

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
CUMENE
CAS Number: 98-82-8
Pathologist: PIERCE, J. - GRUMBEIN, S.
F1 Mice

Date Report Requested: 02/27/2006
Time Report Requested: 15:32:52
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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SUMMARY OF STATISTICALLY SIGNIFICANT (P<=.05) RESULTS IN THE ANALYSIS OF CUMENE

MALE MICE

Organ

Adrenal Cortex

Eye: Cornea

Heart

Kidney

Liver

Lung: Alveolar Epithelium, Bronchiole

Lung: Bronchiole

Nose

Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands

Nose: Respiratory Epithelium

Skin

Stomach, Forestomach

Stomach, Forestomach: Epithelium

Testes

Thyroid Gland: Follicular Cell

FEMALE MICE

Organ

Adrenal Cortex

Harderian Gland

Heart

Lung: Alveolar Epithelium, Bronchiole

Lung: Alveolus

Lung: Bronchiole

Morphology

Hypertrophy

Inflammation Chronic

Cardiomyopathy

Inflammation Acute

Infarct

Nephropathy

Clear Cell Focus

Eosinophilic Focus

Metaplasia

Hyperplasia

Inflammation

Atrophy

Hyperplasia Atypical

Hyperplasia Basal Cell

Hyperplasia

Metaplasia

Inflammation Chronic

Inflammation

Ulcer

Hyperplasia

Atrophy

Hyperplasia

Morphology

Hypertrophy

Hyperplasia

Cardiomyopathy

Metaplasia

Infiltration Cellular Histiocyte

Hyperplasia

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

Nose

Nose: Olfactory Epithelium

Nose: Olfactory Epithelium, Glands

Nose: Respiratory Epithelium

Nose: Turbinate

Pancreas

Pituitary Gland: Pars Distalis

Tooth

Trachea

Uterus: Endometrium

Inflammation

Atrophy

Hyperplasia Atypical

Hyperplasia Basal Cell

Hyperplasia

Metaplasia

Necrosis

Atrophy

Hyperplasia

Malformation

Inflammation

Hyperplasia Cystic

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Adrenal Cortex
Hyperplasia

LESION RATES

OVERALL (a)	14/50 (28%)	15/50 (30%)	12/49 (24%)	8/50 (16%)
POLY-3 RATE (b)	14/47.29	15/44.80	12/43.98	8/40.19
POLY-3 PERCENT (g)	29.6%	33.5%	27.3%	19.9%
TERMINAL (d)	11/38 (29%)	13/34 (38%)	10/30 (33%)	7/23 (30%)
FIRST INCIDENCE	622	678	668	694

STATISTICAL TESTS

LIFE TABLE	P=0.405N	P=0.371	P=0.534	P=0.488N
POLY 3	P=0.141N	P=0.430	P=0.495N	P=0.213N
POLY 1.5	P=0.105N	P=0.458	P=0.472N	P=0.168N
POLY 6	P=0.197N	P=0.397	P=0.519N	P=0.281N
LOGISTIC REGRESSION	P=0.199N	P=0.426	P=0.492N	P=0.274N
COCH-ARM / FISHERS	P=0.064N	P=0.500	P=0.433N	P=0.114N
ORDER RESTRICTED	P=0.178N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Adrenal Cortex
 Hypertrophy**

LESION RATES

OVERALL (a)	29/50 (58%)	16/50 (32%)	14/49 (29%)	9/50 (18%)
POLY-3 RATE (b)	29/47.54	16/45.58	14/44.15	9/41.25
POLY-3 PERCENT (g)	61%	35.1%	31.7%	21.8%
TERMINAL (d)	25/38 (66%)	12/34 (35%)	10/30 (33%)	6/23 (26%)
FIRST INCIDENCE	622	632	664	556

STATISTICAL TESTS

LIFE TABLE	P=0.010N**	P=0.029N*	P=0.027N*	P=0.010N**
POLY 3	P<0.001N**	P=0.008N**	P=0.003N**	P<0.001N**
POLY 1.5	P<0.001N**	P=0.008N**	P=0.003N**	P<0.001N**
POLY 6	P<0.001N**	P=0.009N**	P=0.004N**	P<0.001N**
LOGISTIC REGRESSION	P<0.001N**	P=0.012N*	P=0.005N**	P<0.001N**
COCH-ARM / FISHERS	P<0.001N**	P=0.008N**	P=0.003N**	P<0.001N**
ORDER RESTRICTED	P<0.001N**	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Adrenal Medulla
Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/48 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.58	1/44.55	0/42.76	0/40.05
POLY-3 PERCENT (g)	4.3%	2.2%	0%	0%
TERMINAL (d)	1/38 (3%)	1/34 (3%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	687	729 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.143N	P=0.532N	P=0.275N	P=0.322N
POLY 3	P=0.106N	P=0.516N	P=0.257N	P=0.272N
POLY 1.5	P=0.105N	P=0.509N	P=0.253N	P=0.258N
POLY 6	P=0.107N	P=0.522N	P=0.260N	P=0.291N
LOGISTIC REGRESSION	P=0.119N	P=0.516N	P=0.251N	P=0.271N
COCH-ARM / FISHERS	P=0.102N	P=0.500N	P=0.258N	P=0.247N
ORDER RESTRICTED	P=0.098N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Epididymis
Granuloma Sperm

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.42	2/44.55	0/43.58	1/40.05
POLY-3 PERCENT (g)	0%	4.5%	0%	2.5%
TERMINAL (d)	0/38 (0%)	2/34 (6%)	0/30 (0%)	1/23 (4%)
FIRST INCIDENCE	---	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.412	P=0.214	(e)	P=0.400
POLY 3	P=0.486	P=0.228	(e)	P=0.471
POLY 1.5	P=0.507	P=0.232	(e)	P=0.482
POLY 6	P=0.462	P=0.224	(e)	P=0.457
LOGISTIC REGRESSION	(e)	P=0.214	(e)	P=0.400
COCH-ARM / FISHERS	P=0.538	P=0.247	(e)	P=0.500
ORDER RESTRICTED	P=0.299	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Eye
Cataract

LESION RATES

OVERALL (a)	1/49 (2%)	1/50 (2%)	0/49 (0%)	1/48 (2%)
POLY-3 RATE (b)	1/46.47	1/44.67	0/43.58	1/38.68
POLY-3 PERCENT (g)	2.2%	2.2%	0%	2.6%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	551	698	---	705

STATISTICAL TESTS

LIFE TABLE	P=0.626	P=0.748	P=0.512N	P=0.701
POLY 3	P=0.633N	P=0.752	P=0.513N	P=0.718
POLY 1.5	P=0.629N	P=0.757	P=0.508N	P=0.733
POLY 6	P=0.634	P=0.746	P=0.518N	P=0.700
LOGISTIC REGRESSION	P=0.538N	P=0.644N	P=0.263N	P=0.677N
COCH-ARM / FISHERS	P=0.624N	P=0.747N	P=0.500N	P=0.747
ORDER RESTRICTED	P=0.552	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Eye: Cornea
Inflammation Chronic

LESION RATES

OVERALL (a)	0/49 (0%)	2/50 (4%)	1/49 (2%)	4/48 (8%)
POLY-3 RATE (b)	0/45.91	2/44.55	1/43.58	4/39.40
POLY-3 PERCENT (g)	0%	4.5%	2.3%	10.2%
TERMINAL (d)	0/38 (0%)	2/34 (6%)	1/30 (3%)	2/23 (9%)
FIRST INCIDENCE	---	729 (T)	729 (T)	480

STATISTICAL TESTS

LIFE TABLE	P=0.012*	P=0.214	P=0.453	P=0.028*
POLY 3	P=0.026*	P=0.231	P=0.490	P=0.043*
POLY 1.5	P=0.030*	P=0.235	P=0.493	P=0.048*
POLY 6	P=0.023*	P=0.226	P=0.486	P=0.037*
LOGISTIC REGRESSION	P=0.034*	P=0.214	P=0.453	P=0.073
COCH-ARM / FISHERS	P=0.036*	P=0.253	P=0.500	P=0.056
ORDER RESTRICTED	P=0.012*	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Harderian Gland
Hyperplasia

LESION RATES

OVERALL (a)	2/48 (4%)	2/50 (4%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/44.94	2/44.55	1/43.58	1/40.55
POLY-3 PERCENT (g)	4.5%	4.5%	2.3%	2.5%
TERMINAL (d)	2/38 (5%)	2/34 (6%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	576

STATISTICAL TESTS

LIFE TABLE	P=0.486N	P=0.655	P=0.583N	P=0.629N
POLY 3	P=0.363N	P=0.691	P=0.511N	P=0.536N
POLY 1.5	P=0.349N	P=0.690N	P=0.504N	P=0.516N
POLY 6	P=0.379N	P=0.683	P=0.518N	P=0.559N
LOGISTIC REGRESSION	P=0.358N	P=0.655	P=0.583N	P=0.457N
COCH-ARM / FISHERS	P=0.327N	P=0.676N	P=0.492N	P=0.485N
ORDER RESTRICTED	P=0.475N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Heart
Cardiomyopathy

LESION RATES

OVERALL (a)	10/50 (20%)	18/50 (36%)	13/50 (26%)	17/50 (34%)
POLY-3 RATE (b)	10/48.03	18/46.09	13/45.42	17/43.04
POLY-3 PERCENT (g)	20.8%	39.1%	28.6%	39.5%
TERMINAL (d)	5/38 (13%)	14/34 (41%)	7/30 (23%)	6/23 (26%)
FIRST INCIDENCE	583	533	568	420

STATISTICAL TESTS

LIFE TABLE	P=0.018*	P=0.041*	P=0.199	P=0.018*
POLY 3	P=0.077	P=0.041*	P=0.263	P=0.040*
POLY 1.5	P=0.103	P=0.048*	P=0.283	P=0.055
POLY 6	P=0.055	P=0.034*	P=0.242	P=0.028*
LOGISTIC REGRESSION	P=0.149	P=0.068	P=0.349	P=0.113
COCH-ARM / FISHERS	P=0.158	P=0.059	P=0.318	P=0.088
ORDER RESTRICTED	P=0.036*	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Heart
 Inflammation Acute**

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/44.13	2/41.23
POLY-3 PERCENT (g)	0%	0%	0%	4.9%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	449

STATISTICAL TESTS

LIFE TABLE	P=0.040*	(e)	(e)	P=0.213
POLY 3	P=0.041*	(e)	(e)	P=0.212
POLY 1.5	P=0.043*	(e)	(e)	P=0.221
POLY 6	P=0.040*	(e)	(e)	P=0.200
LOGISTIC REGRESSION	P=0.139	(e)	(e)	P=0.568
COCH-ARM / FISHERS	P=0.046*	(e)	(e)	P=0.247
ORDER RESTRICTED	P=0.021*	(e)	(e)	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Heart
 Thrombosis**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	1/46.67	0/44.55	1/44.14	2/40.56
POLY-3 PERCENT (g)	2.1%	0%	2.3%	4.9%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	663	---	726	610

STATISTICAL TESTS

LIFE TABLE	P=0.176	P=0.514N	P=0.736	P=0.409
POLY 3	P=0.221	P=0.509N	P=0.748	P=0.451
POLY 1.5	P=0.231	P=0.506N	P=0.753	P=0.470
POLY 6	P=0.210	P=0.513N	P=0.743	P=0.429
LOGISTIC REGRESSION	P=0.271	P=0.456N	P=0.759N	P=0.578
COCH-ARM / FISHERS	P=0.247	P=0.500N	P=0.753N	P=0.500
ORDER RESTRICTED	P=0.184	(e)	(e)	(e)

