

Experiment Number: A50244
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: tert-Butyl alcohol
CAS Number: 75-65-0

Date Report Requested: 09/20/2018

Time Report Requested: 17:16:41

NTP Study Number:	A50244
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	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	1.70 ± 0.49		52.90 ± 2.79
39.06	5	1.00 ± 0.35	0.9112	50.40 ± 5.51
78.125	4	1.25 ± 0.43	0.7809	43.13 ± 10.53
156.25	5	1.20 ± 0.41	0.8236	52.70 ± 4.68
312.5	5	0.90 ± 0.29	0.9418	57.20 ± 2.99
625.0	5	1.80 ± 0.25	0.4328	50.90 ± 4.97
Trend p-Value		0.2220		
Positive Control ²	5	29.20 ± 3.76	< 0.001 *	33.10 ± 5.56

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: Phosphate Buffered Saline

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****