

Experiment Number: **G01090**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

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

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Resveratrol**

CAS Number: **501-36-0**

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

Time Report Requested: **10:48:11**

**NTP Study Number:**

G01090

**Study Duration:**

13 Weeks

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Negative

**Female Study Result:**

Negative

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Test Compound: **Resveratrol**  
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**Tissue: Blood; Sex: Male; Number of Treatments: 65; 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	0.890 ± 0.108		5	0.138 ± 0.018		0.937 ± 0.129	
78.0	5	0.760 ± 0.144	1.0000	5	0.106 ± 0.022	1.0000	0.982 ± 0.062	0.6164
156.0	5	1.610 ± 0.360	0.5030	5	0.281 ± 0.053	0.5549	1.506 ± 0.115	0.1150
312.5	5	0.820 ± 0.041	1.0000	5	0.173 ± 0.073	1.0000	1.134 ± 0.118	0.1221
625.0	5	0.795 ± 0.104	1.0000	5	0.082 ± 0.011	1.0000	0.997 ± 0.142	0.1252
1250.0	5	0.720 ± 0.075	1.0000	5	0.134 ± 0.039	1.0000	1.126 ± 0.085	0.1251
Trend p-Value		0.8777			0.9072		0.8717	

Trial Summary: **Negative**

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Date Report Requested: **09/23/2018**  
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**Tissue: Blood; Sex: Female; Number of Treatments: 65; 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	0.708 ± 0.092		5	0.073 ± 0.007		0.814 ± 0.024	
78.0	5	0.680 ± 0.150	0.5314	5	0.063 ± 0.008	1.0000	0.867 ± 0.095	0.7609
156.0	5	0.750 ± 0.175	0.5946	5	0.074 ± 0.010	1.0000	1.027 ± 0.126	0.2842
312.5	5	0.780 ± 0.102	0.6288	5	0.081 ± 0.015	1.0000	0.971 ± 0.088	0.3053
625.0	5	0.670 ± 0.115	0.6489	5	0.077 ± 0.010	1.0000	0.936 ± 0.063	0.3141
1250.0	5	0.610 ± 0.151	0.6614	5	0.091 ± 0.018	1.0000	1.198 ± 0.132	0.0177 *
Trend p-Value		0.7703			0.1683		0.0157 *	

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: Methanol

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