

Experiment Number: **A64807**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Diazoaminobenzene**

CAS Number: **136-35-6**

Date Report Requested: **09/20/2018**

Time Report Requested: **23:25:32**

NTP Study Number:

A64807

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	5	0.60 ± 0.10		59.70 ± 1.79
25.0	5	5.30 ± 1.60	0.1911	64.50 ± 2.33
50.0	5	50.40 ± 20.01	< 0.001 *	65.30 ± 1.79
100.0	4	80.38 ± 34.34	< 0.001 *	57.50 ± 4.41
Trend p-Value		< 0.001 *		
Positive Control ²	5	25.80 ± 2.54	< 0.001 *	52.60 ± 1.46

Trial Summary: Positive

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	0.70 ± 0.12		57.00 ± 4.37	
25.0	5	2.10 ± 0.29	0.0041 *	61.20 ± 1.43	
50.0	5	5.00 ± 0.79	< 0.001 *	60.40 ± 1.35	
100.0	5	9.00 ± 1.11	< 0.001 *	63.40 ± 1.58	
Trend p-Value		< 0.001 *			
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 ****