

Experiment Number: A17175
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Aniline
CAS Number: 62-53-3

Date Report Requested: 09/20/2018
Time Report Requested: 04:34:54

NTP Study Number: A17175
Study Duration: 48 Hours
Study Methodology: Slide Scoring
Male Study Result: Positive

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 2; 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	3	1.83 ± 0.73		70.83 ± 2.83
25.0	4	1.00 ± 0.35	0.9075	69.50 ± 2.39
50.0	4	0.50 ± 0.20	0.9915	69.88 ± 2.73
100.0	4	0.88 ± 0.24	0.9413	70.25 ± 2.02
Trend p-Value		0.9340		
Positive Control ²	3	20.17 ± 0.60	< 0.001 *	52.50 ± 1.50

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	0.70 ± 0.12		57.00 ± 4.37
12.0	5	1.20 ± 0.41	0.1828	64.00 ± 2.33
23.0	5	2.60 ± 0.43	0.0045 *	66.90 ± 4.76
47.0	5	1.40 ± 0.46	0.1141	59.70 ± 3.94
120.0	5	2.10 ± 0.29	0.0184	64.60 ± 4.88
470.0	5	3.30 ± 1.34	< 0.001 *	63.60 ± 3.58
Trend p-Value		0.0010 *		
Positive Control ²	5	17.90 ± 1.16	< 0.001 *	57.30 ± 4.19

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: Corn Oil

2: 20.0 mg/kg Cyclophosphamide

**** END OF REPORT ****