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Islets, Pancreatic
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/49 (2%)	0/49 (0%)
POLY-3 RATE (b)	1/46.42	3/44.55	1/43.58	0/39.86
POLY-3 PERCENT (g)	2.2%	6.7%	2.3%	0%
TERMINAL (d)	1/38 (3%)	3/34 (9%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.320N	P=0.266	P=0.708	P=0.600N
POLY 3	P=0.242N	P=0.291	P=0.746	P=0.530N
POLY 1.5	P=0.227N	P=0.296	P=0.750	P=0.520N
POLY 6	P=0.261N	P=0.285	P=0.743	P=0.543N
LOGISTIC REGRESSION	P=0.320N	P=0.266	P=0.708	(e)
COCH-ARM / FISHERS	P=0.205N	P=0.309	P=0.747	P=0.505N
ORDER RESTRICTED	P=0.176N	(e)	(e)	(e)

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Kidney
Infarct

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	3/50 (6%)	7/50 (14%)
POLY-3 RATE (b)	1/46.42	4/44.62	3/44.13	7/41.30
POLY-3 PERCENT (g)	2.2%	9%	6.8%	17%
TERMINAL (d)	1/38 (3%)	3/34 (9%)	3/30 (10%)	3/23 (13%)
FIRST INCIDENCE	729 (T)	712	729 (T)	480

STATISTICAL TESTS

LIFE TABLE	P=0.004**	P=0.151	P=0.224	P=0.008**
POLY 3	P=0.016*	P=0.167	P=0.287	P=0.019*
POLY 1.5	P=0.019*	P=0.171	P=0.294	P=0.023*
POLY 6	P=0.013*	P=0.162	P=0.280	P=0.015*
LOGISTIC REGRESSION	P=0.016*	P=0.156	P=0.224	P=0.032*
COCH-ARM / FISHERS	P=0.026*	P=0.181	P=0.309	P=0.030*
ORDER RESTRICTED	P=0.008**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Kidney
Metaplasia Osseous

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/46.99	1/44.55	0/44.13	1/40.05
POLY-3 PERCENT (g)	6.4%	2.2%	0%	2.5%
TERMINAL (d)	2/38 (5%)	1/34 (3%)	0/30 (0%)	1/23 (4%)
FIRST INCIDENCE	551	729 (T)	---	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.300N	P=0.342N	P=0.156N	P=0.459N
POLY 3	P=0.206N	P=0.325N	P=0.130N	P=0.365N
POLY 1.5	P=0.204N	P=0.317N	P=0.126N	P=0.341N
POLY 6	P=0.208N	P=0.333N	P=0.135N	P=0.394N
LOGISTIC REGRESSION	P=0.200N	P=0.271N	P=0.086N	P=0.290N
COCH-ARM / FISHERS	P=0.200N	P=0.309N	P=0.121N	P=0.309N
ORDER RESTRICTED	P=0.114N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Kidney
Mineralization

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/46.42	1/45.12	0/44.13	2/40.23
POLY-3 PERCENT (g)	2.2%	2.2%	0%	5%
TERMINAL (d)	1/38 (3%)	0/34 (0%)	0/30 (0%)	1/23 (4%)
FIRST INCIDENCE	729 (T)	551	---	683

STATISTICAL TESTS

LIFE TABLE	P=0.277	P=0.741	P=0.547N	P=0.364
POLY 3	P=0.337	P=0.754	P=0.510N	P=0.450
POLY 1.5	P=0.349	P=0.756	P=0.506N	P=0.470
POLY 6	P=0.325	P=0.752	P=0.514N	P=0.428
LOGISTIC REGRESSION	P=0.405	P=0.691N	(e)	P=0.423
COCH-ARM / FISHERS	P=0.366	P=0.753N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.223	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Kidney
Nephropathy

LESION RATES

OVERALL (a)	47/50 (94%)	44/50 (88%)	45/50 (90%)	41/50 (82%)
POLY-3 RATE (b)	47/48.94	44/49.45	45/49.44	41/46.77
POLY-3 PERCENT (g)	96%	89%	91%	87.7%
TERMINAL (d)	37/38 (97%)	31/34 (91%)	28/30 (93%)	19/23 (83%)
FIRST INCIDENCE	622	453	381	407

STATISTICAL TESTS

LIFE TABLE	P=0.021*	P=0.467	P=0.155	P=0.041*
POLY 3	P=0.137N	P=0.158N	P=0.262N	P=0.107N
POLY 1.5	P=0.102N	P=0.189N	P=0.300N	P=0.085N
POLY 6	P=0.164N	P=0.133N	P=0.227N	P=0.129N
LOGISTIC REGRESSION	P=0.145N	P=0.302N	P=0.448N	P=0.304N
COCH-ARM / FISHERS	P=0.054N	P=0.243N	P=0.357N	P=0.061N
ORDER RESTRICTED	P=0.101N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Kidney: Renal Tubule
Hyperplasia

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.42	2/45.25	0/44.13	0/40.05
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	610	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.447N	P=0.228	(e)	(e)
POLY 3	P=0.434N	P=0.231	(e)	(e)
POLY 1.5	P=0.423N	P=0.233	(e)	(e)
POLY 6	P=0.447N	P=0.230	(e)	(e)
LOGISTIC REGRESSION	P=0.300N	P=0.323	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
ORDER RESTRICTED	P=0.273N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Kidney: Renal Tubule
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/44.13	1/40.87
POLY-3 PERCENT (g)	0%	0%	0%	2.5%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	---	407

STATISTICAL TESTS

LIFE TABLE	P=0.196	(e)	(e)	P=0.496
POLY 3	P=0.185	(e)	(e)	P=0.475
POLY 1.5	P=0.190	(e)	(e)	P=0.485
POLY 6	P=0.178	(e)	(e)	P=0.462
LOGISTIC REGRESSION	P=0.560	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.198	(e)	(e)	P=0.500
ORDER RESTRICTED	P=0.101	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
 Angiectasis

LESION RATES

OVERALL (a)	1/50 (2%)	3/50 (6%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/46.42	3/45.12	1/44.13	0/40.05
POLY-3 PERCENT (g)	2.2%	6.7%	2.3%	0%
TERMINAL (d)	1/38 (3%)	2/34 (6%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	551	729 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.300N	P=0.272	P=0.708	P=0.600N
POLY 3	P=0.241N	P=0.295	P=0.749	P=0.529N
POLY 1.5	P=0.224N	P=0.299	P=0.753	P=0.518N
POLY 6	P=0.261N	P=0.292	P=0.745	P=0.543N
LOGISTIC REGRESSION	P=0.200N	P=0.333	P=0.708	(e)
COCH-ARM / FISHERS	P=0.200N	P=0.309	P=0.753N	P=0.500N
ORDER RESTRICTED	P=0.177N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
Basophilic Focus

LESION RATES

OVERALL (a)	7/50 (14%)	5/50 (10%)	4/50 (8%)	5/50 (10%)
POLY-3 RATE (b)	7/47.34	5/45.31	4/44.17	5/40.79
POLY-3 PERCENT (g)	14.8%	11%	9.1%	12.3%
TERMINAL (d)	5/38 (13%)	4/34 (12%)	3/30 (10%)	3/23 (13%)
FIRST INCIDENCE	551	453	718	556

STATISTICAL TESTS

LIFE TABLE	P=0.514	P=0.446N	P=0.384N	P=0.587
POLY 3	P=0.413N	P=0.410N	P=0.302N	P=0.487N
POLY 1.5	P=0.382N	P=0.398N	P=0.286N	P=0.444N
POLY 6	P=0.449N	P=0.426N	P=0.320N	P=0.537N
LOGISTIC REGRESSION	P=0.336N	P=0.312N	P=0.266N	P=0.377N
COCH-ARM / FISHERS	P=0.334N	P=0.380N	P=0.262N	P=0.380N
ORDER RESTRICTED	P=0.434N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
Clear Cell Focus

LESION RATES

OVERALL (a)	24/50 (48%)	11/50 (22%)	20/50 (40%)	11/50 (22%)
POLY-3 RATE (b)	24/46.93	11/44.55	20/45.69	11/40.46
POLY-3 PERCENT (g)	51.1%	24.7%	43.8%	27.2%
TERMINAL (d)	22/38 (58%)	11/34 (32%)	17/30 (57%)	10/23 (44%)
FIRST INCIDENCE	659	729 (T)	503	610

STATISTICAL TESTS

LIFE TABLE	P=0.353N	P=0.012N*	P=0.526	P=0.181N
POLY 3	P=0.052N	P=0.006N**	P=0.306N	P=0.016N*
POLY 1.5	P=0.037N*	P=0.006N**	P=0.294N	P=0.010N**
POLY 6	P=0.076N	P=0.007N**	P=0.320N	P=0.029N*
LOGISTIC REGRESSION	P=0.105N	P=0.008N**	P=0.360N	P=0.054N
COCH-ARM / FISHERS	P=0.024N*	P=0.006N**	P=0.273N	P=0.006N**
ORDER RESTRICTED	P=0.012N*	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

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

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
 Eosinophilic Focus

LESION RATES

OVERALL (a)	6/50 (12%)	5/50 (10%)	16/50 (32%)	14/50 (28%)
POLY-3 RATE (b)	6/47.52	5/44.61	16/45.44	14/41.02
POLY-3 PERCENT (g)	12.6%	11.2%	35.2%	34.1%
TERMINAL (d)	3/38 (8%)	4/34 (12%)	10/30 (33%)	10/23 (44%)
FIRST INCIDENCE	583	715	565	628

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.567N	P=0.007**	P=0.004**
POLY 3	P=0.002**	P=0.544N	P=0.008**	P=0.014*
POLY 1.5	P=0.003**	P=0.526N	P=0.010**	P=0.021*
POLY 6	P<0.001**	P=0.565N	P=0.007**	P=0.008**
LOGISTIC REGRESSION	P=0.003**	P=0.490N	P=0.015*	P=0.019*
COCH-ARM / FISHERS	P=0.008**	P=0.500N	P=0.014*	P=0.039*
ORDER RESTRICTED	P=0.006**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

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Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
Mixed Cell Focus

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	2/46.42	3/44.55	1/44.13	1/40.05
POLY-3 PERCENT (g)	4.3%	6.7%	2.3%	2.5%
TERMINAL (d)	2/38 (5%)	3/34 (9%)	1/30 (3%)	1/23 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.454N	P=0.449	P=0.583N	P=0.673N
POLY 3	P=0.323N	P=0.481	P=0.518N	P=0.551N
POLY 1.5	P=0.306N	P=0.488	P=0.511N	P=0.531N
POLY 6	P=0.343N	P=0.474	P=0.524N	P=0.575N
LOGISTIC REGRESSION	P=0.454N	P=0.449	P=0.583N	P=0.673N
COCH-ARM / FISHERS	P=0.279N	P=0.500	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.371N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

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 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
 Necrosis

LESION RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	2/46.42	4/45.51	4/45.82	1/40.87
POLY-3 PERCENT (g)	4.3%	8.8%	8.7%	2.5%
TERMINAL (d)	2/38 (5%)	2/34 (6%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	533	381	407

STATISTICAL TESTS

LIFE TABLE	P=0.453N	P=0.302	P=0.285	P=0.617N
POLY 3	P=0.392N	P=0.328	P=0.331	P=0.544N
POLY 1.5	P=0.362N	P=0.331	P=0.333	P=0.526N
POLY 6	P=0.429N	P=0.326	P=0.329	P=0.566N
LOGISTIC REGRESSION	P=0.097N	P=0.385	P=0.528	P=0.311N
COCH-ARM / FISHERS	P=0.319N	P=0.339	P=0.339	P=0.500N
ORDER RESTRICTED	P=0.285N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver
 Tension Lipidosis

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/46.42	1/44.80	2/44.37	0/40.05
POLY-3 PERCENT (g)	2.2%	2.2%	4.5%	0%
TERMINAL (d)	1/38 (3%)	0/34 (0%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	729 (T)	662	664	---

