

Experiment Number: A32817

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Blue-green algae

CAS Number: ALGAEBLUEGRE

Date Report Requested: 09/20/2018

Time Report Requested: 09:50:23

NTP Study Number:

A32817

Study Duration:

24 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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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	0.30 ± 0.20		54.50 ± 2.26
625.0	5	0.80 ± 0.25	0.0658	48.60 ± 1.30
1250.0	5	0.40 ± 0.19	0.3527	50.70 ± 1.40
2500.0	5	0.50 ± 0.16	0.2397	50.20 ± 2.42
Trend p-Value		0.4400		
Positive Control ²	5	19.70 ± 1.58	< 0.001 *	47.10 ± 2.77

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.90 ± 0.29		55.20 ± 3.51
500.0	5	1.00 ± 0.42	0.4092	65.40 ± 1.90
1000.0	5	0.80 ± 0.46	0.5959	59.90 ± 3.23
2000.0	5	0.80 ± 0.25	0.5959	58.10 ± 3.87
Trend p-Value		0.6450		
Positive Control ²	5	21.00 ± 1.08	< 0.001 *	49.70 ± 2.11

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: Corn Oil

2: 20.0 mg/kg Cyclophosphamide

**** END OF REPORT ****