

Experiment Number: A37530

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Aspartame

CAS Number: 22839-47-0

Date Report Requested: 09/20/2018

Time Report Requested: 11:21:07

**NTP Study Number:**

A37530

**Study Duration:**

3 Days

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control <sup>1</sup>	5	1.40 ± 0.46		60.80 ± 2.99	
500.0	5	1.10 ± 0.37	0.7259	57.50 ± 3.27	
1000.0	5	1.10 ± 0.24	0.7259	39.00 ± 3.41	
2000.0	5	0.80 ± 0.46	0.8997	55.40 ± 4.98	
Trend p-Value		0.8890			
Positive Control <sup>2</sup>	5	32.00 ± 9.29	< 0.001 *	10.70 ± 2.18	

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

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  $p = 0.025/\text{number of treatment groups}$ ; 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

2: 25.0 mg/kg Cyclophosphamide

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