

Experiment Number: F25833

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: 09/21/2018

Time Report Requested: 15:34:47

NTP Study Number:

F25833

Study Duration:

4 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Positive

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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		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.350 ± 0.082		5	0.044 ± 0.010		2.010 ± 0.167	
2.5	5	0.950 ± 0.120	0.2878	5	0.037 ± 0.005	1.0000	1.586 ± 0.192	0.2732
5.0	5	1.814 ± 0.217	0.0080 *	5	0.029 ± 0.006	1.0000	0.879 ± 0.122	0.0012 *
10.0	5	2.310 ± 0.477	0.0034 *	5	0.020 ± 0.003	1.0000	0.341 ± 0.083	< 0.001 *
20.0	5	0.424 ± 0.180	1.0000	5	0.021 ± 0.003	1.0000	0.175 ± 0.023	< 0.001 *
Trend p-Value		0.0827			0.9982		< 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

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Phosphate Buffered Saline

**** END OF REPORT ****