>Morphology</u>
Harderian Gland	Adenoma
Liver	Carcinoma or Adenoma Hepatocellular Adenoma Hepatocellular Carcinoma or Hepatocellular Adenoma Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma
Lung	Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma
Ovary	Cystadenoma
Uterus	Carcinoma
All Organs	Hemangioma

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

Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or
Undifferentiated Cell Type
Benign Tumors
Malignant Tumors
Malignant and Benign Tumors

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Adrenal Cortex
Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/49 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/46.42	1/44.55	2/43.58	1/40.05
POLY-3 PERCENT (g)	2.2%	2.2%	4.6%	2.5%
TERMINAL (d)	1/38 (3%)	1/34 (3%)	2/30 (7%)	1/23 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.428	P=0.737	P=0.417	P=0.646
POLY 3	P=0.523	P=0.751	P=0.478	P=0.727
POLY 1.5	P=0.549	P=0.755	P=0.483	P=0.740
POLY 6	P=0.491	P=0.748	P=0.473	P=0.710
LOGISTIC REGRESSION	P=0.428	P=0.737	P=0.417	P=0.646
COCH-ARM / FISHERS	P=0.590	P=0.753N	P=0.492	P=0.753N
ORDER RESTRICTED	P=0.545	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Adrenal Medulla
Pheochromocytoma Malignant

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.42	1/44.55	0/42.76	0/40.05
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.643N	P=0.478	(e)	(e)
POLY 3	P=0.579N	P=0.492	(e)	(e)
POLY 1.5	P=0.575N	P=0.495	(e)	(e)
POLY 6	P=0.582N	P=0.489	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.478	(e)	(e)
COCH-ARM / FISHERS	P=0.568N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.400N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Adrenal Medulla
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/48 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/46.42	1/44.55	1/42.76	0/40.05
POLY-3 PERCENT (g)	0%	2.2%	2.3%	0%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.690	P=0.478	P=0.453	(e)
POLY 3	P=0.634N	P=0.492	P=0.484	(e)
POLY 1.5	P=0.619N	P=0.495	P=0.486	(e)
POLY 6	P=0.651N	P=0.489	P=0.481	(e)
LOGISTIC REGRESSION	(e)	P=0.478	P=0.453	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.490	(e)
ORDER RESTRICTED	P=0.397	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Bone Marrow Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/43.58	0/39.41
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Harderian Gland
Adenoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	8/50 (16%)	2/50 (4%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	8/46.42	2/44.55	4/44.66	5/41.15
POLY-3 PERCENT (g)	17.2%	4.5%	9%	12.2%
TERMINAL (d)	8/38 (21%)	2/34 (6%)	3/30 (10%)	2/23 (9%)
FIRST INCIDENCE	729 (T)	729 (T)	565	556

STATISTICAL TESTS

LIFE TABLE	P=0.496	P=0.066N	P=0.299N	P=0.592N
POLY 3	P=0.400N	P=0.052N	P=0.195N	P=0.358N
POLY 1.5	P=0.384N	P=0.050N*	P=0.189N	P=0.326N
POLY 6	P=0.418N	P=0.054N	P=0.201N	P=0.395N
LOGISTIC REGRESSION	P=0.422N	P=0.066N	P=0.207N	P=0.364N
COCH-ARM / FISHERS	P=0.357N	P=0.046N*	P=0.178N	P=0.277N
ORDER RESTRICTED	P=0.144N	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	4/50 (8%)	3/50 (6%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	4/46.99	3/44.55	2/44.13	2/40.14
POLY-3 PERCENT (g)	8.5%	6.7%	4.5%	5%
TERMINAL (d)	3/38 (8%)	3/34 (9%)	2/30 (7%)	1/23 (4%)
FIRST INCIDENCE	551	729 (T)	729 (T)	705
STATISTICAL TESTS				
LIFE TABLE	P=0.446N	P=0.557N	P=0.436N	P=0.542N
POLY 3	P=0.297N	P=0.529N	P=0.367N	P=0.412N
POLY 1.5	P=0.278N	P=0.518N	P=0.356N	P=0.382N
POLY 6	P=0.320N	P=0.541N	P=0.379N	P=0.449N
LOGISTIC REGRESSION	P=0.313N	P=0.503N	P=0.332N	P=0.363N
COCH-ARM / FISHERS	P=0.248N	P=0.500N	P=0.339N	P=0.339N
ORDER RESTRICTED	P=0.378N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	11/50 (22%)	5/50 (10%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	11/46.99	5/44.55	6/44.66	7/41.24
POLY-3 PERCENT (g)	23.4%	11.2%	13.4%	17%
TERMINAL (d)	10/38 (26%)	5/34 (15%)	5/30 (17%)	3/23 (13%)
FIRST INCIDENCE	551	729 (T)	565	556
STATISTICAL TESTS				
LIFE TABLE	P=0.504	P=0.126N	P=0.278N	P=0.580N
POLY 3	P=0.322N	P=0.102N	P=0.168N	P=0.315N
POLY 1.5	P=0.298N	P=0.096N	P=0.159N	P=0.276N
POLY 6	P=0.349N	P=0.110N	P=0.177N	P=0.361N
LOGISTIC REGRESSION	P=0.344N	P=0.105N	P=0.161N	P=0.285N
COCH-ARM / FISHERS	P=0.259N	P=0.086N	P=0.143N	P=0.218N
ORDER RESTRICTED	P=0.173N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Intestine Small: Jejunum
Carcinoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.42	1/44.55	0/44.13	2/40.05
POLY-3 PERCENT (g)	2.2%	2.2%	0%	5%
TERMINAL (d)	1/38 (3%)	1/34 (3%)	0/30 (0%)	2/23 (9%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.230	P=0.737	P=0.547N	P=0.327
POLY 3	P=0.338	P=0.751	P=0.510N	P=0.449
POLY 1.5	P=0.349	P=0.755	P=0.506N	P=0.469
POLY 6	P=0.325	P=0.748	P=0.514N	P=0.425
LOGISTIC REGRESSION	P=0.230	P=0.737	(e)	P=0.327
COCH-ARM / FISHERS	P=0.366	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.223	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Intestine Small: Site Unspecified
Carcinoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.42	2/44.55	0/44.13	2/40.05
POLY-3 PERCENT (g)	2.2%	4.5%	0%	5%
TERMINAL (d)	1/38 (3%)	2/34 (6%)	0/30 (0%)	2/23 (9%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.306	P=0.461	P=0.547N	P=0.327
POLY 3	P=0.427	P=0.486	P=0.510N	P=0.449
POLY 1.5	P=0.443	P=0.491	P=0.506N	P=0.469
POLY 6	P=0.408	P=0.480	P=0.514N	P=0.425
LOGISTIC REGRESSION	P=0.306	P=0.461	(e)	P=0.327
COCH-ARM / FISHERS	P=0.469	P=0.500	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.346	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Liver Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	4/50 (8%)	3/50 (6%)
POLY-3 RATE (b)	1/46.68	1/44.55	4/44.24	3/40.46
POLY-3 PERCENT (g)	2.1%	2.2%	9%	7.4%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	3/30 (10%)	2/23 (9%)
FIRST INCIDENCE	659	729 (T)	702	610
STATISTICAL TESTS				
LIFE TABLE	P=0.068	P=0.738	P=0.134	P=0.191
POLY 3	P=0.118	P=0.750	P=0.163	P=0.256
POLY 1.5	P=0.135	P=0.754	P=0.169	P=0.275
POLY 6	P=0.100	P=0.746	P=0.156	P=0.235
LOGISTIC REGRESSION	P=0.126	P=0.757N	P=0.167	P=0.310
COCH-ARM / FISHERS	P=0.164	P=0.753N	P=0.181	P=0.309
ORDER RESTRICTED	P=0.154	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	34/50 (68%)	33/50 (66%)	37/50 (74%)	35/50 (70%)
POLY-3 RATE (b)	34/48.14	33/47.2	37/47.53	35/44.02
POLY-3 PERCENT (g)	70.6%	69.9%	77.9%	79.5%
TERMINAL (d)	28/38 (74%)	23/34 (68%)	25/30 (83%)	20/23 (87%)
FIRST INCIDENCE	551	533	381	526

