

Experiment Number: A59443

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Ethidium bromide

CAS Number: 1239-45-8

Date Report Requested: 09/20/2018

Time Report Requested: 21:26:27

NTP Study Number:

A59443

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; 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	5	1.50 ± 0.57		42.00 ± 2.30	
1.25	5	0.80 ± 0.20	0.9279	50.60 ± 4.04	
2.5	5	0.90 ± 0.37	0.8898	45.50 ± 6.00	
5.0	5	0.80 ± 0.25	0.9279	38.00 ± 4.86	
10.0	5	0.50 ± 0.16	0.9874	32.10 ± 2.47	
Trend p-Value		0.9740			
Positive Control ²	5	28.50 ± 3.52	< 0.001 *	30.80 ± 5.20	

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: Phosphate Buffered Saline

2: 7.5 mg/kg Cyclophosphamide

**** END OF REPORT ****