

Experiment Number: A93640

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Trimethoprim/sulfamethoxazole (commercial)

CAS Number: 8064-90-2

Date Report Requested: 09/21/2018

Time Report Requested: 11:38:44

**NTP Study Number:**

A93640

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Positive

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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)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	5	0.50 ± 0.22		4	0.00 ± 0.00		38.98 ± 4.12
156.25	5	1.20 ± 0.51	0.1030	4	0.00 ± 0.00	0.5000	42.00 ± 1.22
312.5	5	1.30 ± 0.41	0.0801	4	0.00 ± 0.00	0.5000	47.23 ± 1.18
625.0	5	2.80 ± 0.78	0.0014 *	5	0.00 ± 0.00	0.5000	42.48 ± 2.46
1250.0	5	3.50 ± 0.74	< 0.001 *	5	0.00 ± 0.00	0.5000	43.48 ± 2.25
2500.0	5	2.80 ± 0.85	0.0014 *	3	0.00 ± 0.00	0.5000	42.30 ± 2.22
Trend p-Value		0.0010 *					
Positive Control <sup>2</sup>	5	23.70 ± 1.63	< 0.001 *	5	0.00 ± 0.00	0.5000	27.84 ± 1.98

Trial Summary: Positive

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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 <sup>1</sup>	5	1.10 ± 0.33		4	0.00 ± 0.00		41.90 ± 3.43
156.25	5	1.10 ± 0.43	0.5000	2	0.00 ± 0.00	0.5000	41.50 ± 3.90
312.5	5	1.60 ± 0.60	0.2336	3	0.00 ± 0.00	0.5000	48.37 ± 0.58
625.0	5	2.60 ± 0.70	0.0312	3	0.00 ± 0.00	0.5000	45.40 ± 0.60
1250.0	5	3.10 ± 0.70	0.0098	2	0.00 ± 0.00	0.5000	40.90 ± 5.60
2500.0	5	3.70 ± 0.89	0.0023 *	3	0.00 ± 0.00	0.5000	48.60 ± 0.61
Trend p-Value		< 0.001 *					
Positive Control <sup>2</sup>	5	19.50 ± 1.12	< 0.001 *	5	0.00 ± 0.00	0.5000	19.42 ± 2.32

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

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: 50.0 mg/kg Cyclophosphamide

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