

Experiment Number: A31837

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **C.I. Direct Black 80**

CAS Number: **8003-69-8**

Date Report Requested: **09/20/2018**

Time Report Requested: **09:26:34**

**NTP Study Number:**

A31837

**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

MN PCE/1000				MN NCE/1000			% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.10 ± 0.43		2	0.00 ± 0.00		37.00 ± 0.70
39.062	5	0.50 ± 0.16	0.9333				56.82 ± 2.32
78.125	5	0.90 ± 0.29	0.6727	1	0.00 ± 0.00	< 0.001 *	47.50 ± 0.00
156.25	5	1.30 ± 0.25	0.3415				54.12 ± 1.29
312.5	5	0.50 ± 0.22	0.9333	1	0.00 ± 0.00	< 0.001 *	48.50 ± 0.00
625.0	5	1.20 ± 0.37	0.4174				56.68 ± 2.19
1250.0	5	1.50 ± 0.32	0.2162	1	0.00 ± 0.00	< 0.001 *	49.50 ± 0.00
2500.0	5	0.80 ± 0.30	0.7545	1	0.00 ± 0.00	< 0.001 *	37.90 ± 0.00
Trend p-Value		0.3700					
Positive Control <sup>2</sup>	5	15.30 ± 1.07	< 0.001 *	5	0.00 ± 0.00	0.5000	26.98 ± 1.95
Trial Summary: Negative							

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**LEGEND**

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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: 50.0 mg/kg Cyclophosphamide

**\*\* END OF REPORT \*\***