

Experiment Number: A52245

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: alpha-Fenchone

CAS Number: 1195-79-5

Date Report Requested: 09/20/2018

Time Report Requested: 18:07:57

NTP Study Number:

A52245

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Equivocal

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 72 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.50 ± 0.16		58.40 ± 4.72
156.0	5	0.50 ± 0.16	0.5000	52.90 ± 7.05
312.0	5	0.20 ± 0.12	0.8716	64.20 ± 4.19
625.0	5	0.90 ± 0.19	0.1424	46.30 ± 4.45
1250.0	5	0.60 ± 0.19	0.3815	47.00 ± 2.89
2500.0	5	1.20 ± 0.68	0.0447	24.40 ± 3.86
Trend p-Value		0.0070 *		
Positive Control ²	5	11.00 ± 2.72	< 0.001 *	31.10 ± 5.66

Trial Summary: Equivocal

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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: 20.0 mg/kg Cyclophosphamide

**** END OF REPORT ****