

Experiment Number: A34876
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: t-Butylhydroquinone
CAS Number: 1948-33-0

Date Report Requested: 09/20/2018

Time Report Requested: 10:33:38

NTP Study Number:	A34876
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		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	0.80 ± 0.44		2	0.00 ± 0.00		49.00 ± 0.80
9.375	4	0.88 ± 0.43	0.4312	1	0.00 ± 0.00	< 0.001 *	22.30 ± 0.00
18.75	5	1.70 ± 0.46	0.0358				60.58 ± 2.63
37.5	5	1.30 ± 0.41	0.1375	1	0.00 ± 0.00	< 0.001 *	45.20 ± 0.00
75.0	5	1.00 ± 0.45	0.3186	1	0.00 ± 0.00	< 0.001 *	48.10 ± 0.00
150.0	5	1.40 ± 0.19	0.1003	3	0.00 ± 0.00	0.5000	42.50 ± 2.94
300.0	1	1.00 ± 0.00	< 0.001 *				56.60 ± 0.00
Trend p-Value		0.2530					
Positive Control ²	5	17.60 ± 1.46	< 0.001 *	5	0.00 ± 0.00	0.5000	47.64 ± 2.87
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: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****