STATISTICAL TESTS

LIFE TABLE	P=0.461N	P=0.743	P=0.443	P=0.600N
POLY 3	P=0.417N	P=0.753	P=0.484	P=0.529N
POLY 1.5	P=0.397N	P=0.755	P=0.490	P=0.518N
POLY 6	P=0.442N	P=0.750	P=0.479	P=0.543N
LOGISTIC REGRESSION	P=0.376N	P=0.758N	P=0.490	(e)
COCH-ARM / FISHERS	P=0.366N	P=0.753N	P=0.500	P=0.500N
ORDER RESTRICTED	P=0.292N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Liver: Centrilobular
 Necrosis

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/46.67	4/45.28	0/44.13	0/40.05
POLY-3 PERCENT (g)	2.1%	8.8%	0%	0%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	663	610	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.173N	P=0.167	P=0.510N	P=0.541N
POLY 3	P=0.151N	P=0.170	P=0.511N	P=0.530N
POLY 1.5	P=0.139N	P=0.173	P=0.507N	P=0.518N
POLY 6	P=0.165N	P=0.167	P=0.516N	P=0.545N
LOGISTIC REGRESSION	P=0.100N	P=0.215	P=0.458N	P=0.461N
COCH-ARM / FISHERS	P=0.125N	P=0.181	P=0.500N	P=0.500N
ORDER RESTRICTED	P=0.098N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Lung
Hemorrhage

LESION 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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Lung
 Thrombosis**

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	0/46.42	1/44.80	1/44.13	1/40.87
POLY-3 PERCENT (g)	0%	2.2%	2.3%	2.5%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	---	662	729 (T)	407

STATISTICAL TESTS

LIFE TABLE	P=0.325	P=0.490	P=0.453	P=0.496
POLY 3	P=0.337	P=0.493	P=0.490	P=0.475
POLY 1.5	P=0.356	P=0.495	P=0.494	P=0.485
POLY 6	P=0.313	P=0.491	P=0.486	P=0.462
LOGISTIC REGRESSION	P=0.585	P=0.546	P=0.453	(e)
COCH-ARM / FISHERS	P=0.384	P=0.500	P=0.500	P=0.500
ORDER RESTRICTED	P=0.305	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Lung: Alveolar Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	4/50 (8%)	0/50 (0%)
POLY-3 RATE (b)	3/46.78	3/45.01	4/45.29	0/40.05
POLY-3 PERCENT (g)	6.4%	6.7%	8.8%	0%
TERMINAL (d)	2/38 (5%)	2/34 (6%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	628	593	565	---

STATISTICAL TESTS

LIFE TABLE	P=0.200N	P=0.618	P=0.430	P=0.203N
POLY 3	P=0.162N	P=0.644	P=0.482	P=0.149N
POLY 1.5	P=0.141N	P=0.651	P=0.488	P=0.136N
POLY 6	P=0.189N	P=0.638	P=0.478	P=0.166N
LOGISTIC REGRESSION	P=0.076N	P=0.637N	P=0.602	P=0.124N
COCH-ARM / FISHERS	P=0.114N	P=0.661N	P=0.500	P=0.121N
ORDER RESTRICTED	P=0.112N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Lung: Alveolar Epithelium, Bronchiole
 Metaplasia**

LESION RATES

OVERALL (a)	5/50 (10%)	43/50 (86%)	42/50 (84%)	39/50 (78%)
POLY-3 RATE (b)	5/46.42	43/46.87	42/47.16	39/44.16
POLY-3 PERCENT (g)	10.8%	91.7%	89.1%	88.3%
TERMINAL (d)	5/38 (13%)	34/34 (100%)	30/30 (100%)	23/23 (100%)
FIRST INCIDENCE	729 (T)	533	381	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<0.001**	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Lung: Alveolus
 Infiltration Cellular Histiocyte

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/46.93	3/45.40	0/44.13	1/40.16
POLY-3 PERCENT (g)	4.3%	6.6%	0%	2.5%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	659	551	---	701

STATISTICAL TESTS

LIFE TABLE	P=0.322N	P=0.466	P=0.255N	P=0.594N
POLY 3	P=0.272N	P=0.485	P=0.251N	P=0.554N
POLY 1.5	P=0.260N	P=0.491	P=0.246N	P=0.533N
POLY 6	P=0.287N	P=0.479	P=0.258N	P=0.580N
LOGISTIC REGRESSION	P=0.167N	P=0.634	P=0.181N	P=0.465N
COCH-ARM / FISHERS	P=0.242N	P=0.500	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.223N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM
Lung: Bronchiole Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	11/50 (22%)	17/50 (34%)	18/50 (36%)
POLY-3 RATE (b)	0/46.42	11/45.46	17/45.83	18/42.01
POLY-3 PERCENT (g)	0%	24.2%	37.1%	42.8%
TERMINAL (d)	0/38 (0%)	8/34 (24%)	11/30 (37%)	9/23 (39%)
FIRST INCIDENCE	---	610	503	609
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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Lymph Node: Lumbar
Ectasia

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.35	0/1.11
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Lymph Node: Lumbar
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/0 (0%)	0/0 (0%)	0/1 (0%)	0/2 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.35	0/1.11
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---

STATISTICAL TESTS

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

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Mesentery: Fat
Necrosis

LESION RATES

OVERALL (a)	3/3 (100%)	6/7 (86%)	6/6 (100%)	3/3 (100%)
POLY-3 RATE (b)	3/3.00	6/7.00	6/6.00	3/3.00
POLY-3 PERCENT (g)	100%	85.7%	100%	100%
TERMINAL (d)	3/3 (100%)	3/4 (75%)	4/4 (100%)	3/3 (100%)
FIRST INCIDENCE	729 (T)	662	712	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.600	P=0.268	(e)	(e)
POLY 3	P=0.614	P=0.663N	(e)	(e)
POLY 1.5	P=0.614	P=0.663N	(e)	(e)
POLY 6	P=0.614	P=0.663N	(e)	(e)
LOGISTIC REGRESSION	P=0.600	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.622	P=0.700N	(e)	(e)
ORDER RESTRICTED	P=0.528	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Nose
 Inflammation**

LESION RATES

OVERALL (a)	2/50 (4%)	2/50 (4%)	9/49 (18%)	6/48 (13%)
POLY-3 RATE (b)	2/46.94	2/44.55	9/43.88	6/39.95
POLY-3 PERCENT (g)	4.3%	4.5%	20.5%	15%
TERMINAL (d)	0/38 (0%)	2/34 (6%)	6/30 (20%)	1/23 (4%)
FIRST INCIDENCE	659	729 (T)	684	645

STATISTICAL TESTS

LIFE TABLE	P=0.012*	P=0.656	P=0.016*	P=0.067
POLY 3	P=0.025*	P=0.675	P=0.018*	P=0.087
POLY 1.5	P=0.032*	P=0.682	P=0.020*	P=0.099
POLY 6	P=0.019*	P=0.666	P=0.016*	P=0.074
LOGISTIC REGRESSION	P=0.030*	P=0.683N	P=0.022*	P=0.127
COCH-ARM / FISHERS	P=0.047*	P=0.691N	P=0.023*	P=0.121
ORDER RESTRICTED	P=0.027*	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Nose: Olfactory Epithelium
 Atrophy**

LESION RATES

OVERALL (a)	4/50 (8%)	13/50 (26%)	11/49 (22%)	38/48 (79%)
POLY-3 RATE (b)	4/46.94	13/45.07	11/44.35	38/45.00
POLY-3 PERCENT (g)	8.5%	28.8%	24.8%	84.4%
TERMINAL (d)	2/38 (5%)	10/34 (29%)	7/30 (23%)	18/23 (78%)
FIRST INCIDENCE	659	662	638	391

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.011*	P=0.025*	P<0.001**
POLY 3	P<0.001**	P=0.011*	P=0.032*	P<0.001**
POLY 1.5	P<0.001**	P=0.012*	P=0.035*	P<0.001**
POLY 6	P<0.001**	P=0.009**	P=0.030*	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.013*	P=0.038*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.016*	P=0.041*	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Nose: Olfactory Epithelium
Hyperplasia Atypical

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	5/49 (10%)	11/48 (23%)
POLY-3 RATE (b)	0/46.42	0/44.55	5/43.61	11/39.98
POLY-3 PERCENT (g)	0%	0%	11.5%	27.5%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	3/30 (10%)	8/23 (35%)
FIRST INCIDENCE	---	---	723	480

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	P=0.020*	P<0.001**
POLY 3	P<0.001**	(e)	P=0.025*	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.027*	P<0.001**
POLY 6	P<0.001**	(e)	P=0.024*	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.023*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.027*	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Nose: Olfactory Epithelium
Hyperplasia Basal Cell

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	15/49 (31%)	33/48 (69%)
POLY-3 RATE (b)	0/46.42	0/44.55	15/43.87	33/43.13
POLY-3 PERCENT (g)	0%	0%	34.2%	76.5%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	11/30 (37%)	17/23 (74%)
FIRST INCIDENCE	---	---	664	556

STATISTICAL TESTS

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Nose: Olfactory Epithelium
 Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/43.58	0/39.08
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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Nose: Olfactory Epithelium, Glands
Hyperplasia

LESION RATES

OVERALL (a)	3/50 (6%)	11/50 (22%)	9/49 (18%)	23/48 (48%)
POLY-3 RATE (b)	3/46.42	11/44.96	9/44.33	23/41.80
POLY-3 PERCENT (g)	6.5%	24.5%	20.3%	55%
TERMINAL (d)	3/38 (8%)	9/34 (27%)	6/30 (20%)	12/23 (52%)
FIRST INCIDENCE	729 (T)	673	638	576

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.014*	P=0.032*	P<0.001**
POLY 3	P<0.001**	P=0.016*	P=0.049*	P<0.001**
POLY 1.5	P<0.001**	P=0.017*	P=0.051	P<0.001**
POLY 6	P<0.001**	P=0.015*	P=0.048*	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.015*	P=0.049*	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.020*	P=0.056	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Nose: Respiratory Epithelium
Metaplasia

LESION RATES

OVERALL (a)	1/50 (2%)	1/50 (2%)	1/49 (2%)	5/48 (10%)
POLY-3 RATE (b)	1/46.68	1/44.55	1/43.75	5/39.50
POLY-3 PERCENT (g)	2.1%	2.2%	2.3%	12.7%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	0/30 (0%)	2/23 (9%)
FIRST INCIDENCE	659	729 (T)	684	680

STATISTICAL TESTS

LIFE TABLE	P=0.009**	P=0.738	P=0.744	P=0.047*
POLY 3	P=0.017*	P=0.750	P=0.746	P=0.067
POLY 1.5	P=0.019*	P=0.754	P=0.750	P=0.077
POLY 6	P=0.015*	P=0.746	P=0.743	P=0.058
LOGISTIC REGRESSION	P=0.017*	P=0.757N	P=0.741N	P=0.074
COCH-ARM / FISHERS	P=0.022*	P=0.753N	P=0.747	P=0.093
ORDER RESTRICTED	P=0.013*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Nose: Turbinate
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/48 (0%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/43.58	0/39.08
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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Pancreas
Atrophy

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/46.42	1/44.55	0/43.58	0/39.86
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=0.582N	P=0.492	(e)	(e)
POLY 1.5	P=0.578N	P=0.495	(e)	(e)
POLY 6	P=0.585N	P=0.489	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.478	(e)	(e)
COCH-ARM / FISHERS	P=0.571N	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Pituitary Gland: Pars Distalis
 Angiectasis**

LESION RATES

OVERALL (a)	0/48 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/44.91	0/43.70	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

