

Experiment Number: A29092
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Luminol
CAS Number: 521-31-3

Date Report Requested: 09/20/2018
Time Report Requested: 08:14:41

NTP Study Number: A29092
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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	4	0.50 ± 0.35		5.05 ± 0.72
312.5	5	0.90 ± 0.29	0.1604	3.98 ± 0.45
625.0	5	1.50 ± 0.42	0.0200	3.78 ± 0.69
1250.0	5	0.90 ± 0.46	0.1604	3.88 ± 0.71
Trend p-Value		0.2200		
Positive Control ²	4	20.50 ± 2.19	< 0.001 *	1.90 ± 0.70

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****