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.410	P=0.051	P=0.005**
POLY 3	P=0.135	P=0.560N	P=0.276	P=0.218
POLY 1.5	P=0.212	P=0.542N	P=0.299	P=0.313
POLY 6	P=0.080	P=0.559N	P=0.248	P=0.144
LOGISTIC REGRESSION	P=0.116	P=0.573	P=0.252	P=0.126
COCH-ARM / FISHERS	P=0.388	P=0.500N	P=0.330	P=0.500
ORDER RESTRICTED	P=0.233	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Liver Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	13/50 (26%)	18/50 (36%)	21/50 (42%)	17/50 (34%)
POLY-3 RATE (b)	13/47.93	18/47.26	21/48.46	17/45.03
POLY-3 PERCENT (g)	27.1%	38.1%	43.3%	37.8%
TERMINAL (d)	7/38 (18%)	9/34 (27%)	7/30 (23%)	4/23 (17%)
FIRST INCIDENCE	583	453	381	391
STATISTICAL TESTS				
LIFE TABLE	P=0.053	P=0.158	P=0.047*	P=0.069
POLY 3	P=0.184	P=0.177	P=0.071	P=0.190
POLY 1.5	P=0.215	P=0.184	P=0.069	P=0.216
POLY 6	P=0.151	P=0.171	P=0.076	P=0.160
LOGISTIC REGRESSION	P=0.539	P=0.250	P=0.123	P=0.512
COCH-ARM / FISHERS	P=0.265	P=0.194	P=0.069	P=0.257
ORDER RESTRICTED	P=0.136	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
 Hepatocellular Carcinoma or Hepatoblastoma

TUMOR RATES

OVERALL (a)	14/50 (28%)	18/50 (36%)	24/50 (48%)	20/50 (40%)
POLY-3 RATE (b)	14/48.19	18/47.26	24/48.57	20/45.45
POLY-3 PERCENT (g)	29.1%	38.1%	49.4%	44%
TERMINAL (d)	7/38 (18%)	9/34 (27%)	9/30 (30%)	6/23 (26%)
FIRST INCIDENCE	583	453	381	391

STATISTICAL TESTS

LIFE TABLE	P=0.015*	P=0.209	P=0.023*	P=0.029*
POLY 3	P=0.071	P=0.236	P=0.030*	P=0.096
POLY 1.5	P=0.087	P=0.246	P=0.030*	P=0.115
POLY 6	P=0.054	P=0.225	P=0.032*	P=0.076
LOGISTIC REGRESSION	P=0.301	P=0.333	P=0.058	P=0.343
COCH-ARM / FISHERS	P=0.119	P=0.260	P=0.032*	P=0.146
ORDER RESTRICTED	P=0.057	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	40/50 (80%)	42/50 (84%)	43/50 (86%)	41/50 (82%)
POLY-3 RATE (b)	40/49.39	42/48.97	43/49.33	41/47.07
POLY-3 PERCENT (g)	81%	85.8%	87.2%	87.1%
TERMINAL (d)	30/38 (79%)	28/34 (82%)	26/30 (87%)	20/23 (87%)
FIRST INCIDENCE	551	453	381	391

STATISTICAL TESTS

LIFE TABLE	P=0.003**	P=0.206	P=0.058	P=0.006**
POLY 3	P=0.250	P=0.355	P=0.284	P=0.286
POLY 1.5	P=0.332	P=0.371	P=0.288	P=0.368
POLY 6	P=0.174	P=0.345	P=0.283	P=0.206
LOGISTIC REGRESSION	P=0.399	P=0.396	P=0.320	P=0.370
COCH-ARM / FISHERS	P=0.475	P=0.398	P=0.298	P=0.500
ORDER RESTRICTED	P=0.303	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	41/50 (82%)	42/50 (84%)	44/50 (88%)	42/50 (84%)
POLY-3 RATE (b)	41/49.65	42/48.97	44/49.44	42/47.48
POLY-3 PERCENT (g)	82.6%	85.8%	89%	88.5%
TERMINAL (d)	30/38 (79%)	28/34 (82%)	26/30 (87%)	20/23 (87%)
FIRST INCIDENCE	551	453	381	391

STATISTICAL TESTS

LIFE TABLE	P=0.003**	P=0.258	P=0.062	P=0.007**
POLY 3	P=0.227	P=0.437	P=0.264	P=0.291
POLY 1.5	P=0.300	P=0.462	P=0.273	P=0.369
POLY 6	P=0.163	P=0.410	P=0.257	P=0.215
LOGISTIC REGRESSION	P=0.380	P=0.509	P=0.320	P=0.408
COCH-ARM / FISHERS	P=0.434	P=0.500	P=0.288	P=0.500
ORDER RESTRICTED	P=0.290	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
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 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	13/50 (26%)	31/50 (62%)	31/50 (62%)	29/50 (58%)
POLY-3 RATE (b)	13/47.27	31/46.51	31/46.32	29/42.71
POLY-3 PERCENT (g)	27.5%	66.7%	66.9%	67.9%
TERMINAL (d)	10/38 (26%)	25/34 (74%)	23/30 (77%)	20/23 (87%)
FIRST INCIDENCE	628	551	512	480
STATISTICAL TESTS				
LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P=0.006**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
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 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	9/50 (18%)	19/50 (38%)	32/50 (64%)	33/50 (66%)
POLY-3 RATE (b)	9/47.19	19/45.78	32/45.39	33/46.27
POLY-3 PERCENT (g)	19.1%	41.5%	70.5%	71.3%
TERMINAL (d)	6/38 (16%)	15/34 (44%)	25/30 (83%)	12/23 (52%)
FIRST INCIDENCE	631	551	565	420
STATISTICAL TESTS				
LIFE TABLE	P<0.001**	P=0.013*	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.014*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.017*	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.012*	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.018*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.022*	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Lung
 Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma**

TUMOR RATES

OVERALL (a)	19/50 (38%)	38/50 (76%)	42/50 (84%)	43/50 (86%)
POLY-3 RATE (b)	19/47.79	38/46.66	42/46.93	43/46.69
POLY-3 PERCENT (g)	39.8%	81.4%	89.5%	92.1%
TERMINAL (d)	14/38 (37%)	31/34 (91%)	30/30 (100%)	21/23 (91%)
FIRST INCIDENCE	628	551	512	420

STATISTICAL TESTS

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

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
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 Pathologist: PIERCE, J. - GRUMBEIN, S.

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 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Pituitary Gland: Pars Distalis or Unspecified Site
 Adenoma**

TUMOR RATES

OVERALL (a)	1/48 (2%)	0/49 (0%)	0/49 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/44.91	0/43.7	0/43.58	1/40.61
POLY-3 PERCENT (g)	2.2%	0%	0%	2.5%
TERMINAL (d)	1/37 (3%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	---	---	480

STATISTICAL TESTS

LIFE TABLE	P=0.541	P=0.517N	P=0.542N	P=0.698
POLY 3	P=0.585	P=0.505N	P=0.506N	P=0.738
POLY 1.5	P=0.591	P=0.502N	P=0.502N	P=0.749
POLY 6	P=0.578	P=0.509N	P=0.510N	P=0.723
LOGISTIC REGRESSION	P=0.646N	(e)	(e)	P=0.606N
COCH-ARM / FISHERS	P=0.598	P=0.495N	P=0.495N	P=0.747N
ORDER RESTRICTED	P=0.370	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Pituitary Gland: Pars Intermedia
Adenoma

TUMOR RATES

OVERALL (a)	0/48 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.91	0/43.7	0/43.58	0/39.89
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

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Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Skin
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/46.91	3/44.83	1/44.13	3/40.46
POLY-3 PERCENT (g)	4.3%	6.7%	2.3%	7.4%
TERMINAL (d)	1/38 (3%)	2/34 (6%)	1/30 (3%)	2/23 (9%)
FIRST INCIDENCE	583	652	729 (T)	609

