

Experiment Number: A66023

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/P16(INK4A)(+/-) (C57BL/6)

G04: In Vivo Micronucleus Summary Data

Test Compound: Aspartame

CAS Number: 22839-47-0

Date Report Requested: 09/21/2018

Time Report Requested: 00:10:37

NTP Study Number:

A66023

Study Duration:

39 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 273; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	14	1.86 ± 0.19	
3125.0	14	1.82 ± 0.24	0.5393
6250.0	15	2.00 ± 0.20	0.3477
12500.0	14	1.54 ± 0.19	0.8223
25000.0	16	1.84 ± 0.22	0.5152
50000.0	13	1.42 ± 0.23	0.8930
Trend p-Value		0.9100	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 273; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	13	1.19 ± 0.20	
3125.0	15	1.17 ± 0.20	0.5351
6250.0	13	1.42 ± 0.26	0.2333
12500.0	15	1.40 ± 0.27	0.2485
25000.0	15	1.40 ± 0.15	0.2485
50000.0	14	1.14 ± 0.19	0.5668
Trend p-Value		0.6050	

Trial Summary: Negative

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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 \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: Feed

**** END OF REPORT ****