

Experiment Number: **A90027**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Resorcinol**
CAS Number: **108-46-3**

Date Report Requested: **09/21/2018**
Time Report Requested: **09:26:51**

NTP Study Number: A90027
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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.10 ± 0.33		49.40 ± 3.52
18.75	5	1.50 ± 0.69	0.8416	51.00 ± 2.36
37.5	5	2.30 ± 0.51	0.3814	50.10 ± 2.14
75.0	5	2.20 ± 0.72	0.4393	50.70 ± 1.77
150.0	5	4.40 ± 0.43	0.0021 *	45.40 ± 3.40
Trend p-Value		< 0.001 *		
Positive Control ²	5	26.10 ± 0.48	< 0.001 *	45.00 ± 3.85

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	1.80 ± 0.49		51.70 ± 1.40
75.0	5	0.90 ± 0.29	0.9585	49.80 ± 1.43
100.0	5	1.50 ± 0.16	0.6994	46.70 ± 2.01
150.0	5	3.20 ± 1.12	0.0237	46.20 ± 1.11
200.0	5	2.80 ± 0.60	0.0700	47.80 ± 3.41
Trend p-Value		0.0030 *		
Positive Control ³	5	19.30 ± 1.79	< 0.001 *	45.60 ± 1.73

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: 25.0 mg/kg Cyclophosphamide

3: 15.0 mg/kg Cyclophosphamide

**** END OF REPORT ****