Experiment Number: **G1104ZD**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Mouse/B6C3F1**

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

Date Report Requested: **09/23/2018**
Time Report Requested: **15:18:46**

NTP Study Number:	G1104ZD
Study Duration:	4 Days
Study Methodology:	Flow Cytometry
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **G1104ZD**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Cumene**

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

Date Report Requested: **09/23/2018**

Time Report Requested: **15:18:46**

Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000			MN NCE/1000		% PCE	
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	6	2.750 ± 0.166		6	1.483 ± 0.036		1.255 ± 0.064	
312.0	6	2.342 ± 0.114	0.7641	6	1.474 ± 0.036	0.5724	1.433 ± 0.091	0.1694
625.0	6	2.900 ± 0.228	0.3552	6	1.466 ± 0.029	0.6588	1.473 ± 0.081	0.1081
1250.0	5	3.050 ± 0.287	0.2016	5	1.510 ± 0.026	0.3721	1.582 ± 0.152	0.0350
Trend p-Value		0.0665			0.2754		0.0306	
Positive Control[2]	5	8.340 ± 0.690	< 0.001 *	5	1.708 ± 0.012	< 0.001 *	1.310 ± 0.142	0.7785

Trial Summary: Negative

Experiment Number: **G1104ZD**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Cumene**

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

Date Report Requested: **09/23/2018**

Time Report Requested: **15:18:46**

Tissue: Blood; Sex: Female; Number of Treatments: 4; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000			MN NCE/1000		% PCE	
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	6	2.375 ± 0.067		6	1.201 ± 0.021		1.344 ± 0.085	
250.0	6	2.233 ± 0.122	0.7604	6	1.169 ± 0.022	0.9076	1.613 ± 0.117	0.1586
500.0	6	2.442 ± 0.192	0.8397	6	1.161 ± 0.018	0.9520	1.682 ± 0.101	0.1873
1000.0	6	1.885 ± 0.137	0.8685	6	1.123 ± 0.015	0.9666	1.339 ± 0.085	0.1965
Trend p-Value		0.9848			0.9964		0.7040	
Positive Control[2]	5	12.450 ± 0.773	0.0030 *	5	1.422 ± 0.028	< 0.001 *	0.852 ± 0.056	0.0010 *

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
Pairwise comparison with the control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: Corn Oil
2: 150.0 mg/kg Ethyl Methane Sulfonate

** END OF REPORT **