OVERALL (a)	1/48 (2%)	1/49 (2%)	3/49 (6%)	1/49 (2%)
POLY-3 RATE (b)	1/44.91	1/43.70	3/43.58	1/39.89
POLY-3 PERCENT (g)	2.2%	2.3%	6.9%	2.5%
TERMINAL (d)	1/37 (3%)	1/34 (3%)	3/30 (10%)	1/23 (4%)
FIRST INCIDENCE	729 (T)	729 (T)	729 (T)	729 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.383	P=0.743	P=0.233	P=0.652
POLY 3	P=0.488	P=0.755	P=0.294	P=0.734
POLY 1.5	P=0.518	P=0.758	P=0.301	P=0.747
POLY 6	P=0.449	P=0.751	P=0.288	P=0.716
LOGISTIC REGRESSION	P=0.383	P=0.743	P=0.233	P=0.652
COCH-ARM / FISHERS	P=0.562	P=0.747N	P=0.316	P=0.747N
ORDER RESTRICTED	P=0.416	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Skin
 Inflammation Chronic**

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	6/49 (12%)	3/50 (6%)
POLY-3 RATE (b)	1/46.42	2/44.55	6/44.88	3/40.55
POLY-3 PERCENT (g)	2.2%	4.5%	13.4%	7.4%
TERMINAL (d)	1/38 (3%)	2/34 (6%)	1/29 (3%)	2/23 (9%)
FIRST INCIDENCE	729 (T)	729 (T)	512	576

STATISTICAL TESTS

LIFE TABLE	P=0.099	P=0.461	P=0.046*	P=0.175
POLY 3	P=0.142	P=0.486	P=0.050*	P=0.259
POLY 1.5	P=0.166	P=0.491	P=0.051	P=0.276
POLY 6	P=0.117	P=0.480	P=0.051	P=0.238
LOGISTIC REGRESSION	P=0.264	P=0.461	P=0.091	P=0.287
COCH-ARM / FISHERS	P=0.210	P=0.500	P=0.053	P=0.309
ORDER RESTRICTED	P=0.094	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Spleen
 Hematopoietic Cell Proliferation**

LESION RATES

OVERALL (a)	3/50 (6%)	1/50 (2%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	3/47.07	1/44.55	2/43.68	0/40.05
POLY-3 PERCENT (g)	6.4%	2.2%	4.6%	0%
TERMINAL (d)	1/38 (3%)	1/34 (3%)	1/30 (3%)	0/23 (0%)
FIRST INCIDENCE	583	729 (T)	702	---

STATISTICAL TESTS

LIFE TABLE	P=0.169N	P=0.338N	P=0.564N	P=0.180N
POLY 3	P=0.127N	P=0.325N	P=0.534N	P=0.150N
POLY 1.5	P=0.118N	P=0.317N	P=0.525N	P=0.137N
POLY 6	P=0.139N	P=0.335N	P=0.544N	P=0.168N
LOGISTIC REGRESSION	P=0.102N	P=0.265N	P=0.476N	P=0.080N
COCH-ARM / FISHERS	P=0.105N	P=0.309N	P=0.510N	P=0.121N
ORDER RESTRICTED	P=0.080N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Stomach, Forestomach
Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	1/50 (2%)	5/49 (10%)
POLY-3 RATE (b)	0/46.42	2/45.01	1/44.13	5/40.82
POLY-3 PERCENT (g)	0%	4.4%	2.3%	12.3%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	1/30 (3%)	2/23 (9%)
FIRST INCIDENCE	---	593	729 (T)	556

STATISTICAL TESTS

LIFE TABLE	P=0.004**	P=0.223	P=0.453	P=0.013*
POLY 3	P=0.009**	P=0.230	P=0.490	P=0.021*
POLY 1.5	P=0.010**	P=0.233	P=0.494	P=0.024*
POLY 6	P=0.008**	P=0.228	P=0.486	P=0.018*
LOGISTIC REGRESSION	P=0.016*	P=0.280	P=0.453	P=0.035*
COCH-ARM / FISHERS	P=0.013*	P=0.247	P=0.500	P=0.027*
ORDER RESTRICTED	P=0.003**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

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

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Stomach, Forestomach
Ulcer

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	6/50 (12%)	6/49 (12%)
POLY-3 RATE (b)	1/46.45	4/46.27	6/45.91	6/41.26
POLY-3 PERCENT (g)	2.2%	8.7%	13.1%	14.5%
TERMINAL (d)	0/38 (0%)	1/34 (3%)	1/30 (3%)	2/23 (9%)
FIRST INCIDENCE	720	453	381	480

STATISTICAL TESTS

LIFE TABLE	P=0.023*	P=0.167	P=0.050*	P=0.024*
POLY 3	P=0.033*	P=0.177	P=0.054	P=0.039*
POLY 1.5	P=0.039*	P=0.178	P=0.055	P=0.044*
POLY 6	P=0.027*	P=0.177	P=0.053	P=0.033*
LOGISTIC REGRESSION	P=0.165	P=0.352	P=0.110	P=0.074
COCH-ARM / FISHERS	P=0.052	P=0.181	P=0.056	P=0.053
ORDER RESTRICTED	P=0.035*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Stomach, Forestomach: Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	7/50 (14%)	8/50 (16%)	13/49 (27%)
POLY-3 RATE (b)	2/46.45	7/46.38	8/45.10	13/42.38
POLY-3 PERCENT (g)	4.3%	15.1%	17.7%	30.7%
TERMINAL (d)	1/38 (3%)	4/34 (12%)	3/30 (10%)	4/23 (17%)
FIRST INCIDENCE	720	453	568	480

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.068	P=0.033*	P<0.001**
POLY 3	P<0.001**	P=0.078	P=0.040*	P<0.001**
POLY 1.5	P<0.001**	P=0.079	P=0.042*	P<0.001**
POLY 6	P<0.001**	P=0.078	P=0.039*	P<0.001**
LOGISTIC REGRESSION	P=0.003**	P=0.131	P=0.046*	P=0.003**
COCH-ARM / FISHERS	P=0.002**	P=0.080	P=0.046*	P=0.002**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Stomach, Glandular
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	2/48 (4%)	0/48 (0%)	1/48 (2%)
POLY-3 RATE (b)	0/46.42	2/44.00	0/42.76	1/40.53
POLY-3 PERCENT (g)	0%	4.6%	0%	2.5%
TERMINAL (d)	0/38 (0%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	---	453	---	407

STATISTICAL TESTS

LIFE TABLE	P=0.510	P=0.237	(e)	P=0.492
POLY 3	P=0.497	P=0.225	(e)	P=0.473
POLY 1.5	P=0.511	P=0.226	(e)	P=0.481
POLY 6	P=0.477	P=0.225	(e)	P=0.462
LOGISTIC REGRESSION	P=0.437N	P=0.538	(e)	(e)
COCH-ARM / FISHERS	P=0.531	P=0.237	(e)	P=0.490
ORDER RESTRICTED	P=0.301	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

**Testes
 Atrophy**

LESION RATES

OVERALL (a)	5/50 (10%)	3/50 (6%)	1/49 (2%)	1/50 (2%)
POLY-3 RATE (b)	5/46.77	3/45.82	1/43.65	1/40.21
POLY-3 PERCENT (g)	10.7%	6.6%	2.3%	2.5%
TERMINAL (d)	4/38 (11%)	0/34 (0%)	0/30 (0%)	0/23 (0%)
FIRST INCIDENCE	631	533	712	687

STATISTICAL TESTS

LIFE TABLE	P=0.102N	P=0.404N	P=0.153N	P=0.224N
POLY 3	P=0.063N	P=0.368N	P=0.118N	P=0.140N
POLY 1.5	P=0.058N	P=0.364N	P=0.114N	P=0.124N
POLY 6	P=0.069N	P=0.370N	P=0.122N	P=0.162N
LOGISTIC REGRESSION	P=0.033N*	P=0.260N	P=0.114N	P=0.134N
COCH-ARM / FISHERS	P=0.051N	P=0.357N	P=0.107N	P=0.102N
ORDER RESTRICTED	P=0.073N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Thyroid Gland: Follicular Cell Hyperplasia

LESION RATES

OVERALL (a)	7/50 (14%)	7/50 (14%)	7/49 (14%)	11/50 (22%)
POLY-3 RATE (b)	7/47.04	7/45.12	7/44.14	11/41.02
POLY-3 PERCENT (g)	14.9%	15.5%	15.9%	26.8%
TERMINAL (d)	5/38 (13%)	6/34 (18%)	4/30 (13%)	7/23 (30%)
FIRST INCIDENCE	628	551	565	628

STATISTICAL TESTS

LIFE TABLE	P=0.022*	P=0.531	P=0.463	P=0.043*
POLY 3	P=0.090	P=0.581	P=0.564	P=0.130
POLY 1.5	P=0.110	P=0.593	P=0.576	P=0.161
POLY 6	P=0.071	P=0.566	P=0.550	P=0.101
LOGISTIC REGRESSION	P=0.091	P=0.608	P=0.589	P=0.126
COCH-ARM / FISHERS	P=0.148	P=0.613N	P=0.597	P=0.218
ORDER RESTRICTED	P=0.112	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Tooth Malformation

LESION RATES

OVERALL (a)	14/15 (93%)	7/8 (88%)	8/8 (100%)	6/6 (100%)
POLY-3 RATE (b)	14/15.00	7/8.00	8/8.00	6/6.00
POLY-3 PERCENT (g)	93.3%	87.5%	100%	100%
TERMINAL (d)	12/13 (92%)	7/8 (88%)	7/7 (100%)	4/4 (100%)
FIRST INCIDENCE	659	729 (T)	723	687

STATISTICAL TESTS

LIFE TABLE	P=0.243	P=0.239N	P=0.682N	P=0.479
POLY 3	P=0.384	P=0.615N	P=0.624	P=0.680
POLY 1.5	P=0.384	P=0.615N	P=0.624	P=0.680
POLY 6	P=0.384	P=0.615N	P=0.624	P=0.680
LOGISTIC REGRESSION	(e)	P=0.239N	(e)	(e)
COCH-ARM / FISHERS	P=0.380	P=0.585N	P=0.652	P=0.714
ORDER RESTRICTED	P=0.390	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	CONTROL	250 PPM	500 PPM	1000 PPM

Trachea
 Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/46.42	0/44.55	0/43.58	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Adrenal Cortex
Hyperplasia

LESION RATES

OVERALL (a)	5/50 (10%)	7/50 (14%)	7/50 (14%)	5/49 (10%)
POLY-3 RATE (b)	5/44.31	7/45.00	7/46.73	5/46.25
POLY-3 PERCENT (g)	11.3%	15.6%	15%	10.8%
TERMINAL (d)	3/37 (8%)	6/36 (17%)	7/39 (18%)	5/35 (14%)
FIRST INCIDENCE	693	687	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.523N	P=0.366	P=0.417	P=0.602
POLY 3	P=0.462N	P=0.390	P=0.417	P=0.603N
POLY 1.5	P=0.473N	P=0.393	P=0.411	P=0.610N
POLY 6	P=0.458N	P=0.381	P=0.416	P=0.603N
LOGISTIC REGRESSION	P=0.460N	P=0.379	P=0.420	P=0.603N
COCH-ARM / FISHERS	P=0.516N	P=0.380	P=0.380	P=0.617
ORDER RESTRICTED	P=0.519N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Adrenal Cortex
 Hypertrophy**

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	1/50 (2%)	6/49 (12%)
POLY-3 RATE (b)	2/44.15	1/44.83	1/46.73	6/46.30
POLY-3 PERCENT (g)	4.5%	2.2%	2.1%	13%
TERMINAL (d)	2/37 (5%)	1/36 (3%)	1/39 (3%)	5/35 (14%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	718

STATISTICAL TESTS

LIFE TABLE	P=0.027*	P=0.510N	P=0.482N	P=0.120
POLY 3	P=0.032*	P=0.495N	P=0.480N	P=0.149
POLY 1.5	P=0.031*	P=0.493N	P=0.484N	P=0.144
POLY 6	P=0.032*	P=0.498N	P=0.479N	P=0.150
LOGISTIC REGRESSION	P=0.031*	P=0.510N	P=0.482N	P=0.136
COCH-ARM / FISHERS	P=0.029*	P=0.500N	P=0.500N	P=0.128
ORDER RESTRICTED	P=0.024*	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 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 NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Adrenal Medulla
 Hyperplasia**

