

Experiment Number: F78856

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Cyclophosphamide

CAS Number: 50-18-0

Date Report Requested: 09/23/2018

Time Report Requested: 10:00:07

**NTP Study Number:**

F78856

**Study Duration:**

4 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Positive

Experiment Number: F78856

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Cyclophosphamide

CAS Number: 50-18-0

Date Report Requested: 09/23/2018

Time Report Requested: 10:00:07

**Tissue: Blood; 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	p-Value
Vehicle Control <sup>1</sup>	5	2.910 ± 0.180		5	1.647 ± 0.040		2.185 ± 0.147	
25.0	5	16.650 ± 0.534	< 0.001 *	5	1.919 ± 0.046	< 0.001 *	0.774 ± 0.064	< 0.001 *
50.0	5	26.860 ± 0.822	< 0.001 *	5	1.970 ± 0.045	< 0.001 *	0.253 ± 0.020	< 0.001 *
75.0	0			0				
100.0	0			0				
Trend p-Value		< 0.001 *			< 0.001 *		< 0.001 *	

Trial Summary: Positive

Experiment Number: F78856

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Cyclophosphamide

CAS Number: 50-18-0

Date Report Requested: 09/23/2018

Time Report Requested: 10:00:07

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

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: Phosphate Buffered Saline

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