STATISTICAL TESTS

LIFE TABLE	P=0.308	P=0.460	P=0.564N	P=0.342
POLY 3	P=0.416	P=0.479	P=0.521N	P=0.433
POLY 1.5	P=0.440	P=0.487	P=0.513N	P=0.459
POLY 6	P=0.389	P=0.472	P=0.530N	P=0.403
LOGISTIC REGRESSION	P=0.475	P=0.540	P=0.463N	P=0.540
COCH-ARM / FISHERS	P=0.477	P=0.500	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.404	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Skin
Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	2/46.91	3/44.83	1/44.13	3/40.46
POLY-3 PERCENT (g)	4.3%	6.7%	2.3%	7.4%
TERMINAL (d)	1/38 (3%)	2/34 (6%)	1/30 (3%)	2/23 (9%)
FIRST INCIDENCE	583	652	729 (T)	609

STATISTICAL TESTS

LIFE TABLE	P=0.308	P=0.460	P=0.564N	P=0.342
POLY 3	P=0.416	P=0.479	P=0.521N	P=0.433
POLY 1.5	P=0.440	P=0.487	P=0.513N	P=0.459
POLY 6	P=0.389	P=0.472	P=0.530N	P=0.403
LOGISTIC REGRESSION	P=0.475	P=0.540	P=0.463N	P=0.540
COCH-ARM / FISHERS	P=0.477	P=0.500	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.404	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

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Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Skin
Fibrous Histiocytoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/46.42	2/44.55	1/44.13	3/40.46
POLY-3 PERCENT (g)	2.2%	4.5%	2.3%	7.4%
TERMINAL (d)	1/38 (3%)	2/34 (6%)	1/30 (3%)	2/23 (9%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	609

STATISTICAL TESTS

LIFE TABLE	P=0.116	P=0.461	P=0.708	P=0.175
POLY 3	P=0.199	P=0.486	P=0.749	P=0.258
POLY 1.5	P=0.214	P=0.491	P=0.753	P=0.276
POLY 6	P=0.184	P=0.480	P=0.745	P=0.238
LOGISTIC REGRESSION	P=0.179	P=0.461	P=0.708	P=0.266
COCH-ARM / FISHERS	P=0.237	P=0.500	P=0.753N	P=0.309
ORDER RESTRICTED	P=0.168	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Skin				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/44.13	0/40.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
LIFE TABLE	(e)	(e)	(e)	(e)
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
ORDER RESTRICTED	(e)	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Skin
Sarcoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.91	0/44.55	0/44.13	0/40.05
POLY-3 PERCENT (g)	2.1%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	583	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.324N	P=0.513N	P=0.517N	P=0.531N
POLY 3	P=0.288N	P=0.510N	P=0.512N	P=0.531N
POLY 1.5	P=0.295N	P=0.506N	P=0.508N	P=0.519N
POLY 6	P=0.278N	P=0.515N	P=0.517N	P=0.546N
LOGISTIC REGRESSION	P=0.181N	P=0.314N	P=0.337N	P=0.312N
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.150N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Spleen
Hemangiosarcoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	4/50 (8%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/43.58	4/40.6
POLY-3 PERCENT (g)	0%	0%	0%	9.9%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	3/23 (13%)
FIRST INCIDENCE	---	---	---	556

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	(e)	P=0.025*
POLY 3	P=0.002**	(e)	(e)	P=0.045*
POLY 1.5	P=0.002**	(e)	(e)	P=0.051
POLY 6	P=0.002**	(e)	(e)	P=0.039*
LOGISTIC REGRESSION	P=0.003**	(e)	(e)	P=0.056
COCH-ARM / FISHERS	P=0.003**	(e)	(e)	P=0.059
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Stomach, Forestomach
 Squamous Cell Carcinoma or Papilloma Squamous**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/46.42	0/44.55	1/44.13	0/40.05
POLY-3 PERCENT (g)	2.2%	0%	2.3%	0%
TERMINAL (d)	1/38 (3%)	0/34 (0%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	---	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.505N	P=0.522N	P=0.708	P=0.600N
POLY 3	P=0.423N	P=0.508N	P=0.749	P=0.529N
POLY 1.5	P=0.416N	P=0.505N	P=0.753	P=0.518N
POLY 6	P=0.431N	P=0.511N	P=0.745	P=0.543N
LOGISTIC REGRESSION	P=0.505N	(e)	P=0.708	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.500N	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.282N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.42	0/44.55	0/44.13	0/40.05
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/38 (3%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.364N	P=0.522N	P=0.547N	P=0.600N
POLY 3	P=0.289N	P=0.508N	P=0.510N	P=0.529N
POLY 1.5	P=0.296N	P=0.505N	P=0.506N	P=0.518N
POLY 6	P=0.280N	P=0.511N	P=0.514N	P=0.543N
LOGISTIC REGRESSION	P=0.364N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.148N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

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Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Thyroid Gland: Follicular Cell
Adenoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/43.58	3/40.24
POLY-3 PERCENT (g)	0%	0%	0%	7.5%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	2/23 (9%)
FIRST INCIDENCE	---	---	---	680

STATISTICAL TESTS

LIFE TABLE	P=0.005**	(e)	(e)	P=0.063
POLY 3	P=0.010**	(e)	(e)	P=0.095
POLY 1.5	P=0.010**	(e)	(e)	P=0.104
POLY 6	P=0.009**	(e)	(e)	P=0.086
LOGISTIC REGRESSION	P=0.007**	(e)	(e)	P=0.083
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
ORDER RESTRICTED	P=0.004**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Thyroid Gland: Follicular Cell
Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	3/50 (6%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/43.58	3/40.24
POLY-3 PERCENT (g)	0%	0%	0%	7.5%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	2/23 (9%)
FIRST INCIDENCE	---	---	---	680

STATISTICAL TESTS

LIFE TABLE	P=0.005**	(e)	(e)	P=0.063
POLY 3	P=0.010**	(e)	(e)	P=0.095
POLY 1.5	P=0.010**	(e)	(e)	P=0.104
POLY 6	P=0.009**	(e)	(e)	P=0.086
LOGISTIC REGRESSION	P=0.007**	(e)	(e)	P=0.083
COCH-ARM / FISHERS	P=0.012*	(e)	(e)	P=0.121
ORDER RESTRICTED	P=0.004**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**All Organs
 Hemangioma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.42	0/44.55	0/44.13	0/40.05
POLY-3 PERCENT (g)	2.2%	0%	0%	0%
TERMINAL (d)	1/38 (3%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.364N	P=0.522N	P=0.547N	P=0.600N
POLY 3	P=0.289N	P=0.508N	P=0.510N	P=0.529N
POLY 1.5	P=0.296N	P=0.505N	P=0.506N	P=0.518N
POLY 6	P=0.280N	P=0.511N	P=0.514N	P=0.543N
LOGISTIC REGRESSION	P=0.364N	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.306N	P=0.500N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.148N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
All Organs				
Hemangiosarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	0/46.42	1/44.83	2/44.13	4/40.6
POLY-3 PERCENT (g)	0%	2.2%	4.5%	9.9%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	2/30 (7%)	3/23 (13%)
FIRST INCIDENCE	---	654	729 (T)	556
STATISTICAL TESTS				
LIFE TABLE	P=0.006**	P=0.486	P=0.188	P=0.025*
POLY 3	P=0.015*	P=0.493	P=0.226	P=0.045*
POLY 1.5	P=0.017*	P=0.496	P=0.230	P=0.051
POLY 6	P=0.012*	P=0.491	P=0.222	P=0.039*
LOGISTIC REGRESSION	P=0.018*	P=0.557	P=0.188	P=0.056
COCH-ARM / FISHERS	P=0.022*	P=0.500	P=0.247	P=0.059
ORDER RESTRICTED	P=0.012*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

All Organs
Hemangiosarcoma or Hemangioma

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	4/50 (8%)
POLY-3 RATE (b)	1/46.42	1/44.83	2/44.13	4/40.6
POLY-3 PERCENT (g)	2.2%	2.2%	4.5%	9.9%
TERMINAL (d)	1/38 (3%)	0/34 (0%)	2/30 (7%)	3/23 (13%)
FIRST INCIDENCE	729 (T)	654	729 (T)	556

