

Experiment Number: A00971

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: tert-Butyl alcohol

CAS Number: 75-65-0

Date Report Requested: 09/19/2018

Time Report Requested: 22:15:26

NTP Study Number:

A00971

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/mL)	N	Mean ± SEM	p-Value
Vehicle Control ¹	8	0.94 ± 0.06	
2.5	10	0.97 ± 0.10	0.4318
5.0	10	0.73 ± 0.08	0.8938
10.0	9	0.89 ± 0.19	0.6037
20.0	9	0.81 ± 0.12	0.7704
40.0	3	0.57 ± 0.29	0.9299
Trend p-Value		0.9290	
Positive Control ²	3	19.47 ± 0.66	< 0.001 *

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/mL)	N	Mean ± SEM	p-Value
Vehicle Control ¹	9	0.61 ± 0.12	
2.5	8	0.35 ± 0.09	0.9661
5.0	10	0.45 ± 0.11	0.8738
10.0	10	0.51 ± 0.08	0.7556
20.0	9	0.70 ± 0.12	0.2916
40.0	5	0.75 ± 0.10	0.2445
Trend p-Value		0.0190 *	

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: Water

2: 0.2 mg/mL Urne

**** END OF REPORT ****