

Experiment Number: 912768
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Furosemide
CAS Number: 54-31-9

Date Report Requested: 09/19/2018
Time Report Requested: 21:24:46

NTP Study Number: 912768
Study Duration: 48 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 2; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	3	2.67 ± 1.20		33.80 ± 1.39	
100.0	3	2.00 ± 0.58	0.7754	45.33 ± 3.90	
Trend p-Value		0.7750			

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	3	2.00 ± 1.00		49.53 ± 0.44
200.0	2	3.50 ± 0.50	0.0745	46.65 ± 4.05
300.0	1	1.00 ± 0.00	< 0.001 *	47.50 ± 0.00
Trend p-Value		0.0750		

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.50 ± 0.47		41.14 ± 2.02
62.5	5	0.90 ± 0.10	0.8898	40.76 ± 1.58
125.0	5	2.20 ± 0.75	0.1247	41.80 ± 2.92
250.0	5	3.20 ± 0.46	0.0065 *	44.10 ± 1.62
Trend p-Value		< 0.001 *		
Positive Control ²	5	36.80 ± 10.33	< 0.001 *	32.14 ± 2.99

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.40 ± 0.51		42.88 ± 2.62
62.5	5	1.40 ± 0.19	0.5000	49.00 ± 1.02
125.0	4	1.25 ± 0.48	0.6080	46.20 ± 1.62
250.0	5	1.40 ± 0.40	0.5000	44.30 ± 2.10
Trend p-Value		0.5120		
Positive Control ²	5	48.50 ± 11.90	< 0.001 *	36.36 ± 4.62

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: 100.0 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****