LESION RATES

OVERALL (a)	1/50 (2%)	4/49 (8%)	2/50 (4%)	2/49 (4%)
POLY-3 RATE (b)	1/44.43	4/43.83	2/47.02	2/46.30
POLY-3 PERCENT (g)	2.3%	9.1%	4.3%	4.3%
TERMINAL (d)	0/37 (0%)	4/35 (11%)	1/39 (3%)	1/35 (3%)
FIRST INCIDENCE	654	731 (T)	651	718

STATISTICAL TESTS

LIFE TABLE	P=0.573	P=0.166	P=0.519	P=0.506
POLY 3	P=0.588N	P=0.174	P=0.520	P=0.514
POLY 1.5	P=0.592	P=0.177	P=0.516	P=0.510
POLY 6	P=0.587N	P=0.169	P=0.521	P=0.515
LOGISTIC REGRESSION	P=0.583	P=0.176	P=0.476	P=0.494
COCH-ARM / FISHERS	P=0.563	P=0.175	P=0.500	P=0.492
ORDER RESTRICTED	P=0.344	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Eye
Cataract

LESION RATES

OVERALL (a)	2/49 (4%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/44.08	0/44.83	1/46.73	2/46.27
POLY-3 PERCENT (g)	4.5%	0%	2.1%	4.3%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	1/39 (3%)	1/35 (3%)
FIRST INCIDENCE	731 (T)	---	731 (T)	726

STATISTICAL TESTS

LIFE TABLE	P=0.456	P=0.244N	P=0.482N	P=0.674
POLY 3	P=0.484	P=0.233N	P=0.480N	P=0.676N
POLY 1.5	P=0.479	P=0.232N	P=0.482N	P=0.680N
POLY 6	P=0.488	P=0.236N	P=0.479N	P=0.675N
LOGISTIC REGRESSION	P=0.473	(e)	P=0.482N	P=0.695N
COCH-ARM / FISHERS	P=0.468	P=0.242N	P=0.492N	P=0.691N
ORDER RESTRICTED	P=0.394N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Eye: Cornea
Inflammation Chronic

LESION RATES

OVERALL (a)	4/49 (8%)	1/50 (2%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	4/44.23	1/44.83	1/46.73	2/46.49
POLY-3 PERCENT (g)	9%	2.2%	2.1%	4.3%
TERMINAL (d)	3/37 (8%)	1/36 (3%)	1/39 (3%)	0/35 (0%)
FIRST INCIDENCE	693	731 (T)	731 (T)	672

STATISTICAL TESTS

LIFE TABLE	P=0.313N	P=0.188N	P=0.165N	P=0.341N
POLY 3	P=0.300N	P=0.174N	P=0.162N	P=0.314N
POLY 1.5	P=0.305N	P=0.172N	P=0.164N	P=0.319N
POLY 6	P=0.296N	P=0.179N	P=0.162N	P=0.312N
LOGISTIC REGRESSION	P=0.295N	P=0.178N	P=0.161N	P=0.321N
COCH-ARM / FISHERS	P=0.314N	P=0.175N	P=0.175N	P=0.339N
ORDER RESTRICTED	P=0.118N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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

Lab: BNW

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

Table with columns: DOSE, CONTROL, 125 PPM, Females (250 PPM, 500 PPM)

Harderian Gland Hyperplasia

LESION RATES

Table showing lesion rates for OVERALL (a), POLY-3 RATE (b), POLY-3 PERCENT (g), TERMINAL (d), and FIRST INCIDENCE across doses.

STATISTICAL TESTS

Table showing statistical test results for LIFE TABLE, POLY 3, POLY 1.5, POLY 6, LOGISTIC REGRESSION, COCH-ARM / FISHERS, and ORDER RESTRICTED.

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
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 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Heart
 Cardiomyopathy**

LESION RATES

OVERALL (a)	12/50 (24%)	17/50 (34%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	12/44.15	17/44.92	6/47.78	7/47.82
POLY-3 PERCENT (g)	27.2%	37.8%	12.6%	14.6%
TERMINAL (d)	12/37 (32%)	15/36 (42%)	4/39 (10%)	5/35 (14%)
FIRST INCIDENCE	731 (T)	712	509	513

STATISTICAL TESTS

LIFE TABLE	P=0.039N*	P=0.160	P=0.077N	P=0.178N
POLY 3	P=0.017N*	P=0.197	P=0.065N	P=0.109N
POLY 1.5	P=0.021N*	P=0.203	P=0.072N	P=0.119N
POLY 6	P=0.015N*	P=0.186	P=0.059N	P=0.103N
LOGISTIC REGRESSION	P=0.023N*	P=0.166	P=0.080N	P=0.121N
COCH-ARM / FISHERS	P=0.034N*	P=0.189	P=0.096N	P=0.154N
ORDER RESTRICTED	P=0.018N*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Heart
Inflammation Acute

LESION 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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Heart
Thrombosis

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	1/45.17	0/46.73	0/47.05
POLY-3 PERCENT (g)	0%	2.2%	0%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	636	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.553N	P=0.500	(e)	(e)
POLY 3	P=0.559N	P=0.505	(e)	(e)
POLY 1.5	P=0.560N	P=0.505	(e)	(e)
POLY 6	P=0.559N	P=0.504	(e)	(e)
LOGISTIC REGRESSION	P=0.630N	P=0.477	(e)	(e)
COCH-ARM / FISHERS	P=0.567N	P=0.500	(e)	(e)
ORDER RESTRICTED	P=0.374N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Islets, Pancreatic
Hyperplasia

LESION RATES

OVERALL (a)	1/49 (2%)	1/50 (2%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/44.08	1/44.83	2/46.73	3/47.05
POLY-3 PERCENT (g)	2.3%	2.2%	4.3%	6.4%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	2/39 (5%)	3/35 (9%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.151	P=0.756	P=0.518	P=0.285
POLY 3	P=0.184	P=0.757N	P=0.520	P=0.329
POLY 1.5	P=0.180	P=0.755N	P=0.518	P=0.326
POLY 6	P=0.185	P=0.760N	P=0.521	P=0.329
LOGISTIC REGRESSION	P=0.151	P=0.756	P=0.518	P=0.285
COCH-ARM / FISHERS	P=0.168	P=0.747N	P=0.508	P=0.316
ORDER RESTRICTED	P=0.244	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Kidney
Infarct

LESION RATES

OVERALL (a)	1/49 (2%)	3/50 (6%)	2/50 (4%)	1/50 (2%)
POLY-3 RATE (b)	1/44.08	3/44.83	2/46.73	1/47.05
POLY-3 PERCENT (g)	2.3%	6.7%	4.3%	2.1%
TERMINAL (d)	1/37 (3%)	3/36 (8%)	2/39 (5%)	1/35 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.490N	P=0.295	P=0.518	P=0.749
POLY 3	P=0.446N	P=0.311	P=0.520	P=0.746N
POLY 1.5	P=0.450N	P=0.314	P=0.518	P=0.748N
POLY 6	P=0.445N	P=0.307	P=0.521	P=0.746N
LOGISTIC REGRESSION	P=0.490N	P=0.295	P=0.518	P=0.749
COCH-ARM / FISHERS	P=0.468N	P=0.316	P=0.508	P=0.747N
ORDER RESTRICTED	P=0.442N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

Table with columns: DOSE, CONTROL, 125 PPM, Females (250 PPM, 500 PPM)

Kidney
Metaplasia Osseous

LESION RATES

Table with lesion rates for OVERALL (a), POLY-3 RATE (b), POLY-3 PERCENT (g), TERMINAL (d), and FIRST INCIDENCE across doses.

STATISTICAL TESTS

Table with statistical tests: LIFE TABLE, POLY 3, POLY 1.5, POLY 6, LOGISTIC REGRESSION, COCH-ARM / FISHERS, ORDER RESTRICTED.

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Kidney
 Mineralization**

LESION RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.08	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Kidney
 Nephropathy**

LESION RATES

OVERALL (a)	36/49 (73%)	34/50 (68%)	34/50 (68%)	34/50 (68%)
POLY-3 RATE (b)	36/46.93	34/46.99	34/48.27	34/49.14
POLY-3 PERCENT (g)	76.7%	72.4%	70.4%	69.2%
TERMINAL (d)	29/37 (78%)	27/36 (75%)	28/39 (72%)	27/35 (77%)
FIRST INCIDENCE	281	481	495	513

STATISTICAL TESTS

LIFE TABLE	P=0.453N	P=0.483N	P=0.289N	P=0.497N
POLY 3	P=0.243N	P=0.401N	P=0.320N	P=0.272N
POLY 1.5	P=0.269N	P=0.369N	P=0.316N	P=0.287N
POLY 6	P=0.230N	P=0.439N	P=0.334N	P=0.269N
LOGISTIC REGRESSION	P=0.262N	P=0.332N	P=0.290N	P=0.311N
COCH-ARM / FISHERS	P=0.350N	P=0.353N	P=0.353N	P=0.353N
ORDER RESTRICTED	P=0.319N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Kidney: Renal Tubule
Hyperplasia

LESION RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.08	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Kidney: Renal Tubule
Necrosis

LESION RATES

OVERALL (a)	3/49 (6%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	3/45.27	1/45.54	0/46.73	1/47.07
POLY-3 PERCENT (g)	6.6%	2.2%	0%	2.1%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	193	481	---	726

STATISTICAL TESTS

LIFE TABLE	P=0.199N	P=0.309N	P=0.118N	P=0.311N
POLY 3	P=0.192N	P=0.303N	P=0.113N	P=0.291N
POLY 1.5	P=0.193N	P=0.300N	P=0.113N	P=0.293N
POLY 6	P=0.191N	P=0.307N	P=0.113N	P=0.293N
LOGISTIC REGRESSION	P=0.407N	P=0.412N	P=0.216N	P=0.477N
COCH-ARM / FISHERS	P=0.196N	P=0.301N	P=0.117N	P=0.301N
ORDER RESTRICTED	P=0.074N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
Angiectasis

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	1/45.07	1/46.73	0/47.05
POLY-3 PERCENT (g)	0%	2.2%	2.1%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/39 (3%)	0/35 (0%)
FIRST INCIDENCE	---	668	731 (T)	---

STATISTICAL TESTS

LIFE TABLE	P=0.583N	P=0.500	P=0.511	(e)
POLY 3	P=0.576N	P=0.504	P=0.511	(e)
POLY 1.5	P=0.580N	P=0.504	P=0.509	(e)
POLY 6	P=0.576N	P=0.503	P=0.512	(e)
LOGISTIC REGRESSION	P=0.599N	P=0.492	P=0.511	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.398N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
 Basophilic Focus

LESION RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	3/44.15	3/45.51	4/46.73	1/47.05
POLY-3 PERCENT (g)	6.8%	6.6%	8.6%	2.1%
TERMINAL (d)	3/37 (8%)	2/36 (6%)	4/39 (10%)	1/35 (3%)
FIRST INCIDENCE	731 (T)	499	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.258N	P=0.653	P=0.529	P=0.325N
POLY 3	P=0.222N	P=0.648N	P=0.531	P=0.283N
POLY 1.5	P=0.227N	P=0.649N	P=0.525	P=0.287N
POLY 6	P=0.219N	P=0.651N	P=0.533	P=0.282N
LOGISTIC REGRESSION	P=0.233N	P=0.663N	P=0.529	P=0.325N
COCH-ARM / FISHERS	P=0.248N	P=0.661N	P=0.500	P=0.309N
ORDER RESTRICTED	P=0.237N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
Clear Cell Focus