STATISTICAL TESTS

LIFE TABLE	P=0.025*	P=0.740	P=0.417	P=0.078
POLY 3	P=0.054	P=0.753	P=0.482	P=0.141
POLY 1.5	P=0.061	P=0.756	P=0.489	P=0.155
POLY 6	P=0.048*	P=0.751	P=0.476	P=0.125
LOGISTIC REGRESSION	P=0.059	P=0.754N	P=0.417	P=0.154
COCH-ARM / FISHERS	P=0.072	P=0.753N	P=0.500	P=0.181
ORDER RESTRICTED	P=0.065	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
All Organs				
Histiocytic Sarcoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.42	1/44.7	0/44.13	0/40.05
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	691	---	---
STATISTICAL TESTS				
LIFE TABLE	P=0.608N	P=0.495	(e)	(e)
POLY 3	P=0.579N	P=0.492	(e)	(e)
POLY 1.5	P=0.575N	P=0.495	(e)	(e)
POLY 6	P=0.583N	P=0.490	(e)	(e)
LOGISTIC REGRESSION	P=0.569N	P=0.511	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.401N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

All Organs
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type

TUMOR RATES

	#	#	#	#
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/46.42	1/44.55	1/44.66	0/40.05
POLY-3 PERCENT (g)	4.3%	2.2%	2.2%	0%
TERMINAL (d)	2/38 (5%)	1/34 (3%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	568	---

STATISTICAL TESTS

LIFE TABLE	P=0.223N	P=0.539N	P=0.562N	P=0.354N
POLY 3	P=0.171N	P=0.514N	P=0.513N	P=0.272N
POLY 1.5	P=0.164N	P=0.509N	P=0.509N	P=0.258N
POLY 6	P=0.179N	P=0.520N	P=0.518N	P=0.289N
LOGISTIC REGRESSION	P=0.144N	P=0.539N	P=0.453N	(e)
COCH-ARM / FISHERS	P=0.153N	P=0.500N	P=0.500N	P=0.247N
ORDER RESTRICTED	P=0.146N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
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**STATISTICAL ANALYSIS OF PRIMARY TUMORS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**All Organs
 Benign Tumors**

TUMOR RATES

	#	#	#	#
OVERALL (a)	43/50 (86%)	45/50 (90%)	46/50 (92%)	44/50 (88%)
POLY-3 RATE (b)	43/49	45/48.29	46/48.69	44/46.03
POLY-3 PERCENT (g)	87.8%	93.2%	94.5%	95.6%
TERMINAL (d)	34/38 (90%)	32/34 (94%)	30/30 (100%)	23/23 (100%)
FIRST INCIDENCE	551	533	381	480

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.155	P=0.026*	P<0.001**
POLY 3	P=0.091	P=0.275	P=0.192	P=0.132
POLY 1.5	P=0.195	P=0.308	P=0.222	P=0.244
POLY 6	P=0.039*	P=0.262	P=0.157	P=0.071
LOGISTIC REGRESSION	P=0.068	P=0.220	P=0.166	P=0.053
COCH-ARM / FISHERS	P=0.470	P=0.380	P=0.262	P=0.500
ORDER RESTRICTED	P=0.077	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
All Organs				
Malignant Tumors				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	27/50 (54%)	34/50 (68%)	47/50 (94%)	45/50 (90%)
POLY-3 RATE (b)	27/49.11	34/48.73	47/49.35	45/49.58
POLY-3 PERCENT (g)	55%	69.8%	95.2%	90.8%
TERMINAL (d)	18/38 (47%)	21/34 (62%)	28/30 (93%)	19/23 (83%)
FIRST INCIDENCE	551	453	381	391
STATISTICAL TESTS				
LIFE TABLE	P<0.001**	P=0.084	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.094	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.099	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.090	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.140	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.109	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

All Organs
Malignant and Benign Tumors

TUMOR RATES

	#	#	#	#
OVERALL (a)	48/50 (96%)	50/50 (100%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	48/50	50/50	50/50	50/50
POLY-3 PERCENT (g)	96%	100%	100%	100%
TERMINAL (d)	36/38 (95%)	34/34 (100%)	30/30 (100%)	23/23 (100%)
FIRST INCIDENCE	551	453	381	391

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.150	P=0.044*	P<0.001**
POLY 3	P=0.114	P=0.237	P=0.237	P=0.237
POLY 1.5	P=0.114	P=0.237	P=0.237	P=0.237
POLY 6	P=0.114	P=0.237	P=0.237	P=0.237
LOGISTIC REGRESSION	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.115	P=0.247	P=0.247	P=0.247
ORDER RESTRICTED	P=0.029*	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Adrenal Cortex
 Adenoma**

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.15	0/44.83	0/46.73	0/46.25
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Adrenal Medulla
Pheochromocytoma Malignant

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/44.15	0/43.83	2/47.12	1/46.25
POLY-3 PERCENT (g)	0%	0%	4.2%	2.2%
TERMINAL (d)	0/37 (0%)	0/35 (0%)	1/39 (3%)	1/35 (3%)
FIRST INCIDENCE	---	---	618	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.247	(e)	P=0.255	P=0.489
POLY 3	P=0.267	(e)	P=0.252	P=0.509
POLY 1.5	P=0.261	(e)	P=0.249	P=0.507
POLY 6	P=0.270	(e)	P=0.254	P=0.510
LOGISTIC REGRESSION	P=0.230	(e)	P=0.213	P=0.489
COCH-ARM / FISHERS	P=0.242	(e)	P=0.247	P=0.495
ORDER RESTRICTED	P=0.180	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Adrenal Medulla
Pheochromocytoma: Benign, Complex, Malignant, NOS

