

Experiment Number: A12647
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 2-Amino-4-nitrophenol
CAS Number: 99-57-0

Date Report Requested: 09/20/2018

Time Report Requested: 02:50:07

NTP Study Number:	A12647
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)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	0.70 ± 0.25		3	0.00 ± 0.00		41.17 ± 2.80
4.687	5	0.90 ± 0.29	0.3085	4	0.00 ± 0.00	0.5000	40.13 ± 2.57
9.375	4	1.25 ± 0.32	0.1163	3	0.00 ± 0.00	0.5000	44.00 ± 1.64
18.75	5	2.10 ± 0.48	0.0041	4	0.00 ± 0.00	0.5000	42.83 ± 3.47
37.5	5	1.70 ± 0.25	0.0206	5	0.00 ± 0.00	0.5000	42.12 ± 2.51
75.0	4	1.75 ± 0.52	0.0202	4	0.00 ± 0.00	0.5000	44.33 ± 2.95
150.0	5	1.10 ± 0.24	0.1728	2	0.00 ± 0.00	0.5000	40.20 ± 3.90
300.0	2	1.00 ± 0.50	0.2836	2	0.00 ± 0.00	0.5000	32.70 ± 8.50
Trend p-Value		0.6190					
Positive Control ²	5	16.20 ± 0.80	< 0.001 *	5	0.00 ± 0.00	0.5000	43.20 ± 2.66
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	1.10 ± 0.19		1	0.00 ± 0.00		46.20 ± 0.00
18.75	5	1.30 ± 0.25	0.3415				54.84 ± 1.20
37.5	5	1.60 ± 0.19	0.1678	3	0.00 ± 0.00	0.5000	44.60 ± 0.51
75.0	5	1.10 ± 0.24	0.5000				58.64 ± 1.92
150.0	5	0.70 ± 0.25	0.8272				57.32 ± 1.33
Trend p-Value		0.9110					
Positive Control ²	5	13.10 ± 0.83	< 0.001 *	5	0.00 ± 0.00	0.5000	46.96 ± 1.90

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****