LESION RATES

OVERALL (a)	4/50 (8%)	6/50 (12%)	1/50 (2%)	5/50 (10%)
POLY-3 RATE (b)	4/44.42	6/45.63	1/46.73	5/47.16
POLY-3 PERCENT (g)	9%	13.2%	2.1%	10.6%
TERMINAL (d)	3/37 (8%)	4/36 (11%)	1/39 (3%)	4/35 (11%)
FIRST INCIDENCE	656	555	731 (T)	702

STATISTICAL TESTS

LIFE TABLE	P=0.569	P=0.362	P=0.165N	P=0.488
POLY 3	P=0.541N	P=0.386	P=0.164N	P=0.537
POLY 1.5	P=0.546N	P=0.386	P=0.166N	P=0.531
POLY 6	P=0.541N	P=0.383	P=0.164N	P=0.537
LOGISTIC REGRESSION	P=0.550N	P=0.375	P=0.164N	P=0.539
COCH-ARM / FISHERS	P=0.570	P=0.370	P=0.181N	P=0.500
ORDER RESTRICTED	P=0.337N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
Eosinophilic Focus

LESION RATES

OVERALL (a)	8/50 (16%)	11/50 (22%)	7/50 (14%)	14/50 (28%)
POLY-3 RATE (b)	8/44.15	11/45.39	7/47.12	14/47.36
POLY-3 PERCENT (g)	18.1%	24.2%	14.9%	29.6%
TERMINAL (d)	8/37 (22%)	10/36 (28%)	6/39 (15%)	11/35 (31%)
FIRST INCIDENCE	731 (T)	555	618	677

STATISTICAL TESTS

LIFE TABLE	P=0.100	P=0.281	P=0.454N	P=0.093
POLY 3	P=0.150	P=0.327	P=0.445N	P=0.150
POLY 1.5	P=0.141	P=0.327	P=0.457N	P=0.141
POLY 6	P=0.154	P=0.322	P=0.438N	P=0.153
LOGISTIC REGRESSION	P=0.155	P=0.308	P=0.450N	P=0.135
COCH-ARM / FISHERS	P=0.116	P=0.306	P=0.500N	P=0.114
ORDER RESTRICTED	P=0.143	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
Mixed Cell Focus

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/44.15	1/44.83	0/46.73	1/47.05
POLY-3 PERCENT (g)	0%	2.2%	0%	2.1%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	0/39 (0%)	1/35 (3%)
FIRST INCIDENCE	---	731 (T)	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.396	P=0.495	(e)	P=0.489
POLY 3	P=0.424	P=0.503	(e)	P=0.513
POLY 1.5	P=0.420	P=0.504	(e)	P=0.510
POLY 6	P=0.424	P=0.501	(e)	P=0.513
LOGISTIC REGRESSION	(e)	P=0.495	(e)	P=0.489
COCH-ARM / FISHERS	P=0.405	P=0.500	(e)	P=0.500
ORDER RESTRICTED	P=0.264	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
 Necrosis

LESION RATES

OVERALL (a)	4/50 (8%)	3/50 (6%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	4/45.37	3/46.21	3/47.50	2/47.72
POLY-3 PERCENT (g)	8.8%	6.5%	6.3%	4.2%
TERMINAL (d)	2/37 (5%)	0/36 (0%)	1/39 (3%)	0/35 (0%)
FIRST INCIDENCE	292	370	495	513

STATISTICAL TESTS

LIFE TABLE	P=0.264N	P=0.500N	P=0.473N	P=0.338N
POLY 3	P=0.254N	P=0.490N	P=0.475N	P=0.314N
POLY 1.5	P=0.259N	P=0.489N	P=0.480N	P=0.319N
POLY 6	P=0.252N	P=0.493N	P=0.473N	P=0.314N
LOGISTIC REGRESSION	P=0.545N	P=0.628N	P=0.661N	P=0.520N
COCH-ARM / FISHERS	P=0.273N	P=0.500N	P=0.500N	P=0.339N
ORDER RESTRICTED	P=0.292N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver
 Tension Lipidosis

LESION RATES

OVERALL (a)	3/50 (6%)	3/50 (6%)	4/50 (8%)	4/50 (8%)
POLY-3 RATE (b)	3/44.42	3/45.39	4/46.73	4/47.16
POLY-3 PERCENT (g)	6.8%	6.6%	8.6%	8.5%
TERMINAL (d)	2/37 (5%)	2/36 (6%)	4/39 (10%)	3/35 (9%)
FIRST INCIDENCE	656	555	731 (T)	702

STATISTICAL TESTS

LIFE TABLE	P=0.384	P=0.654	P=0.530	P=0.495
POLY 3	P=0.425	P=0.652N	P=0.527	P=0.533
POLY 1.5	P=0.418	P=0.651N	P=0.523	P=0.527
POLY 6	P=0.427	P=0.657N	P=0.527	P=0.532
LOGISTIC REGRESSION	P=0.411	P=0.662	P=0.531	P=0.530
COCH-ARM / FISHERS	P=0.389	P=0.661N	P=0.500	P=0.500
ORDER RESTRICTED	P=0.581	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Liver: Centrilobular
 Necrosis

LESION RATES

OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/44.32	1/45.25	0/46.73	1/47.31
POLY-3 PERCENT (g)	4.5%	2.2%	0%	2.1%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	691	609	---	662

STATISTICAL TESTS

LIFE TABLE	P=0.347N	P=0.501N	P=0.232N	P=0.480N
POLY 3	P=0.361N	P=0.493N	P=0.226N	P=0.477N
POLY 1.5	P=0.362N	P=0.492N	P=0.228N	P=0.482N
POLY 6	P=0.359N	P=0.496N	P=0.226N	P=0.476N
LOGISTIC REGRESSION	P=0.409N	P=0.509N	P=0.230N	P=0.509N
COCH-ARM / FISHERS	P=0.366N	P=0.500N	P=0.247N	P=0.500N
ORDER RESTRICTED	P=0.205N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Lung
Hemorrhage

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	2/45.17	0/46.73	0/47.05
POLY-3 PERCENT (g)	0%	4.4%	0%	0%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	636	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.399N	P=0.237	(e)	(e)
POLY 3	P=0.388N	P=0.242	(e)	(e)
POLY 1.5	P=0.390N	P=0.243	(e)	(e)
POLY 6	P=0.388N	P=0.241	(e)	(e)
LOGISTIC REGRESSION	P=0.423N	P=0.234	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
ORDER RESTRICTED	P=0.240N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Lung
Thrombosis

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	2/46.04	0/46.73	0/47.05
POLY-3 PERCENT (g)	0%	4.3%	0%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	370	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.391N	P=0.247	(e)	(e)
POLY 3	P=0.385N	P=0.247	(e)	(e)
POLY 1.5	P=0.388N	P=0.246	(e)	(e)
POLY 6	P=0.385N	P=0.246	(e)	(e)
LOGISTIC REGRESSION	P=0.700N	P=0.108	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
ORDER RESTRICTED	P=0.243N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Lung: Alveolar Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	3/50 (6%)	6/50 (12%)	6/50 (12%)
POLY-3 RATE (b)	2/44.29	3/44.90	6/47.39	6/47.47
POLY-3 PERCENT (g)	4.5%	6.7%	12.7%	12.6%
TERMINAL (d)	1/37 (3%)	2/36 (6%)	5/39 (13%)	3/35 (9%)
FIRST INCIDENCE	693	713	509	662

STATISTICAL TESTS

LIFE TABLE	P=0.081	P=0.493	P=0.156	P=0.145
POLY 3	P=0.100	P=0.506	P=0.156	P=0.157
POLY 1.5	P=0.094	P=0.509	P=0.151	P=0.152
POLY 6	P=0.103	P=0.501	P=0.158	P=0.159
LOGISTIC REGRESSION	P=0.084	P=0.504	P=0.132	P=0.148
COCH-ARM / FISHERS	P=0.079	P=0.500	P=0.134	P=0.134
ORDER RESTRICTED	P=0.139	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Lung: Alveolar Epithelium, Bronchiole Metaplasia

LESION RATES

OVERALL (a)	0/50 (0%)	42/50 (84%)	49/50 (98%)	47/50 (94%)
POLY-3 RATE (b)	0/44.15	42/46.28	49/50.00	47/49.95
POLY-3 PERCENT (g)	0%	90.8%	98%	94.1%
TERMINAL (d)	0/37 (0%)	35/36 (97%)	38/39 (97%)	33/35 (94%)
FIRST INCIDENCE	---	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Lung: Alveolus
 Infiltration Cellular Histiocyte**

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/44.15	1/45.39	1/47.12	3/47.31
POLY-3 PERCENT (g)	0%	2.2%	2.1%	6.3%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	1/35 (3%)
FIRST INCIDENCE	---	555	618	677

STATISTICAL TESTS

LIFE TABLE	P=0.062	P=0.509	P=0.517	P=0.127
POLY 3	P=0.061	P=0.506	P=0.513	P=0.132
POLY 1.5	P=0.059	P=0.505	P=0.510	P=0.129
POLY 6	P=0.062	P=0.505	P=0.515	P=0.133
LOGISTIC REGRESSION	P=0.029*	P=0.424	P=0.436	P=0.125
COCH-ARM / FISHERS	P=0.054	P=0.500	P=0.500	P=0.121
ORDER RESTRICTED	P=0.044*	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Lung: Bronchiole
 Hyperplasia**

LESION RATES

OVERALL (a)	0/50 (0%)	17/50 (34%)	10/50 (20%)	14/50 (28%)
POLY-3 RATE (b)	0/44.15	17/45.53	10/47.55	14/47.37
POLY-3 PERCENT (g)	0%	37.3%	21%	29.6%
TERMINAL (d)	0/37 (0%)	13/36 (36%)	6/39 (15%)	12/35 (34%)
FIRST INCIDENCE	---	623	639	677

STATISTICAL TESTS

LIFE TABLE	P=0.009**	P<0.001**	P=0.002**	P<0.001**
POLY 3	P=0.011*	P<0.001**	P<0.001**	P<0.001**
POLY 1.5	P=0.010**	P<0.001**	P<0.001**	P<0.001**
POLY 6	P=0.012*	P<0.001**	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P=0.013*	P<0.001**	P=0.002**	P<0.001**
COCH-ARM / FISHERS	P=0.008**	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Lymph Node: Lumbar
Ectasia

LESION RATES

OVERALL (a)	2/4 (50%)	1/9 (11%)	1/5 (20%)	1/5 (20%)
POLY-3 RATE (b)	2/3.69	1/8.34	1/4.17	1/4.19
POLY-3 PERCENT (g)	54.3%	12%	24%	23.9%
TERMINAL (d)	2/3 (67%)	1/7 (14%)	1/3 (33%)	1/2 (50%)
FIRST INCIDENCE	731 (T)	731 (T)	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.670	P=0.196N	P=0.500N	P=0.691N
POLY 3	P=0.456N	P=0.194N	P=0.449N	P=0.447N
POLY 1.5	P=0.446N	P=0.197N	P=0.435N	P=0.431N
POLY 6	P=0.470N	P=0.188N	P=0.461N	P=0.471N
LOGISTIC REGRESSION	P=0.670	P=0.196N	P=0.500N	P=0.691N
COCH-ARM / FISHERS	P=0.430N	P=0.203N	P=0.405N	P=0.405N
ORDER RESTRICTED	P=0.243N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Lymph Node: Lumbar
Hyperplasia Lymphoid

LESION RATES

OVERALL (a)	0/4 (0%)	2/9 (22%)	0/5 (0%)	0/5 (0%)
POLY-3 RATE (b)	0/3.69	2/8.34	0/4.17	0/4.19
POLY-3 PERCENT (g)	0%	24%	0%	0%
TERMINAL (d)	0/3 (0%)	2/7 (29%)	0/3 (0%)	0/2 (0%)
FIRST INCIDENCE	---	731 (T)	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.549N	P=0.435	(e)	(e)
POLY 3	P=0.439N	P=0.427	(e)	(e)
POLY 1.5	P=0.430N	P=0.427	(e)	(e)
POLY 6	P=0.451N	P=0.429	(e)	(e)
LOGISTIC REGRESSION	(e)	P=0.435	(e)	(e)
COCH-ARM / FISHERS	P=0.416N	P=0.462	(e)	(e)
ORDER RESTRICTED	P=0.390N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Mesentery: Fat
 Necrosis