TUMOR RATES

OVERALL (a)	0/50 (0%)	0/49 (0%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	0/44.15	0/43.83	2/47.12	1/46.25
POLY-3 PERCENT (g)	0%	0%	4.2%	2.2%
TERMINAL (d)	0/37 (0%)	0/35 (0%)	1/39 (3%)	1/35 (3%)
FIRST INCIDENCE	---	---	618	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.247	(e)	P=0.255	P=0.489
POLY 3	P=0.267	(e)	P=0.252	P=0.509
POLY 1.5	P=0.261	(e)	P=0.249	P=0.507
POLY 6	P=0.270	(e)	P=0.254	P=0.510
LOGISTIC REGRESSION	P=0.230	(e)	P=0.213	P=0.489
COCH-ARM / FISHERS	P=0.242	(e)	P=0.247	P=0.495
ORDER RESTRICTED	P=0.180	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Bone Marrow Hemangiosarcoma				
TUMOR RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.08	0/44.83	2/46.73	0/47.05
POLY-3 PERCENT (g)	0%	0%	4.3%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	2/39 (5%)	0/35 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
STATISTICAL TESTS				
LIFE TABLE	P=0.588	(e)	P=0.250	(e)
POLY 3	P=0.623	(e)	P=0.250	(e)
POLY 1.5	P=0.617	(e)	P=0.249	(e)
POLY 6	P=0.625	(e)	P=0.251	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.250	(e)
COCH-ARM / FISHERS	P=0.598	(e)	P=0.253	(e)
ORDER RESTRICTED	P=0.259	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Harderian Gland Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	8/50 (16%)	4/50 (8%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	8/44.42	4/44.85	0/46.73	2/47.05
POLY-3 PERCENT (g)	18%	8.9%	0%	4.3%
TERMINAL (d)	7/37 (19%)	3/36 (8%)	0/39 (0%)	2/35 (6%)
FIRST INCIDENCE	656	726	---	731 (T)
STATISTICAL TESTS				
LIFE TABLE	P=0.016N*	P=0.193N	P=0.004N**	P=0.054N
POLY 3	P=0.012N*	P=0.171N	P=0.003N**	P=0.036N*
POLY 1.5	P=0.013N*	P=0.169N	P=0.003N**	P=0.038N*
POLY 6	P=0.012N*	P=0.177N	P=0.003N**	P=0.036N*
LOGISTIC REGRESSION	P=0.012N*	P=0.175N	P=0.004N**	P=0.037N*
COCH-ARM / FISHERS	P=0.016N*	P=0.178N	P=0.003N**	P=0.046N*
ORDER RESTRICTED	P=0.002N**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Harderian Gland Carcinoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	5/50 (10%)	1/50 (2%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	5/44.48	1/44.83	1/46.73	5/47.29
POLY-3 PERCENT (g)	11.2%	2.2%	2.1%	10.6%
TERMINAL (d)	3/37 (8%)	1/36 (3%)	1/39 (3%)	3/35 (9%)
FIRST INCIDENCE	683	731 (T)	731 (T)	672
STATISTICAL TESTS				
LIFE TABLE	P=0.419	P=0.112N	P=0.094N	P=0.620
POLY 3	P=0.441	P=0.099N	P=0.090N	P=0.591N
POLY 1.5	P=0.434	P=0.098N	P=0.092N	P=0.598N
POLY 6	P=0.446	P=0.103N	P=0.091N	P=0.591N
LOGISTIC REGRESSION	P=0.454	P=0.100N	P=0.092N	P=0.596N
COCH-ARM / FISHERS	P=0.420	P=0.102N	P=0.102N	P=0.630N
ORDER RESTRICTED	P=0.176N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Harderian Gland Carcinoma or Adenoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	12/50 (24%)	5/50 (10%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	12/44.76	5/44.85	1/46.73	6/47.29
POLY-3 PERCENT (g)	26.8%	11.2%	2.1%	12.7%
TERMINAL (d)	9/37 (24%)	4/36 (11%)	1/39 (3%)	4/35 (11%)
FIRST INCIDENCE	656	726	731 (T)	672
STATISTICAL TESTS				
LIFE TABLE	P=0.076N	P=0.067N	P<0.001N**	P=0.113N
POLY 3	P=0.056N	P=0.050N*	P<0.001N**	P=0.073N
POLY 1.5	P=0.059N	P=0.048N*	P<0.001N**	P=0.076N
POLY 6	P=0.054N	P=0.055N	P<0.001N**	P=0.073N
LOGISTIC REGRESSION	P=0.054N	P=0.051N	P<0.001N**	P=0.073N
COCH-ARM / FISHERS	P=0.071N	P=0.054N	P<0.001N**	P=0.096N
ORDER RESTRICTED	P=0.003N**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Intestine Small: Jejunum
 Carcinoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	0/44.83	0/46.73	0/47.05
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Intestine Small: Site Unspecified
Carcinoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	1/44.83	0/46.73	0/47.05
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	731 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.574N	P=0.495	(e)	(e)
POLY 3	P=0.560N	P=0.503	(e)	(e)
POLY 1.5	P=0.560N	P=0.504	(e)	(e)
POLY 6	P=0.561N	P=0.501	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.495	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.372N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Liver Hepatoblastoma				
TUMOR RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	0/44.83	1/47.12	0/47.05
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	618	---
STATISTICAL TESTS				
LIFE TABLE	P=0.706	(e)	P=0.517	(e)
POLY 3	P=0.716	(e)	P=0.513	(e)
POLY 1.5	P=0.711	(e)	P=0.510	(e)
POLY 6	P=0.718	(e)	P=0.515	(e)
LOGISTIC REGRESSION	P=0.641	(e)	P=0.436	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.393	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Liver				
Hepatocellular Adenoma				
TUMOR RATES				
OVERALL (a)	18/50 (36%)	23/50 (46%)	27/50 (54%)	29/50 (58%)
POLY-3 RATE (b)	18/44.43	23/46.04	27/47.9	29/48.51
POLY-3 PERCENT (g)	40.5%	50%	56.4%	59.8%
TERMINAL (d)	17/37 (46%)	17/36 (47%)	22/39 (56%)	19/35 (54%)
FIRST INCIDENCE	654	609	618	662
STATISTICAL TESTS				
LIFE TABLE	P=0.021*	P=0.188	P=0.090	P=0.025*
POLY 3	P=0.040*	P=0.243	P=0.091	P=0.046*
POLY 1.5	P=0.031*	P=0.239	P=0.080	P=0.038*
POLY 6	P=0.051	P=0.245	P=0.102	P=0.057
LOGISTIC REGRESSION	P=0.035*	P=0.208	P=0.083	P=0.041*
COCH-ARM / FISHERS	P=0.017*	P=0.208	P=0.054	P=0.022*
ORDER RESTRICTED	P=0.042*	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
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 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Liver Hepatocellular Carcinoma				
TUMOR RATES				
OVERALL (a)	10/50 (20%)	7/50 (14%)	6/50 (12%)	12/50 (24%)
POLY-3 RATE (b)	10/45	7/45.28	6/47.13	12/47.24
POLY-3 PERCENT (g)	22.2%	15.5%	12.7%	25.4%
TERMINAL (d)	7/37 (19%)	5/36 (14%)	4/39 (10%)	10/35 (29%)
FIRST INCIDENCE	607	623	651	702
STATISTICAL TESTS				
LIFE TABLE	P=0.270	P=0.319N	P=0.182N	P=0.380
POLY 3	P=0.311	P=0.291N	P=0.177N	P=0.455
POLY 1.5	P=0.304	P=0.285N	P=0.181N	P=0.450
POLY 6	P=0.309	P=0.304N	P=0.178N	P=0.446
LOGISTIC REGRESSION	P=0.323	P=0.285N	P=0.185N	P=0.467
COCH-ARM / FISHERS	P=0.275	P=0.298N	P=0.207N	P=0.405
ORDER RESTRICTED	P=0.227	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
 Hepatocellular Carcinoma or Hepatoblastoma

TUMOR RATES

OVERALL (a)	10/50 (20%)	7/50 (14%)	7/50 (14%)	12/50 (24%)
POLY-3 RATE (b)	10/45	7/45.28	7/47.53	12/47.24
POLY-3 PERCENT (g)	22.2%	15.5%	14.7%	25.4%
TERMINAL (d)	7/37 (19%)	5/36 (14%)	4/39 (10%)	10/35 (29%)
FIRST INCIDENCE	607	623	618	702

STATISTICAL TESTS

LIFE TABLE	P=0.265	P=0.319N	P=0.263N	P=0.380
POLY 3	P=0.305	P=0.291N	P=0.255N	P=0.455
POLY 1.5	P=0.298	P=0.285N	P=0.262N	P=0.450
POLY 6	P=0.304	P=0.304N	P=0.253N	P=0.446
LOGISTIC REGRESSION	P=0.307	P=0.285N	P=0.282N	P=0.467
COCH-ARM / FISHERS	P=0.267	P=0.298N	P=0.298N	P=0.405
ORDER RESTRICTED	P=0.265	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
 Hepatocellular Carcinoma or Hepatocellular Adenoma

TUMOR RATES

OVERALL (a)	25/50 (50%)	26/50 (52%)	29/50 (58%)	36/50 (72%)
POLY-3 RATE (b)	25/45	26/46.04	29/48.01	36/48.58
POLY-3 PERCENT (g)	55.6%	56.5%	60.4%	74.1%
TERMINAL (d)	22/37 (60%)	20/36 (56%)	23/39 (59%)	25/35 (71%)
FIRST INCIDENCE	607	609	618	662

STATISTICAL TESTS

LIFE TABLE	P=0.015*	P=0.458	P=0.390	P=0.026*
POLY 3	P=0.024*	P=0.549	P=0.395	P=0.043*
POLY 1.5	P=0.019*	P=0.550	P=0.366	P=0.035*
POLY 6	P=0.029*	P=0.540	P=0.418	P=0.052
LOGISTIC REGRESSION	P=0.025*	P=0.521	P=0.383	P=0.044*
COCH-ARM / FISHERS	P=0.010**	P=0.500	P=0.274	P=0.020*
ORDER RESTRICTED	P=0.042*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
Hepatocellular Carcinoma, Hepatocellular Adenoma, or Hepatoblastoma

TUMOR RATES

OVERALL (a)	25/50 (50%)	26/50 (52%)	29/50 (58%)	36/50 (72%)
POLY-3 RATE (b)	25/45	26/46.04	29/48.01	36/48.58
POLY-3 PERCENT (g)	55.6%	56.5%	60.4%	74.1%
TERMINAL (d)	22/37 (60%)	20/36 (56%)	23/39 (59%)	25/35 (71%)
FIRST INCIDENCE	607	609	618	662

