

Experiment Number: A02197

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Benzene + aniline combo

CAS Number: BENZANILINMX

Date Report Requested: 09/19/2018

Time Report Requested: 22:35:34

NTP Study Number:

A02197

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
1.0	5	14.50 ± 4.66	< 0.001 *	63.70 ± 2.02
2.0	5	15.70 ± 1.38	< 0.001 *	64.30 ± 1.74
3.0	5	25.00 ± 6.53	< 0.001 *	63.40 ± 2.01
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	
1.0	5	2.00 ± 0.71	0.0061 *	59.20 ± 3.14	
2.0	5	3.00 ± 0.55	< 0.001 *	62.40 ± 0.19	
3.0	5	3.80 ± 0.93	< 0.001 *	65.50 ± 2.53	
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 ****