

Experiment Number: **F68597**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Bixin**

CAS Number: **6983-79-5**

Date Report Requested: **09/21/2018**

Time Report Requested: **17:21:37**

**NTP Study Number:**

F68597

**Study Duration:**

2 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Negative

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**G04: In Vivo Micronucleus Summary Data**

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Route: Gavage

CAS Number: 6983-79-5

Species/Strain: Mouse/B6C3F1

Tissue: Blood; Sex: Male; Number of Treatments: 2; Time interval between final treatment and cell sampling: 48 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 <sup>1</sup>	5	2.830 ± 0.193		5	1.476 ± 0.021		1.588 ± 0.034	
500.0	5	2.400 ± 0.180	0.9455	5	1.421 ± 0.007	0.7395	1.641 ± 0.106	0.9295
1000.0	5	2.320 ± 0.098	0.9760	5	1.474 ± 0.028	0.6789	1.700 ± 0.102	1.0000
2000.0	5	2.330 ± 0.099	0.9836	5	1.459 ± 0.049	0.7146	1.489 ± 0.135	1.0000
Trend p-Value		0.9709			0.4912		0.8929	
Positive Control <sup>2</sup>	5	18.160 ± 0.871	0.0044 *	5	1.783 ± 0.039	< 0.001 *	0.815 ± 0.062	0.0090 *
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

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: 25.0 mg/kg Cyclophosphamide

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