STATISTICAL TESTS

LIFE TABLE	P=0.015*	P=0.458	P=0.390	P=0.026*
POLY 3	P=0.024*	P=0.549	P=0.395	P=0.043*
POLY 1.5	P=0.019*	P=0.550	P=0.366	P=0.035*
POLY 6	P=0.029*	P=0.540	P=0.418	P=0.052
LOGISTIC REGRESSION	P=0.025*	P=0.521	P=0.383	P=0.044*
COCH-ARM / FISHERS	P=0.010**	P=0.500	P=0.274	P=0.020*
ORDER RESTRICTED	P=0.042*	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Lung				
Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	1/50 (2%)	26/50 (52%)	36/50 (72%)	38/50 (76%)
POLY-3 RATE (b)	1/44.15	26/46.17	36/48.34	38/48.79
POLY-3 PERCENT (g)	2.3%	56.3%	74.5%	77.9%
TERMINAL (d)	1/37 (3%)	21/36 (58%)	31/39 (80%)	29/35 (83%)
FIRST INCIDENCE	731 (T)	555	495	565
STATISTICAL TESTS				
LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Lung				
Alveolar/Bronchiolar Carcinoma				
TUMOR RATES				
OVERALL (a)	3/50 (6%)	16/50 (32%)	20/50 (40%)	34/50 (68%)
POLY-3 RATE (b)	3/44.76	16/45.4	20/47.69	34/48.94
POLY-3 PERCENT (g)	6.7%	35.3%	41.9%	69.5%
TERMINAL (d)	2/37 (5%)	13/36 (36%)	15/39 (39%)	24/35 (69%)
FIRST INCIDENCE	533	646	618	513
STATISTICAL TESTS				
LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Lung				
Alveolar/Bronchiolar Carcinoma or Alveolar/Bronchiolar Adenoma				
TUMOR RATES				
OVERALL (a)	4/50 (8%)	31/50 (62%)	42/50 (84%)	46/50 (92%)
POLY-3 RATE (b)	4/44.76	31/46.41	42/48.82	46/49.78
POLY-3 PERCENT (g)	8.9%	66.8%	86%	92.4%
TERMINAL (d)	3/37 (8%)	25/36 (69%)	34/39 (87%)	33/35 (94%)
FIRST INCIDENCE	533	555	495	513
STATISTICAL TESTS				
LIFE TABLE	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 3	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P<0.001**	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P<0.001**	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P<0.001**	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Ovary
Cystadenoma

TUMOR RATES

OVERALL (a)	5/48 (10%)	2/50 (4%)	0/50 (0%)	3/49 (6%)
POLY-3 RATE (b)	5/43.51	2/44.83	0/46.73	3/46.05
POLY-3 PERCENT (g)	11.5%	4.5%	0%	6.5%
TERMINAL (d)	5/37 (14%)	2/36 (6%)	0/39 (0%)	3/34 (9%)
FIRST INCIDENCE	731 (T)	731 (T)	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.317N	P=0.226N	P=0.029N*	P=0.402N
POLY 3	P=0.274N	P=0.204N	P=0.025N*	P=0.326N
POLY 1.5	P=0.278N	P=0.199N	P=0.025N*	P=0.328N
POLY 6	P=0.272N	P=0.210N	P=0.025N*	P=0.328N
LOGISTIC REGRESSION	P=0.317N	P=0.226N	(e)	P=0.402N
COCH-ARM / FISHERS	P=0.286N	P=0.201N	P=0.025N*	P=0.346N
ORDER RESTRICTED	P=0.064N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Pituitary Gland: Pars Distalis or Unspecified Site
Adenoma

TUMOR RATES

OVERALL (a)	8/50 (16%)	6/49 (12%)	6/50 (12%)	10/48 (21%)
POLY-3 RATE (b)	8/44.15	6/44.21	6/46.81	10/45.94
POLY-3 PERCENT (g)	18.1%	13.6%	12.8%	21.8%
TERMINAL (d)	8/37 (22%)	6/36 (17%)	5/39 (13%)	8/34 (24%)
FIRST INCIDENCE	731 (T)	731 (T)	709	565

STATISTICAL TESTS

LIFE TABLE	P=0.229	P=0.406N	P=0.346N	P=0.338
POLY 3	P=0.299	P=0.385N	P=0.342N	P=0.433
POLY 1.5	P=0.284	P=0.384N	P=0.351N	P=0.415
POLY 6	P=0.310	P=0.389N	P=0.337N	P=0.445
LOGISTIC REGRESSION	P=0.299	P=0.406N	P=0.344N	P=0.418
COCH-ARM / FISHERS	P=0.247	P=0.403N	P=0.387N	P=0.361
ORDER RESTRICTED	P=0.297	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Pituitary Gland: Pars Intermedia
 Adenoma**

TUMOR RATES

OVERALL (a)	2/50 (4%)	0/49 (0%)	1/50 (2%)	0/48 (0%)
POLY-3 RATE (b)	2/44.72	0/44.21	1/46.73	0/45.25
POLY-3 PERCENT (g)	4.5%	0%	2.1%	0%
TERMINAL (d)	1/37 (3%)	0/36 (0%)	1/39 (3%)	0/34 (0%)
FIRST INCIDENCE	551	---	731 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.191N	P=0.240N	P=0.483N	P=0.242N
POLY 3	P=0.188N	P=0.240N	P=0.485N	P=0.235N
POLY 1.5	P=0.190N	P=0.238N	P=0.486N	P=0.236N
POLY 6	P=0.186N	P=0.242N	P=0.486N	P=0.235N
LOGISTIC REGRESSION	P=0.215N	P=0.261N	P=0.534N	P=0.288N
COCH-ARM / FISHERS	P=0.193N	P=0.253N	P=0.500N	P=0.258N
ORDER RESTRICTED	P=0.073N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Skin
Fibroma, Fibrosarcoma, Sarcoma, Myxoma, Myxosarcoma, or Fibrous Histiocytoma

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/44.15	1/45	2/46.73	2/47.31
POLY-3 PERCENT (g)	0%	2.2%	4.3%	4.2%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	2/39 (5%)	1/35 (3%)
FIRST INCIDENCE	---	687	731 (T)	662

STATISTICAL TESTS

LIFE TABLE	P=0.167	P=0.500	P=0.250	P=0.251
POLY 3	P=0.182	P=0.504	P=0.250	P=0.253
POLY 1.5	P=0.177	P=0.504	P=0.248	P=0.250
POLY 6	P=0.184	P=0.502	P=0.251	P=0.254
LOGISTIC REGRESSION	P=0.165	P=0.499	P=0.250	P=0.231
COCH-ARM / FISHERS	P=0.160	P=0.500	P=0.247	P=0.247
ORDER RESTRICTED	P=0.166	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Skin
 Fibrosarcoma, Sarcoma, Myxosarcoma, or Fibrous Histiocytoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/44.15	1/45	2/46.73	2/47.31
POLY-3 PERCENT (g)	0%	2.2%	4.3%	4.2%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	2/39 (5%)	1/35 (3%)
FIRST INCIDENCE	---	687	731 (T)	662

