Experiment Number: **A60520**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Cumene**
CAS Number: **98-82-8**

Date Report Requested: **09/20/2018**
Time Report Requested: **21:54:58**

NTP Study Number:	A60520
Study Duration:	13 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A60520**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Cumene**

CAS Number: **98-82-8**

Date Report Requested: **09/20/2018**

Time Report Requested: **21:54:58**

Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	10	2.20 ± 0.53		10	2.40 ± 0.69		2.74 ± 0.11
62.5				10	2.20 ± 0.66	0.6161	
125.0				10	2.10 ± 0.48	0.6728	
250.0				10	1.80 ± 0.36	0.8230	
500.0				10	2.00 ± 0.26	0.7270	
1000.0	10	2.80 ± 0.73	0.1978	10	2.20 ± 0.42	0.6161	2.86 ± 0.24
Trend p-Value		0.1980			0.5530		

Trial Summary: Negative

Experiment Number: **A60520**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Cumene**

CAS Number: **98-82-8**

Date Report Requested: **09/20/2018**

Time Report Requested: **21:54:58**

Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

	MN PCE/1000			MN NCE/1000			% PCE
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	10	3.40 ± 0.70		10	2.30 ± 0.40		3.25 ± 0.13
62.5				9	1.33 ± 0.37	0.9396	
125.0				10	1.70 ± 0.30	0.8289	
250.0				10	2.10 ± 0.53	0.6186	
500.0	10	2.10 ± 0.28	0.9604	10	2.10 ± 0.35	0.6186	3.42 ± 0.14
Trend p-Value		0.9600			0.3290		

Trial Summary: Negative

LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte
CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean
Pairwise comparison to the concurrent control, dosed groups significant at p = 0.025/number of treatment groups; positive control value is significant at p = 0.05
Cochran-Armitage trend test, significant at p = 0.025
* Statistically significant pairwise or trend test
1: Vehicle Control: Solvent

** END OF REPORT **