

Experiment Number: A78856

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cyclophosphamide

CAS Number: 50-18-0

Date Report Requested: 09/21/2018

Time Report Requested: 04:56:29

NTP Study Number:

A78856

Study Duration:

4 Days

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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Tissue: Blood; 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	5	3.60 ± 0.81		1.94 ± 0.35
25.0	5	18.50 ± 2.77	< 0.001 *	1.46 ± 0.31
50.0	5	26.44 ± 1.52	< 0.001 *	0.28 ± 0.07
75.0	5	35.03 ± 3.60	< 0.001 *	0.20 ± 0.11
100.0	2	27.89 ± 11.14	< 0.001 *	1.50 ± 1.00
Trend p-Value		< 0.001 *		

Trial Summary: Positive

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Test Compound: Cyclophosphamide

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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	5	3.16 ± 0.60		30.03 ± 9.50
25.0	5	26.00 ± 1.99	< 0.001 *	18.90 ± 0.31
50.0	5	37.70 ± 3.14	< 0.001 *	14.80 ± 1.22
75.0	4	40.88 ± 5.37	< 0.001 *	13.92 ± 1.77
100.0	4	33.88 ± 5.41	< 0.001 *	12.29 ± 2.44
Trend p-Value		< 0.001 *		

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: Phosphate Buffered Saline

**** END OF REPORT ****