STATISTICAL TESTS

LIFE TABLE	P=0.167	P=0.500	P=0.250	P=0.251
POLY 3	P=0.182	P=0.504	P=0.250	P=0.253
POLY 1.5	P=0.177	P=0.504	P=0.248	P=0.250
POLY 6	P=0.184	P=0.502	P=0.251	P=0.254
LOGISTIC REGRESSION	P=0.165	P=0.499	P=0.250	P=0.231
COCH-ARM / FISHERS	P=0.160	P=0.500	P=0.247	P=0.247
ORDER RESTRICTED	P=0.166	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Skin				
Fibrous Histiocytoma				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	0/44.83	1/46.73	0/47.05
POLY-3 PERCENT (g)	0%	0%	2.1%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/39 (3%)	0/35 (0%)
FIRST INCIDENCE	---	---	731 (T)	---
STATISTICAL TESTS				
LIFE TABLE	P=0.691	(e)	P=0.511	(e)
POLY 3	P=0.716	(e)	P=0.511	(e)
POLY 1.5	P=0.711	(e)	P=0.509	(e)
POLY 6	P=0.718	(e)	P=0.512	(e)
LOGISTIC REGRESSION	(e)	(e)	P=0.511	(e)
COCH-ARM / FISHERS	P=0.694	(e)	P=0.500	(e)
ORDER RESTRICTED	P=0.391	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Skin
 Hemangiosarcoma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/44.15	2/45.39	1/46.73	0/47.05
POLY-3 PERCENT (g)	2.3%	4.4%	2.1%	0%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	1/39 (3%)	0/35 (0%)
FIRST INCIDENCE	731 (T)	555	731 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.249N	P=0.499	P=0.750N	P=0.511N
POLY 3	P=0.232N	P=0.510	P=0.748N	P=0.487N
POLY 1.5	P=0.235N	P=0.509	P=0.750N	P=0.490N
POLY 6	P=0.231N	P=0.508	P=0.747N	P=0.487N
LOGISTIC REGRESSION	P=0.261N	P=0.489	P=0.750N	(e)
COCH-ARM / FISHERS	P=0.247N	P=0.500	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.218N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
Skin				
Sarcoma				
TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/44.15	1/45	1/46.73	2/47.31
POLY-3 PERCENT (g)	0%	2.2%	2.1%	4.2%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/39 (3%)	1/35 (3%)
FIRST INCIDENCE	---	687	731 (T)	662
STATISTICAL TESTS				
LIFE TABLE	P=0.163	P=0.500	P=0.511	P=0.251
POLY 3	P=0.170	P=0.504	P=0.511	P=0.253
POLY 1.5	P=0.166	P=0.504	P=0.509	P=0.250
POLY 6	P=0.172	P=0.502	P=0.512	P=0.254
LOGISTIC REGRESSION	P=0.151	P=0.499	P=0.511	P=0.231
COCH-ARM / FISHERS	P=0.153	P=0.500	P=0.500	P=0.247
ORDER RESTRICTED	P=0.131	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Spleen
Hemangiosarcoma

TUMOR RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	3/50 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/44.08	0/44.83	3/46.94	1/47.05
POLY-3 PERCENT (g)	0%	0%	6.4%	2.1%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	2/39 (5%)	1/35 (3%)
FIRST INCIDENCE	---	---	673	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.248	(e)	P=0.135	P=0.489
POLY 3	P=0.271	(e)	P=0.130	P=0.513
POLY 1.5	P=0.266	(e)	P=0.129	P=0.511
POLY 6	P=0.274	(e)	P=0.131	P=0.513
LOGISTIC REGRESSION	P=0.262	(e)	P=0.128	P=0.489
COCH-ARM / FISHERS	P=0.251	(e)	P=0.125	P=0.505
ORDER RESTRICTED	P=0.126	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Stomach, Forestomach
 Squamous Cell Carcinoma or Papilloma Squamous**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.33	1/45.14	2/46.87	2/47.05
POLY-3 PERCENT (g)	2.3%	2.2%	4.3%	4.3%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/39 (3%)	2/35 (6%)
FIRST INCIDENCE	683	645	694	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.348	P=0.755	P=0.526	P=0.495
POLY 3	P=0.362	P=0.757N	P=0.519	P=0.521
POLY 1.5	P=0.357	P=0.756N	P=0.516	P=0.517
POLY 6	P=0.363	P=0.759N	P=0.520	P=0.520
LOGISTIC REGRESSION	P=0.336	P=0.754	P=0.505	P=0.518
COCH-ARM / FISHERS	P=0.337	P=0.753N	P=0.500	P=0.500
ORDER RESTRICTED	P=0.466	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Stomach, Forestomach
 Squamous Cell Papilloma**

TUMOR RATES	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	0/44.15	1/45.14	2/46.87	2/47.05
POLY-3 PERCENT (g)	0%	2.2%	4.3%	4.3%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/39 (3%)	2/35 (6%)
FIRST INCIDENCE	---	645	694	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.164	P=0.495	P=0.257	P=0.226
POLY 3	P=0.180	P=0.504	P=0.251	P=0.252
POLY 1.5	P=0.175	P=0.505	P=0.248	P=0.249
POLY 6	P=0.181	P=0.503	P=0.252	P=0.252
LOGISTIC REGRESSION	P=0.162	P=0.481	P=0.246	P=0.226
COCH-ARM / FISHERS	P=0.160	P=0.500	P=0.247	P=0.247
ORDER RESTRICTED	P=0.167	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Thyroid Gland: Follicular Cell
 Adenoma**

TUMOR RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	1/44.15	4/44.83	0/46.73	3/47.05
POLY-3 PERCENT (g)	2.3%	8.9%	0%	6.4%
TERMINAL (d)	1/37 (3%)	4/36 (11%)	0/39 (0%)	3/35 (9%)
FIRST INCIDENCE	731 (T)	731 (T)	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.385	P=0.171	P=0.489N	P=0.285
POLY 3	P=0.432	P=0.183	P=0.489N	P=0.329
POLY 1.5	P=0.426	P=0.185	P=0.491N	P=0.324
POLY 6	P=0.432	P=0.179	P=0.488N	P=0.329
LOGISTIC REGRESSION	P=0.385	P=0.171	(e)	P=0.285
COCH-ARM / FISHERS	P=0.404	P=0.181	P=0.500N	P=0.309
ORDER RESTRICTED	P=0.267	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Thyroid Gland: Follicular Cell
Carcinoma or Adenoma

TUMOR RATES

OVERALL (a)	2/50 (4%)	5/50 (10%)	0/50 (0%)	3/50 (6%)
POLY-3 RATE (b)	2/44.33	5/44.83	0/46.73	3/47.05
POLY-3 PERCENT (g)	4.5%	11.2%	0%	6.4%
TERMINAL (d)	1/37 (3%)	5/36 (14%)	0/39 (0%)	3/35 (9%)
FIRST INCIDENCE	683	731 (T)	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.557N	P=0.207	P=0.226N	P=0.486
POLY 3	P=0.519N	P=0.220	P=0.226N	P=0.527
POLY 1.5	P=0.523N	P=0.223	P=0.228N	P=0.522
POLY 6	P=0.520N	P=0.214	P=0.226N	P=0.526
LOGISTIC REGRESSION	P=0.512N	P=0.216	P=0.230N	P=0.529
COCH-ARM / FISHERS	P=0.544N	P=0.218	P=0.247N	P=0.500
ORDER RESTRICTED	P=0.258N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Uterus
Carcinoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	3/50 (6%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	3/44.15	0/44.83	1/46.73	0/47.05
POLY-3 PERCENT (g)	6.8%	0%	2.1%	0%
TERMINAL (d)	3/37 (8%)	0/36 (0%)	1/39 (3%)	0/35 (0%)
FIRST INCIDENCE	731 (T)	---	731 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.088N	P=0.126N	P=0.286N	P=0.131N
POLY 3	P=0.081N	P=0.116N	P=0.285N	P=0.108N
POLY 1.5	P=0.083N	P=0.115N	P=0.289N	P=0.110N
POLY 6	P=0.080N	P=0.117N	P=0.284N	P=0.107N
LOGISTIC REGRESSION	P=0.088N	(e)	P=0.286N	(e)
COCH-ARM / FISHERS	P=0.086N	P=0.121N	P=0.309N	P=0.121N
ORDER RESTRICTED	P=0.017N*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Uterus
Polyp Stromal

TUMOR RATES

	#	#	#	#
OVERALL (a)	3/50 (6%)	0/50 (0%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	3/44.29	0/44.83	2/46.73	2/47.26
POLY-3 PERCENT (g)	6.8%	0%	4.3%	4.2%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	2/39 (5%)	1/35 (3%)
FIRST INCIDENCE	693	---	731 (T)	677

