

Experiment Number: 882515

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: 1,4-Dioxane

CAS Number: 123-91-1

Date Report Requested: 09/16/2018

Time Report Requested: 19:41:01

**NTP Study Number:**

882515

**Study Result:**

Negative

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Strain: TA100		
Dose (ug/Plate)	With 10% Mouse S9	With 10% Mouse S9
Vehicle Control <sup>1</sup>	104 ± 3.4	107 ± 1.2
100.0	97 ± 8.6	111 ± 6.7
333.0	86 ± 8.1	117 ± 3.0
1000.0	92 ± 4.9	114 ± 0.5
3333.0	96 ± 6.3	120 ± 2.3
10000.0	92 ± 11.6 <sup>s</sup>	119 ± 4.1 <sup>s</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	384 ± 4.3	675 ± 45.1

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Strain: TA1535

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Dose (ug/Plate)	With 10% Mouse S9	With 10% Mouse S9
Vehicle Control <sup>1</sup>	11 ± 2.3	7 ± 2.5
100.0	12 ± 2.4	8 ± 1.3
333.0	11 ± 1.7	11 ± 2.5
1000.0	6 ± 0.9	12 ± 1.0
3333.0	8 ± 1.9	9 ± 1.2
10000.0	8 ± 0.5 <sup>s</sup>	11 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	38 ± 0.6	33 ± 4.1

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Strain: TA97

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Dose (ug/Plate)	With 10% Mouse S9	With 10% Mouse S9
Vehicle Control <sup>1</sup>	108 ± 3.6	100 ± 2.9
100.0	100 ± 14.5	107 ± 2.5
333.0	85 ± 5.8	101 ± 2.4
1000.0	80 ± 3.0	101 ± 6.2
3333.0	103 ± 11.7	104 ± 11.8
10000.0	109 ± 4.9 <sup>s</sup>	96 ± 6.1 <sup>s</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	184 ± 10.1	368 ± 8.1

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Strain: TA98

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Dose (ug/Plate)	With 10% Mouse S9	With 10% Mouse S9
Vehicle Control <sup>1</sup>	14 ± 1.9	25 ± 2.7
100.0	20 ± 2.1	27 ± 4.7
333.0	19 ± 3.1	26 ± 3.0
1000.0	13 ± 2.7	21 ± 0.7
3333.0	16 ± 1.2	18 ± 1.3
10000.0	15 ± 2.0 <sup>s</sup>	26 ± 3.7 <sup>s</sup>
Trial Summary	Negative	Negative
Positive Control <sup>2</sup>	225 ± 30.7	554 ± 8.7

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### **LEGEND**

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Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Water

2: 1.0 ug/Plate 2-Aminoanthracene

s: Slight Toxicity

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