

Experiment Number: A20159

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/P53 +/- (C57BL/6)

G04: In Vivo Micronucleus Summary Data

Test Compound: Aspartame

CAS Number: 22839-47-0

Date Report Requested: 09/20/2018

Time Report Requested: 05:21:13

NTP Study Number:

A20159

Study Duration:

39 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Positive

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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	1.18 ± 0.19	
3125.0	15	1.40 ± 0.20	0.2292
6250.0	13	1.27 ± 0.25	0.3816
12500.0	15	1.27 ± 0.18	0.3809
25000.0	14	1.57 ± 0.16	0.1048
50000.0	14	1.43 ± 0.22	0.2062
Trend p-Value		0.2010	

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	14	0.79 ± 0.14	
3125.0	14	1.04 ± 0.20	0.1634
6250.0	14	0.96 ± 0.15	0.2374
12500.0	15	1.13 ± 0.17	0.0890
25000.0	15	1.03 ± 0.17	0.1620
50000.0	15	1.80 ± 0.20	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: A20159

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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 ****