

Experiment Number: A25833

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Cyclophosphamide monohydrate

CAS Number: 6055-19-2

Date Report Requested: 09/20/2018

Time Report Requested: 06:51:24

NTP Study Number:

A25833

Study Duration:

4 Days

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Experiment Number: A25833

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Cyclophosphamide monohydrate

CAS Number: 6055-19-2

Date Report Requested: 09/20/2018

Time Report Requested: 06:51:24

Tissue: Blood; Sex: Male; Number of Treatments: 4; 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	0.10 ± 0.10		4.24 ± 0.37
2.5	5	1.70 ± 0.62	< 0.001 *	3.26 ± 0.13
5.0	5	2.00 ± 0.22	< 0.001 *	2.62 ± 0.17
10.0	5	3.50 ± 0.42	< 0.001 *	0.88 ± 0.06
20.0	3	3.05 ± 1.20	< 0.001 *	0.20 ± 0.00
Trend p-Value		< 0.001 *		

Trial Summary: Positive

Experiment Number: A25833
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data
Test Compound: Cyclophosphamide monohydrate
CAS Number: 6055-19-2

Date Report Requested: 09/20/2018
Time Report Requested: 06:51:24

Tissue: Bone marrow; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		% PCE	
		Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	0.60 ± 0.48		51.70 ± 1.89	
2.5	5	4.60 ± 1.41	< 0.001 *	55.30 ± 2.97	
5.0	5	10.30 ± 1.15	< 0.001 *	40.90 ± 2.74	
10.0	5	31.10 ± 1.20	< 0.001 *	20.90 ± 3.60	
20.0	5	43.15 ± 2.01	< 0.001 *	4.10 ± 1.00	
Trend p-Value		< 0.001 *			

Trial Summary: Positive

Experiment Number: A25833

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Cyclophosphamide monohydrate

CAS Number: 6055-19-2

Date Report Requested: 09/20/2018

Time Report Requested: 06:51:24

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 ****