

Experiment Number: 874983

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Phenol

CAS Number: 108-95-2

Date Report Requested: 09/19/2018

Time Report Requested: 20:57:37

NTP Study Number:

874983

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	2.40 ± 0.70		54.40 ± 2.42	
45.0	5	2.40 ± 0.19	0.5000	52.40 ± 1.91	
90.0	5	2.40 ± 0.62	0.5000	44.40 ± 1.86	
180.0	5	5.30 ± 1.38	0.0075 *	51.80 ± 1.20	
Trend p-Value		0.0020 *			
Positive Control ²	5	7.50 ± 0.91	< 0.001 *	69.00 ± 3.07	

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.60 ± 0.33		50.40 ± 7.14
45.0	5	2.90 ± 0.58	0.3427	54.10 ± 2.58
90.0	5	4.00 ± 0.61	0.0422	57.10 ± 5.07
180.0	5	4.30 ± 0.89	0.0202	52.70 ± 7.18
Trend p-Value		0.0110 *		
Positive Control ²	5	8.00 ± 0.95	< 0.001 *	53.20 ± 2.62

Trial Summary: Positive

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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: 0.2 mg/kg Mitomycin-C

**** END OF REPORT ****