

Experiment Number: 949294

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Ribavirin

CAS Number: 36791-04-5

Date Report Requested: 09/19/2018

Time Report Requested: 21:36:03

**NTP Study Number:**

949294

**Study Duration:**

96 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 48 h

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	2.10 ± 0.53		2.66 ± 0.27
1000.0	5	4.40 ± 0.56	0.0021 *	1.22 ± 0.11
1500.0	4	4.38 ± 0.47	0.0032 *	0.70 ± 0.07
Trend p-Value		0.0020 *		

Trial Summary: 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)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	0.90 ± 0.29		57.30 ± 6.13
500.0	5	6.70 ± 0.37	< 0.001 *	50.20 ± 2.03
1000.0	5	7.40 ± 1.72	< 0.001 *	43.80 ± 2.69
2000.0	5	5.50 ± 1.39	< 0.001 *	31.60 ± 1.50
Trend p-Value		0.0070 *		
Positive Control <sup>2</sup>	5	4.60 ± 1.91	< 0.001 *	60.80 ± 2.84

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: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

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