

Experiment Number: A40953
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: C.I. Disperse Blue 1
CAS Number: 2475-45-8

Date Report Requested: 09/20/2018

Time Report Requested: 13:03:56

NTP Study Number:	A40953
Study Duration:	72 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		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.49		5	0.00 ± 0.00		43.82 ± 1.03
75.0	5	0.90 ± 0.37	0.7438	5	0.00 ± 0.00	0.5000	42.00 ± 2.18
150.0	5	1.20 ± 0.41	0.5000	4	0.00 ± 0.00	0.5000	40.55 ± 2.62
300.0	5	1.00 ± 0.27	0.6652	1	0.00 ± 0.00	< 0.001 *	46.60 ± 0.00
600.0	5	1.40 ± 0.43	0.3473	5	0.00 ± 0.00	0.5000	42.96 ± 1.48
Trend p-Value		0.2560					
Positive Control ²	5	16.00 ± 1.44	< 0.001 *	5	0.00 ± 0.00	0.5000	41.66 ± 2.28

Trial Summary: Negative

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Dose (mg/kg)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	4	0.75 ± 0.25		3	0.00 ± 0.00		43.43 ± 3.38
75.0	5	0.50 ± 0.16	0.7500	4	0.00 ± 0.00	0.5000	46.73 ± 1.03
150.0	5	0.40 ± 0.19	0.8390	2	0.00 ± 0.00	0.5000	46.55 ± 1.15
300.0	5	1.20 ± 0.60	0.1713	2	0.00 ± 0.00	0.5000	49.15 ± 0.35
600.0	5	0.50 ± 0.22	0.7500	3	0.00 ± 0.00	0.5000	43.97 ± 2.09
Trend p-Value		0.4750					
Positive Control ²	5	11.00 ± 1.92	< 0.001 *	5	0.00 ± 0.00	0.5000	47.24 ± 2.27
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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****