

Experiment Number: A82162

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: alpha-Pinene

CAS Number: 80-56-8

Date Report Requested: 06/23/2020

Time Report Requested: 12:34:28

NTP Study Number:

A82162

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male

		MN NCE/1000	
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.600 ± 0.330	
25.0	5	1.800 ± 0.300	0.3657
50.0	5	1.900 ± 0.530	0.3059
100.0	5	2.100 ± 0.430	0.2053
200.0	5	1.900 ± 0.290	0.3059
400.0	5	1.400 ± 0.400	0.6426
Trend p-value		0.7420	

Trial Summary: Negative

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Tissue: Blood; Sex: Female

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.400 ± 0.190	
25.0	5	2.100 ± 0.430	0.1182
50.0	5	1.800 ± 0.250	0.2396
100.0	5	1.700 ± 0.440	0.2949
200.0	5	1.700 ± 0.300	0.2949
400.0	5	1.100 ± 0.190	0.7259
Trend p-value		0.8990	

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

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Air

**** END OF REPORT ****