

Experiment Number: A82256

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cumene hydroperoxide

CAS Number: 80-15-9

Date Report Requested: 09/21/2018

Time Report Requested: 06:24:48

NTP Study Number:

A82256

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.80 ± 0.70	
0.75	5	2.70 ± 0.70	0.5537
1.5	5	2.90 ± 0.29	0.4472
3.0	5	1.90 ± 0.37	0.9056
6.0	5	2.80 ± 0.34	0.5000
12.0	5	3.10 ± 0.51	0.3478
Trend p-Value		0.2640	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.90 ± 0.37	
0.75	5	1.40 ± 0.29	0.8082
1.5	5	2.10 ± 0.19	0.3758
3.0	5	1.50 ± 0.42	0.7538
6.0	5	1.30 ± 0.25	0.8558
12.0	5	1.50 ± 0.42	0.7538
Trend p-Value		0.7770	

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: Ethanol

**** END OF REPORT ****