

Experiment Number: **G1104ZC**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Fischer 344**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Cumene**

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

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

Time Report Requested: **15:14:30**

**NTP Study Number:**

G1104ZC

**Study Duration:**

4 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Negative

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

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	6	0.332 ± 0.034		6	0.071 ± 0.005		1.433 ± 0.110	
400.0	6	0.333 ± 0.046	1.0000	6	0.088 ± 0.016	0.2183	1.517 ± 0.131	1.0000
800.0	6	0.175 ± 0.057	1.0000	6	0.086 ± 0.014	0.2347	1.001 ± 0.071	0.1716
Trend p-Value		0.9700			0.0753		0.2937	
Positive Control <sup>2</sup>	12	2.253 ± 0.674	0.1511	12	0.061 ± 0.008	0.6842	0.892 ± 0.221	0.2611

Trial Summary: Negative

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LEGEND

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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  $\pm$  Standard Error Mean

Pairwise comparison with the control group; values are significant at  $P \leq 0.025$  by Williams or Dunn's test

Dose-related trend; significant at  $P \leq 0.025$  by linear regression or Jonckheere's test

\* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 200.0 mg/kg Ethyl Methane Sulfonate

**\*\* END OF REPORT \*\***