

Experiment Number: F14314

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cefuroxime

CAS Number: 55268-75-2

Date Report Requested: 09/21/2018

Time Report Requested: 15:26:27

NTP Study Number:

F14314

Study Duration:

3 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

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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		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.275 ± 0.170		5	1.561 ± 0.045		1.497 ± 0.071	
500.0	5	2.225 ± 0.154	0.5339	5	1.527 ± 0.033	0.7300	1.155 ± 0.066	0.0037 *
1000.0	4	2.318 ± 0.368	0.5509	4	1.473 ± 0.033	0.8125	0.984 ± 0.061	< 0.001 *
2000.0	5	2.295 ± 0.172	0.5709	5	1.621 ± 0.055	0.2174	1.109 ± 0.054	< 0.001 *
Trend p-Value		0.4384			0.1538		0.0175 *	
Positive Control ²	4	21.348 ± 1.676	0.0070 *	4	1.751 ± 0.053	0.0146 *	0.180 ± 0.014	< 0.001 *

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

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: Corn Oil

2: 50.0 mg/kg Cyclophosphamide

**** END OF REPORT ****