

Experiment Number: A34828

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

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

G04: In Vivo Micronucleus Summary Data

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 09/20/2018

Time Report Requested: 10:23:35

NTP Study Number:

A34828

Study Duration:

6 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

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G04: In Vivo Micronucleus Summary Data

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CAS Number: 77-09-8

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

Tissue: Blood; Sex: Male; Number of Treatments: 42; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	14	0.89 ± 0.09	
200.0	15	0.97 ± 0.15	0.3854
375.0	15	1.20 ± 0.14	0.1271
750.0	13	1.19 ± 0.17	0.1400
3000.0	15	1.83 ± 0.18	0.0011 *
12000.0	14	3.32 ± 0.28	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

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CAS Number: 77-09-8

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

Tissue: Blood; Sex: Female; Number of Treatments: 42; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	15	0.60 ± 0.16	
200.0	13	0.81 ± 0.17	0.1764
375.0	14	0.89 ± 0.18	0.0977
750.0	15	0.93 ± 0.16	0.0701
3000.0	14	1.61 ± 0.20	< 0.001 *
12000.0	15	2.57 ± 0.20	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

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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 ****