

Experiment Number: 983684
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cytembena
CAS Number: 21739-91-3

Date Report Requested: 09/19/2018
Time Report Requested: 21:55:45

NTP Study Number:	983684
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
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

		MN PCE/1000	% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	4.70 ± 0.56		3.76 ± 0.44
12.5	5	3.70 ± 1.35	0.7471	3.78 ± 0.29
25.0	5	4.60 ± 1.24	0.5252	3.04 ± 0.51
50.0	3	3.50 ± 0.76	0.7541	2.60 ± 0.15
Trend p-Value		0.6910		
Positive Control ²	5	8.90 ± 1.29	< 0.001 *	3.24 ± 0.28
Trial Summary: 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	2.30 ± 0.25		55.90 ± 2.15
12.5	5	1.40 ± 0.53	0.8693	57.70 ± 2.83
25.0	5	1.70 ± 0.77	0.7643	52.70 ± 2.64
50.0	5	2.30 ± 0.51	0.5000	55.00 ± 2.14
Trend p-Value		0.3790		
Positive Control ²	5	3.80 ± 0.41	0.0272 *	60.60 ± 5.61
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: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

**** END OF REPORT ****