

Experiment Number: 813096
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: DL-menthol
CAS Number: 89-78-1

Date Report Requested: 09/19/2018
Time Report Requested: 20:21:08

NTP Study Number: 813096
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.50 ± 0.69		2.30 ± 0.28
250.0	5	2.80 ± 0.72	0.3399	2.44 ± 0.32
500.0	5	2.40 ± 0.37	0.5569	2.32 ± 0.32
1000.0	3	3.50 ± 1.04	0.1264	0.83 ± 0.19
Trend p-Value		0.1640		
Positive Control ²	5	8.10 ± 0.83	< 0.001 *	0.66 ± 0.10

Trial Summary: Negative

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.90 ± 0.43		54.40 ± 1.68
250.0	5	3.60 ± 0.58	0.1922	64.20 ± 3.58
500.0	5	2.20 ± 0.34	0.8368	56.70 ± 3.31
1000.0	3	3.67 ± 0.60	0.2025	51.83 ± 9.71
Trend p-Value		0.3740		
Positive Control ²	5	9.60 ± 0.87	< 0.001 *	57.50 ± 1.76

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: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****