

Experiment Number: 476079

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Phenylbutazone

CAS Number: 50-33-9

Date Report Requested: 09/19/2018

Time Report Requested: 17:16:52

NTP Study Number:

476079

Study Duration:

96 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: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	3	1.67 ± 0.88		38.00 ± 3.56
50.0	3	1.33 ± 0.88	0.5896	41.73 ± 4.51
100.0	2	3.00 ± 0.00	0.2517	37.50 ± 3.80
300.0	3	2.33 ± 1.86	0.3474	44.80 ± 5.75
Trend p-Value		0.3130		

Trial Summary: 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	1.60 ± 0.24		40.36 ± 3.14
75.0	5	1.10 ± 0.33	0.8322	46.94 ± 1.16
150.0	5	0.30 ± 0.12	0.9986	47.00 ± 2.26
300.0	4	0.88 ± 0.43	0.9120	43.05 ± 1.99
Trend p-Value		0.9620		
Positive Control ²	2	6.75 ± 0.25	< 0.001 *	20.70 ± 2.90

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: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****