LESION RATES

OVERALL (a)	11/11 (100%)	10/12 (83%)	10/11 (91%)	9/9 (100%)
POLY-3 RATE (b)	11/11.00	10/11.92	10/10.91	9/9.00
POLY-3 PERCENT (g)	100%	83.9%	91.6%	100%
TERMINAL (d)	9/9 (100%)	9/10 (90%)	7/7 (100%)	5/5 (100%)
FIRST INCIDENCE	607	623	651	672

STATISTICAL TESTS

LIFE TABLE	P=0.179	P=0.322N	P=0.535	(e)
POLY 3	P=0.524	P=0.258N	P=0.537N	(e)
POLY 1.5	P=0.522	P=0.254N	P=0.518N	(e)
POLY 6	P=0.529	P=0.267N	P=0.576N	(e)
LOGISTIC REGRESSION	P=0.520	P=0.252N	P=0.500N	(e)
COCH-ARM / FISHERS	P=0.520	P=0.261N	P=0.500N	(e)
ORDER RESTRICTED	P=0.347N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose
Inflammation

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	3/50 (6%)	7/50 (14%)
POLY-3 RATE (b)	0/44.15	1/44.83	3/46.98	7/47.57
POLY-3 PERCENT (g)	0%	2.2%	6.4%	14.7%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	1/39 (3%)	2/35 (6%)
FIRST INCIDENCE	---	731 (T)	687	687

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.495	P=0.136	P=0.012*
POLY 3	P<0.001**	P=0.503	P=0.130	P=0.010**
POLY 1.5	P<0.001**	P=0.504	P=0.128	P=0.010**
POLY 6	P<0.001**	P=0.501	P=0.132	P=0.011*
LOGISTIC REGRESSION	P<0.001**	P=0.495	P=0.125	P=0.011*
COCH-ARM / FISHERS	P<0.001**	P=0.500	P=0.121	P=0.006**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose: Olfactory Epithelium
Atrophy

LESION RATES

OVERALL (a)	4/50 (8%)	11/50 (22%)	9/50 (18%)	18/50 (36%)
POLY-3 RATE (b)	4/44.76	11/45.82	9/47.75	18/47.83
POLY-3 PERCENT (g)	8.9%	24%	18.9%	37.6%
TERMINAL (d)	3/37 (8%)	9/36 (25%)	4/39 (10%)	12/35 (34%)
FIRST INCIDENCE	533	499	639	672

STATISTICAL TESTS

LIFE TABLE	P=0.002**	P=0.045*	P=0.153	P<0.001**
POLY 3	P<0.001**	P=0.048*	P=0.142	P<0.001**
POLY 1.5	P<0.001**	P=0.049*	P=0.136	P<0.001**
POLY 6	P<0.001**	P=0.046*	P=0.148	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.047*	P=0.110	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.045*	P=0.117	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose: Olfactory Epithelium
Hyperplasia Atypical

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	10/50 (20%)
POLY-3 RATE (b)	0/44.15	0/44.83	2/46.90	10/47.56
POLY-3 PERCENT (g)	0%	0%	4.3%	21%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/39 (3%)	6/35 (17%)
FIRST INCIDENCE	---	---	687	672

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	P=0.256	P=0.002**
POLY 3	P<0.001**	(e)	P=0.251	P<0.001**
POLY 1.5	P<0.001**	(e)	P=0.248	P<0.001**
POLY 6	P<0.001**	(e)	P=0.252	P<0.001**
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.244	P=0.002**
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.247	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose: Olfactory Epithelium
Hyperplasia Basal Cell

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	11/50 (22%)	25/50 (50%)
POLY-3 RATE (b)	0/44.15	1/44.83	11/47.59	25/48.52
POLY-3 PERCENT (g)	0%	2.2%	23.1%	51.5%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	8/39 (21%)	18/35 (51%)
FIRST INCIDENCE	---	731 (T)	509	565

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.495	P<0.001**	P<0.001**
POLY 3	P<0.001**	P=0.503	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.504	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.501	P<0.001**	P<0.001**
LOGISTIC REGRESSION	P<0.001**	P=0.495	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.500	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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose: Olfactory Epithelium
Necrosis

LESION RATES

OVERALL (a)	0/50 (0%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/44.15	2/44.83	2/46.73	3/47.05
POLY-3 PERCENT (g)	0%	4.5%	4.3%	6.4%
TERMINAL (d)	0/37 (0%)	2/36 (6%)	2/39 (5%)	3/35 (9%)
FIRST INCIDENCE	---	731 (T)	731 (T)	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.097	P=0.232	P=0.250	P=0.111
POLY 3	P=0.125	P=0.241	P=0.250	P=0.131
POLY 1.5	P=0.122	P=0.242	P=0.248	P=0.128
POLY 6	P=0.126	P=0.238	P=0.251	P=0.131
LOGISTIC REGRESSION	(e)	P=0.232	P=0.250	P=0.111
COCH-ARM / FISHERS	P=0.108	P=0.247	P=0.247	P=0.121
ORDER RESTRICTED	P=0.087	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose: Olfactory Epithelium, Glands
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	4/50 (8%)	4/50 (8%)	11/50 (22%)
POLY-3 RATE (b)	1/44.15	4/46.20	4/47.35	11/47.61
POLY-3 PERCENT (g)	2.3%	8.7%	8.5%	23.1%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	2/39 (5%)	7/35 (20%)
FIRST INCIDENCE	731 (T)	499	639	672

STATISTICAL TESTS

LIFE TABLE	P<0.001**	P=0.183	P=0.201	P=0.003**
POLY 3	P<0.001**	P=0.193	P=0.201	P=0.003**
POLY 1.5	P<0.001**	P=0.190	P=0.196	P=0.003**
POLY 6	P<0.001**	P=0.194	P=0.205	P=0.003**
LOGISTIC REGRESSION	P<0.001**	P=0.150	P=0.175	P=0.004**
COCH-ARM / FISHERS	P<0.001**	P=0.181	P=0.181	P=0.002**
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose: Respiratory Epithelium
Metaplasia

LESION RATES

OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	0/44.15	0/44.83	1/46.81	6/47.39
POLY-3 PERCENT (g)	0%	0%	2.1%	12.7%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	3/35 (9%)
FIRST INCIDENCE	---	---	709	687

STATISTICAL TESTS

LIFE TABLE	P<0.001**	(e)	P=0.510	P=0.020*
POLY 3	P<0.001**	(e)	P=0.512	P=0.019*
POLY 1.5	P<0.001**	(e)	P=0.509	P=0.019*
POLY 6	P<0.001**	(e)	P=0.513	P=0.020*
LOGISTIC REGRESSION	P<0.001**	(e)	P=0.506	P=0.021*
COCH-ARM / FISHERS	P<0.001**	(e)	P=0.500	P=0.013*
ORDER RESTRICTED	P<0.001**	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Nose: Turbinate
Necrosis

LESION 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	2/47.38
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	687

STATISTICAL TESTS

LIFE TABLE	P=0.053	(e)	(e)	P=0.258
POLY 3	P=0.049*	(e)	(e)	P=0.253
POLY 1.5	P=0.048*	(e)	(e)	P=0.250
POLY 6	P=0.049*	(e)	(e)	P=0.255
LOGISTIC REGRESSION	P=0.040*	(e)	(e)	P=0.224
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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Ovary
Cyst

LESION RATES

OVERALL (a)	9/48 (19%)	12/50 (24%)	14/50 (28%)	11/49 (22%)
POLY-3 RATE (b)	9/43.53	12/45.07	14/47.88	11/46.37
POLY-3 PERCENT (g)	20.7%	26.6%	29.2%	23.7%
TERMINAL (d)	8/37 (22%)	11/36 (31%)	11/39 (28%)	9/34 (27%)
FIRST INCIDENCE	726	668	495	677

STATISTICAL TESTS

LIFE TABLE	P=0.339	P=0.286	P=0.216	P=0.340
POLY 3	P=0.463	P=0.342	P=0.242	P=0.463
POLY 1.5	P=0.449	P=0.352	P=0.232	P=0.456
POLY 6	P=0.469	P=0.328	P=0.249	P=0.463
LOGISTIC REGRESSION	P=0.450	P=0.304	P=0.218	P=0.434
COCH-ARM / FISHERS	P=0.400	P=0.350	P=0.200	P=0.421
ORDER RESTRICTED	P=0.415	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Pancreas
Atrophy

LESION RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	0/44.08	0/44.83	1/46.73	3/47.17
POLY-3 PERCENT (g)	0%	0%	2.1%	6.4%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	1/39 (3%)	2/35 (6%)
FIRST INCIDENCE	---	---	731 (T)	701

STATISTICAL TESTS

LIFE TABLE	P=0.020*	(e)	P=0.511	P=0.122
POLY 3	P=0.022*	(e)	P=0.512	P=0.131
POLY 1.5	P=0.022*	(e)	P=0.510	P=0.130
POLY 6	P=0.023*	(e)	P=0.512	P=0.132
LOGISTIC REGRESSION	P=0.023*	(e)	P=0.511	P=0.132
COCH-ARM / FISHERS	P=0.021*	(e)	P=0.505	P=0.125
ORDER RESTRICTED	P=0.025*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Pituitary Gland: Pars Distalis
Angiectasis

LESION RATES

OVERALL (a)	3/50 (6%)	1/49 (2%)	7/50 (14%)	1/48 (2%)
POLY-3 RATE (b)	3/44.15	1/44.21	7/46.87	1/45.25
POLY-3 PERCENT (g)	6.8%	2.3%	14.9%	2.2%
TERMINAL (d)	3/37 (8%)	1/36 (3%)	6/39 (15%)	1/34 (3%)
FIRST INCIDENCE	731 (T)	731 (T)	694	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.448N	P=0.315N	P=0.183	P=0.335N
POLY 3	P=0.394N	P=0.305N	P=0.183	P=0.296N
POLY 1.5	P=0.405N	P=0.304N	P=0.178	P=0.301N
POLY 6	P=0.389N	P=0.306N	P=0.185	P=0.295N
LOGISTIC REGRESSION	P=0.408N	P=0.315N	P=0.181	P=0.335N
COCH-ARM / FISHERS	P=0.438N	P=0.316N	P=0.159	P=0.324N
ORDER RESTRICTED	P=0.201N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

OVERALL (a)	11/50 (22%)	19/49 (39%)	10/50 (20%)	6/48 (13%)
POLY-3 RATE (b)	11/44.15	19/44.72	10/46.94	6/45.25
POLY-3 PERCENT (g)	24.9%	42.5%	21.3%	13.3%
TERMINAL (d)	11/37 (30%)	17/36 (47%)	9/39 (23%)	6/34 (18%)
FIRST INCIDENCE	731 (T)	636	673	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.037N*	P=0.047*	P=0.443N	P=0.182N
POLY 3	P=0.019N*	P=0.060	P=0.436N	P=0.127N
POLY 1.5	P=0.022N*	P=0.061	P=0.450N	P=0.135N
POLY 6	P=0.017N*	P=0.059	P=0.428N	P=0.124N
LOGISTIC REGRESSION	P=0.021N*	P=0.053	P=0.440N	P=0.182N
COCH-ARM / FISHERS	P=0.037N*	P=0.055	P=0.500N	P=0.165N
ORDER RESTRICTED	P=0.015N*	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Skin
Inflammation Chronic

LESION RATES

OVERALL (a)	0/50 (0%)	1/50 (2%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	0/44.15	1/44.83	1/46.94	0/47.05
POLY-3 PERCENT (g)	0%	2.2%	2.1%	0%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	731 (T)	673	---

