

Experiment Number: A92447

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: 17beta-Estradiol

CAS Number: 50-28-2

Date Report Requested: 09/21/2018

Time Report Requested: 11:00:16

NTP Study Number:

A92447

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	0.50 ± 0.22		45.60 ± 2.49	
312.5	5	1.10 ± 0.29	0.0667	35.30 ± 2.68	
625.0	5	0.90 ± 0.40	0.1424	28.60 ± 2.07	
1250.0	4	0.38 ± 0.24	0.6537	27.38 ± 1.43	
Trend p-Value		0.7330			
Positive Control ²	5	42.00 ± 7.56	< 0.001 *	5.80 ± 2.28	

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 ****