

Experiment Number: A09151

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: p-tert-Butylcatechol

CAS Number: 98-29-3

Date Report Requested: 09/20/2018

Time Report Requested: 01:32:12

**NTP Study Number:**

A09151

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

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Test Compound: p-tert-Butylcatechol  
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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		% PCE	
		Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control <sup>1</sup>	5	1.00 ± 0.16		42.10 ± 2.67	
125.0	5	1.80 ± 0.66	0.0652	35.80 ± 5.10	
250.0	5	2.90 ± 0.83	0.0012 *	39.00 ± 3.32	
500.0	1	2.00 ± 0.00	< 0.001 *	32.00 ± 0.00	
Trend p-Value		0.0010 *			
Positive Control <sup>2</sup>	5	17.80 ± 2.41	< 0.001 *	31.60 ± 3.73	

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.80 ± 0.34		47.00 ± 3.19
125.0	5	3.00 ± 0.69	0.0414	41.50 ± 1.40
250.0	3	1.33 ± 0.17	0.7610	40.67 ± 0.88
300.0	4	2.13 ± 0.24	0.3114	41.38 ± 2.33
Trend p-Value		0.5820		
Positive Control <sup>2</sup>	5	11.70 ± 2.08	< 0.001 *	37.00 ± 3.23

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LEGEND

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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: 10.0 mg/kg Cyclophosphamide

**\*\* END OF REPORT \*\***