

Experiment Number: **G10351**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Wistar Han**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Transgenic model evaluation (Cyclophosphamide monohydrate)**

CAS Number: **6055-19-2**

Date Report Requested: **09/23/2018**

Time Report Requested: **14:32:47**

**NTP Study Number:**

G10351

**Study Duration:**

4 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Positive

Experiment Number: G10351

**G04: In Vivo Micronucleus Summary Data**

Date Report Requested: 09/23/2018

Test Type: Genetic Toxicology - Micronucleus

Test Compound: Transgenic model evaluation (Cyclophosphamide monohydrate)

Time Report Requested: 14:32:47

Route: Gavage

CAS Number: 6055-19-2

Species/Strain: Rat/Wistar Han

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**Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 28 h**

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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	1.090 ± 0.147		5	0.085 ± 0.013		3.142 ± 0.223	
2.5	5	2.300 ± 0.481	0.1499	5	0.112 ± 0.017	0.2577	2.472 ± 0.164	0.1134
5.0	5	5.080 ± 0.877	0.0014 *	5	0.087 ± 0.018	0.3098	1.888 ± 0.253	0.0015 *
10.0	5	10.420 ± 1.237	< 0.001 *	5	0.123 ± 0.016	0.0720	1.520 ± 0.054	< 0.001 *
Trend p-Value		< 0.001 *			0.0941		< 0.001 *	

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Trial Summary: Positive

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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: Saline

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