

Experiment Number: A34520
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Methyl dopa
CAS Number: 555-30-6

Date Report Requested: 09/20/2018

Time Report Requested: 10:13:38

NTP Study Number: A34520
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	1.70 ± 0.46		2	0.00 ± 0.00		42.50 ± 1.10
50.0	5	1.60 ± 0.24	0.5692	5	0.00 ± 0.00	0.5000	43.08 ± 1.78
75.0	5	1.50 ± 0.35	0.6383	3	0.00 ± 0.00	0.5000	40.50 ± 4.70
100.0	5	1.60 ± 0.29	0.5692	3	0.00 ± 0.00	0.5000	41.00 ± 4.51
150.0	5	1.20 ± 0.30	0.8236	3	0.00 ± 0.00	0.5000	43.97 ± 2.14
Trend p-Value		0.8050					
Positive Control ²	5	13.10 ± 1.20	< 0.001 *	5	0.00 ± 0.00	0.5000	48.38 ± 2.32

Trial Summary: Negative

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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 ± 0.34		1	0.00 ± 0.00		36.60 ± 0.00
50.0	5	0.90 ± 0.37	0.4041	3	0.00 ± 0.00	0.5000	42.80 ± 1.15
75.0	5	1.00 ± 0.16	0.3186				55.88 ± 0.89
100.0	5	0.80 ± 0.25	0.5000	1	0.00 ± 0.00	< 0.001 *	48.60 ± 0.00
150.0	5	0.50 ± 0.27	0.7974	2	0.00 ± 0.00	0.5000	48.20 ± 1.60
Trend p-Value		0.7850					
Positive Control ²	5	9.30 ± 1.55	< 0.001 *	5	0.00 ± 0.00	0.5000	52.84 ± 1.55

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: 15.0 mg/kg Cyclophosphamide

**** END OF REPORT ****