STATISTICAL TESTS

LIFE TABLE	P=0.576N	P=0.126N	P=0.474N	P=0.498N
POLY 3	P=0.560N	P=0.116N	P=0.476N	P=0.471N
POLY 1.5	P=0.566N	P=0.116N	P=0.480N	P=0.476N
POLY 6	P=0.555N	P=0.119N	P=0.476N	P=0.469N
LOGISTIC REGRESSION	P=0.553N	P=0.118N	P=0.473N	P=0.480N
COCH-ARM / FISHERS	P=0.577N	P=0.121N	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.265N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

All Organs
Hemangioma

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/44.15	0/44.83	0/46.73	2/47.05
POLY-3 PERCENT (g)	0%	0%	0%	4.3%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	2/35 (6%)
FIRST INCIDENCE	---	---	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.042*	(e)	(e)	P=0.226
POLY 3	P=0.048*	(e)	(e)	P=0.252
POLY 1.5	P=0.047*	(e)	(e)	P=0.249
POLY 6	P=0.049*	(e)	(e)	P=0.252
LOGISTIC REGRESSION	(e)	(e)	(e)	P=0.226
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.035*	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**All Organs
 Hemangiosarcoma**

TUMOR RATES

	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	6/50 (12%)	1/50 (2%)
POLY-3 RATE (b)	1/44.15	3/45.7	6/46.94	1/47.05
POLY-3 PERCENT (g)	2.3%	6.6%	12.8%	2.1%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	5/39 (13%)	1/35 (3%)
FIRST INCIDENCE	731 (T)	555	673	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.562N	P=0.305	P=0.070	P=0.749
POLY 3	P=0.518N	P=0.318	P=0.066	P=0.746N
POLY 1.5	P=0.527N	P=0.316	P=0.064	P=0.749N
POLY 6	P=0.516N	P=0.318	P=0.067	P=0.746N
LOGISTIC REGRESSION	P=0.564N	P=0.287	P=0.068	P=0.749
COCH-ARM / FISHERS	P=0.562N	P=0.309	P=0.056	P=0.753N
ORDER RESTRICTED	P=0.235N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**All Organs
 Hemangiosarcoma or Hemangioma**

TUMOR RATES	#	#	#	#
OVERALL (a)	1/50 (2%)	3/50 (6%)	6/50 (12%)	3/50 (6%)
POLY-3 RATE (b)	1/44.15	3/45.7	6/46.94	3/47.05
POLY-3 PERCENT (g)	2.3%	6.6%	12.8%	6.4%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	5/39 (13%)	3/35 (9%)
FIRST INCIDENCE	731 (T)	555	673	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.262	P=0.305	P=0.070	P=0.285
POLY 3	P=0.304	P=0.318	P=0.066	P=0.329
POLY 1.5	P=0.295	P=0.316	P=0.064	P=0.324
POLY 6	P=0.305	P=0.318	P=0.067	P=0.329
LOGISTIC REGRESSION	P=0.272	P=0.287	P=0.068	P=0.285
COCH-ARM / FISHERS	P=0.264	P=0.309	P=0.056	P=0.309
ORDER RESTRICTED	P=0.135	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:30:40

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

All Organs
Histiocytic Sarcoma

TUMOR RATES

	#	#	#	#
OVERALL (a)	0/50 (0%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	1/45.14	2/48.08	0/47.05
POLY-3 PERCENT (g)	0%	2.2%	4.2%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	646	495	---

STATISTICAL TESTS

LIFE TABLE	P=0.593N	P=0.495	P=0.251	(e)
POLY 3	P=0.591N	P=0.504	P=0.257	(e)
POLY 1.5	P=0.596N	P=0.505	P=0.252	(e)
POLY 6	P=0.590N	P=0.503	P=0.260	(e)
LOGISTIC REGRESSION	P=0.454	P=0.482	P=0.055	(e)
COCH-ARM / FISHERS	P=0.616N	P=0.500	P=0.247	(e)
ORDER RESTRICTED	P=0.328N	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

All Organs
Malignant Lymphoma: Histiocytic, Lymphocytic, Mixed, NOS, or Undifferentiated Cell Type

TUMOR RATES	#	#	#	#
OVERALL (a)	7/50 (14%)	15/50 (30%)	6/50 (12%)	12/50 (24%)
POLY-3 RATE (b)	7/45.39	15/45.4	6/47.14	12/48.03
POLY-3 PERCENT (g)	15.4%	33%	12.7%	25%
TERMINAL (d)	5/37 (14%)	12/36 (33%)	4/39 (10%)	7/35 (20%)
FIRST INCIDENCE	292	645	639	565

STATISTICAL TESTS

LIFE TABLE	P=0.315	P=0.045*	P=0.461N	P=0.160
POLY 3	P=0.372	P=0.041*	P=0.471N	P=0.187
POLY 1.5	P=0.358	P=0.043*	P=0.476N	P=0.179
POLY 6	P=0.383	P=0.038*	P=0.469N	P=0.192
LOGISTIC REGRESSION	P=0.324	P=0.048*	P=0.543N	P=0.126
COCH-ARM / FISHERS	P=0.316	P=0.045*	P=0.500N	P=0.154
ORDER RESTRICTED	P=0.199	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
All Organs				
Benign Tumors				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	34/50 (68%)	39/50 (78%)	47/50 (94%)	47/50 (94%)
POLY-3 RATE (b)	34/46.41	39/47.22	47/49.12	47/49.33
POLY-3 PERCENT (g)	73.3%	82.6%	95.7%	95.3%
TERMINAL (d)	29/37 (78%)	30/36 (83%)	38/39 (97%)	34/35 (97%)
FIRST INCIDENCE	193	555	495	565
STATISTICAL TESTS				
LIFE TABLE	P=0.003**	P=0.171	P=0.019*	P=0.005**
POLY 3	P<0.001**	P=0.192	P<0.001**	P=0.002**
POLY 1.5	P<0.001**	P=0.193	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.196	P=0.002**	P=0.003**
LOGISTIC REGRESSION	P<0.001**	P=0.223	P=0.003**	P=0.003**
COCH-ARM / FISHERS	P<0.001**	P=0.184	P<0.001**	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:30:40
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM
All Organs				
Malignant Tumors				
TUMOR RATES				
	#	#	#	#
OVERALL (a)	26/50 (52%)	33/50 (66%)	37/50 (74%)	43/50 (86%)
POLY-3 RATE (b)	26/47.05	33/48.79	37/50	43/50
POLY-3 PERCENT (g)	55.3%	67.6%	74%	86%
TERMINAL (d)	19/37 (51%)	21/36 (58%)	26/39 (67%)	28/35 (80%)
FIRST INCIDENCE	292	481	495	513
STATISTICAL TESTS				
LIFE TABLE	P=0.004**	P=0.144	P=0.087	P=0.004**
POLY 3	P<0.001**	P=0.149	P=0.040*	P<0.001**
POLY 1.5	P<0.001**	P=0.140	P=0.033*	P<0.001**
POLY 6	P<0.001**	P=0.158	P=0.049*	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.114	P=0.019*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.111	P=0.019*	P<0.001**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

All Organs
Malignant and Benign Tumors

TUMOR RATES	#	#	#	#
OVERALL (a)	42/50 (84%)	44/50 (88%)	50/50 (100%)	50/50 (100%)
POLY-3 RATE (b)	42/48.88	44/48.79	50/50	50/50
POLY-3 PERCENT (g)	85.9%	90.2%	100%	100%
TERMINAL (d)	32/37 (87%)	32/36 (89%)	39/39 (100%)	35/35 (100%)
FIRST INCIDENCE	193	481	495	513

STATISTICAL TESTS

LIFE TABLE	P=0.048*	P=0.369	P=0.188	P=0.071
POLY 3	P<0.001**	P=0.366	P=0.007**	P=0.007**
POLY 1.5	P<0.001**	P=0.381	P=0.006**	P=0.006**
POLY 6	P<0.001**	P=0.349	P=0.008**	P=0.008**
LOGISTIC REGRESSION	P<0.001**	P=0.422	P=0.006**	P=0.006**
COCH-ARM / FISHERS	P<0.001**	P=0.387	P=0.003**	P=0.003**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P8: STATISTICAL ANALYSIS OF PRIMARY TUMORS

CUMENE

CAS Number: 98-82-8

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

*** END OF REPORT ***