STATISTICAL TESTS

LIFE TABLE	P=0.585N	P=0.495	P=0.519	(e)
POLY 3	P=0.576N	P=0.503	P=0.512	(e)
POLY 1.5	P=0.580N	P=0.504	P=0.510	(e)
POLY 6	P=0.576N	P=0.501	P=0.514	(e)
LOGISTIC REGRESSION	P=0.596N	P=0.495	P=0.482	(e)
COCH-ARM / FISHERS	P=0.595N	P=0.500	P=0.500	(e)
ORDER RESTRICTED	P=0.398N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Spleen
 Hematopoietic Cell Proliferation**

LESION RATES

OVERALL (a)	1/49 (2%)	6/50 (12%)	2/50 (4%)	2/50 (4%)
POLY-3 RATE (b)	1/44.08	6/46.56	2/47.12	2/47.22
POLY-3 PERCENT (g)	2.3%	12.9%	4.2%	4.2%
TERMINAL (d)	1/37 (3%)	1/36 (3%)	1/39 (3%)	1/35 (3%)
FIRST INCIDENCE	731 (T)	481	618	687

STATISTICAL TESTS

LIFE TABLE	P=0.465N	P=0.066	P=0.522	P=0.498
POLY 3	P=0.440N	P=0.065	P=0.523	P=0.524
POLY 1.5	P=0.446N	P=0.064	P=0.520	P=0.520
POLY 6	P=0.436N	P=0.066	P=0.526	P=0.525
LOGISTIC REGRESSION	P=0.566N	P=0.051	P=0.498	P=0.520
COCH-ARM / FISHERS	P=0.471N	P=0.059	P=0.508	P=0.508
ORDER RESTRICTED	P=0.262	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Stomach, Forestomach
 Inflammation**

LESION RATES

OVERALL (a)	1/49 (2%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	1/44.36	0/44.83	0/46.73	0/47.05
POLY-3 PERCENT (g)	2.3%	0%	0%	0%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	656	---	---	---

STATISTICAL TESTS

LIFE TABLE	P=0.289N	P=0.505N	P=0.486N	P=0.473N
POLY 3	P=0.305N	P=0.498N	P=0.490N	P=0.488N
POLY 1.5	P=0.306N	P=0.496N	P=0.490N	P=0.489N
POLY 6	P=0.303N	P=0.501N	P=0.490N	P=0.489N
LOGISTIC REGRESSION	P=0.328N	P=0.506N	P=0.527N	P=0.533N
COCH-ARM / FISHERS	P=0.303N	P=0.495N	P=0.495N	P=0.495N
ORDER RESTRICTED	P=0.110N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:32:52

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

Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Stomach, Forestomach
Ulcer

LESION RATES

OVERALL (a)	0/49 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/44.08	0/44.83	1/46.81	2/47.07
POLY-3 PERCENT (g)	0%	0%	2.1%	4.3%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	1/35 (3%)
FIRST INCIDENCE	---	---	709	726

STATISTICAL TESTS

LIFE TABLE	P=0.068	(e)	P=0.510	P=0.228
POLY 3	P=0.077	(e)	P=0.512	P=0.252
POLY 1.5	P=0.076	(e)	P=0.511	P=0.250
POLY 6	P=0.078	(e)	P=0.513	P=0.252
LOGISTIC REGRESSION	P=0.077	(e)	P=0.507	P=0.243
COCH-ARM / FISHERS	P=0.071	(e)	P=0.505	P=0.253
ORDER RESTRICTED	P=0.084	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006
 Time Report Requested: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Stomach, Forestomach: Epithelium
 Hyperplasia**

LESION RATES

OVERALL (a)	1/49 (2%)	2/50 (4%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/44.36	2/45.07	2/46.81	3/47.22
POLY-3 PERCENT (g)	2.3%	4.4%	4.3%	6.4%
TERMINAL (d)	0/37 (0%)	1/36 (3%)	1/39 (3%)	2/35 (6%)
FIRST INCIDENCE	656	668	709	687

STATISTICAL TESTS

LIFE TABLE	P=0.246	P=0.494	P=0.520	P=0.318
POLY 3	P=0.256	P=0.506	P=0.519	P=0.328
POLY 1.5	P=0.253	P=0.509	P=0.517	P=0.326
POLY 6	P=0.257	P=0.501	P=0.518	P=0.328
LOGISTIC REGRESSION	P=0.238	P=0.504	P=0.503	P=0.307
COCH-ARM / FISHERS	P=0.237	P=0.508	P=0.508	P=0.316
ORDER RESTRICTED	P=0.271	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
 CAS Number: 98-82-8
 Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Reqsted: 02/27/2006
 Time Report Reqsted: 15:32:52
 First Dose M/F: 06/11/01 / 06/11/01
 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Stomach, Glandular
 Necrosis**

LESION RATES

OVERALL (a)	1/49 (2%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/44.24	0/44.83	0/46.73	1/46.25
POLY-3 PERCENT (g)	2.3%	0%	0%	2.2%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	1/35 (3%)
FIRST INCIDENCE	691	---	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.600	P=0.505N	P=0.490N	P=0.759N
POLY 3	P=0.603	P=0.497N	P=0.489N	P=0.751N
POLY 1.5	P=0.600	P=0.495N	P=0.490N	P=0.752N
POLY 6	P=0.605	P=0.500N	P=0.489N	P=0.751N
LOGISTIC REGRESSION	P=0.600	P=0.497N	P=0.503N	P=0.758N
COCH-ARM / FISHERS	P=0.594	P=0.495N	P=0.495N	P=0.753N
ORDER RESTRICTED	P=0.388N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

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Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Thyroid Gland: Follicular Cell
Hyperplasia

LESION RATES

OVERALL (a)	15/50 (30%)	10/50 (20%)	16/50 (32%)	10/50 (20%)
POLY-3 RATE (b)	15/45.02	10/44.85	16/47.13	10/47.46
POLY-3 PERCENT (g)	33.3%	22.3%	34%	21.1%
TERMINAL (d)	12/37 (32%)	9/36 (25%)	13/39 (33%)	7/35 (20%)
FIRST INCIDENCE	645	726	687	679

STATISTICAL TESTS

LIFE TABLE	P=0.266N	P=0.202N	P=0.571	P=0.204N
POLY 3	P=0.185N	P=0.175N	P=0.562	P=0.137N
POLY 1.5	P=0.199N	P=0.167N	P=0.554	P=0.143N
POLY 6	P=0.179N	P=0.193N	P=0.557	P=0.138N
LOGISTIC REGRESSION	P=0.179N	P=0.168N	P=0.577	P=0.135N
COCH-ARM / FISHERS	P=0.246N	P=0.178N	P=0.500	P=0.178N
ORDER RESTRICTED	P=0.144N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Tooth Malformation

LESION RATES

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

STATISTICAL TESTS

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

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Trachea
Inflammation

LESION 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	2/47.72
POLY-3 PERCENT (g)	0%	0%	0%	4.2%
TERMINAL (d)	0/37 (0%)	0/36 (0%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	---	---	---	513

STATISTICAL TESTS

LIFE TABLE	P=0.048*	(e)	(e)	P=0.241
POLY 3	P=0.049*	(e)	(e)	P=0.255
POLY 1.5	P=0.048*	(e)	(e)	P=0.251
POLY 6	P=0.050*	(e)	(e)	P=0.257
LOGISTIC REGRESSION	P=0.017*	(e)	(e)	P=0.149
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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

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Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Uterus
Angiectasis

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	3/50 (6%)
POLY-3 RATE (b)	1/44.30	2/44.83	1/46.73	3/47.10
POLY-3 PERCENT (g)	2.3%	4.5%	2.1%	6.4%
TERMINAL (d)	0/37 (0%)	2/36 (6%)	1/39 (3%)	2/35 (6%)
FIRST INCIDENCE	691	731 (T)	731 (T)	718

STATISTICAL TESTS

LIFE TABLE	P=0.233	P=0.491	P=0.749N	P=0.304
POLY 3	P=0.259	P=0.504	P=0.749N	P=0.328
POLY 1.5	P=0.254	P=0.506	P=0.750N	P=0.324
POLY 6	P=0.260	P=0.499	P=0.749N	P=0.328
LOGISTIC REGRESSION	P=0.260	P=0.504	P=0.755N	P=0.326
COCH-ARM / FISHERS	P=0.237	P=0.500	P=0.753N	P=0.309
ORDER RESTRICTED	P=0.245	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Uterus
Inflammation

LESION RATES

OVERALL (a)	1/50 (2%)	2/50 (4%)	0/50 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/44.30	2/44.83	0/46.73	1/47.07
POLY-3 PERCENT (g)	2.3%	4.5%	0%	2.1%
TERMINAL (d)	0/37 (0%)	2/36 (6%)	0/39 (0%)	0/35 (0%)
FIRST INCIDENCE	691	731 (T)	---	726

STATISTICAL TESTS

LIFE TABLE	P=0.503N	P=0.491	P=0.490N	P=0.758N
POLY 3	P=0.487N	P=0.504	P=0.489N	P=0.747N
POLY 1.5	P=0.489N	P=0.506	P=0.491N	P=0.749N
POLY 6	P=0.487N	P=0.499	P=0.489N	P=0.747N
LOGISTIC REGRESSION	P=0.480N	P=0.504	P=0.505N	P=0.757N
COCH-ARM / FISHERS	P=0.500N	P=0.500	P=0.500N	P=0.753N
ORDER RESTRICTED	P=0.362N	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 CUMENE
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

**Uterus
 Thrombosis**

LESION RATES

OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/44.15	0/44.83	0/46.73	2/47.05
POLY-3 PERCENT (g)	2.3%	0%	0%	4.3%
TERMINAL (d)	1/37 (3%)	0/36 (0%)	0/39 (0%)	2/35 (6%)
FIRST INCIDENCE	731 (T)	---	---	731 (T)

STATISTICAL TESTS

LIFE TABLE	P=0.235	P=0.505N	P=0.489N	P=0.481
POLY 3	P=0.254	P=0.497N	P=0.489N	P=0.522
POLY 1.5	P=0.251	P=0.496N	P=0.491N	P=0.518
POLY 6	P=0.255	P=0.499N	P=0.488N	P=0.523
LOGISTIC REGRESSION	P=0.235	(e)	(e)	P=0.481
COCH-ARM / FISHERS	P=0.246	P=0.500N	P=0.500N	P=0.500
ORDER RESTRICTED	P=0.145	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
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 Lab: BNW

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

DOSE	Females			
	CONTROL	125 PPM	250 PPM	500 PPM

Uterus: Endometrium
 Hyperplasia Cystic

LESION RATES

OVERALL (a)	8/50 (16%)	11/50 (22%)	18/50 (36%)	8/50 (16%)
POLY-3 RATE (b)	8/44.51	11/46.14	18/48.04	8/47.74
POLY-3 PERCENT (g)	18%	23.8%	37.5%	16.8%
TERMINAL (d)	5/37 (14%)	7/36 (19%)	14/39 (36%)	4/35 (11%)
FIRST INCIDENCE	683	609	509	662

STATISTICAL TESTS

LIFE TABLE	P=0.534	P=0.300	P=0.037*	P=0.601N
POLY 3	P=0.464N	P=0.335	P=0.030*	P=0.548N
POLY 1.5	P=0.485N	P=0.331	P=0.027*	P=0.561N
POLY 6	P=0.453N	P=0.337	P=0.031*	P=0.541N
LOGISTIC REGRESSION	P=0.528N	P=0.317	P=0.026*	P=0.566N
COCH-ARM / FISHERS	P=0.534	P=0.306	P=0.020*	P=0.607N
ORDER RESTRICTED	P=0.206N	(e)	(e)	(e)

TDMS No. 96011-06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

CUMENE

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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 ***