

Experiment Number: **G1104A**

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

**G06: Ames Summary Data**

Test Compound: **2-Nitro-1-propanol**

CAS Number: **2902-96-7**

Date Report Requested: **09/16/2018**

Time Report Requested: **03:18:47**

**NTP Study Number:**

G1104A

**Study Result:**

Negative

Experiment Number: G1104A  
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**Strain: TA100**

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Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	122 ± 14.4	96 ± 3.7	122 ± 13.7	101 ± 13.7
25.0	117 ± 8.3			
50.0	118 ± 8.1	98 ± 2.0	132 ± 8.8	
125.0	145 ± 4.4	95 ± 2.6	132 ± 14.4	110 ± 7.0
250.0	137 ± 3.4	67 ± 8.0	157 ± 4.3	102 ± 3.5
500.0	175 ± 5.2	17 ± 7.4 <sup>s</sup>	148 ± 10.5	113 ± 3.9
1000.0		Toxic		
1500.0	Toxic	Toxic	137 ± 22.5	108 ± 8.6
3000.0			123 ± 2.4	141 ± 18.1
6000.0				Toxic
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control <sup>2</sup>	519 ± 8.0	534 ± 11.8		
Positive Control <sup>3</sup>			579 ± 15.0	531 ± 7.2

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	13 ± 2.8	20 ± 1.9	22 ± 2.1	23 ± 2.6
25.0	15 ± 2.3			
50.0	22 ± 1.7	17 ± 3.8	22 ± 4.8	
125.0	24 ± 2.1	19 ± 2.7	25 ± 2.7	24 ± 3.2
250.0	18 ± 3.6	20 ± 0.3	18 ± 2.9	29 ± 0.3
500.0	19 ± 2.9	23 ± 4.6	18 ± 3.1	26 ± 2.0
1000.0		Toxic		
1500.0	Toxic	Toxic	20 ± 2.9	20 ± 3.1
3000.0			12 ± 2.3	13 ± 0.0
6000.0				Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1053 ± 84.7	81 ± 9.9
Positive Control <sup>5</sup>	481 ± 57.3	266 ± 4.9		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	231 ± 15.5	148 ± 6.2	201 ± 8.5	162 ± 4.9
25.0	215 ± 8.5			
50.0	226 ± 14.7	154 ± 9.4	230 ± 21.8	
125.0	243 ± 11.9	149 ± 3.2	221 ± 15.9	166 ± 5.8
250.0	231 ± 12.2	143 ± 39.0	246 ± 10.5	171 ± 7.9
500.0	277 ± 19.4	187 ± 6.0	260 ± 8.6	178 ± 7.9
1000.0		Toxic		
1500.0	Toxic	Toxic	254 ± 20.5	176 ± 5.5
3000.0			240 ± 5.8	208 ± 17.6
6000.0				Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>	1616 ± 52.5	1332 ± 49.1		
Positive Control <sup>7</sup>			1118 ± 79.5	1257 ± 10.3

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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: Distilled Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.0 ug/Plate Other Positive Control
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 0.25 ug/Plate Other Positive Control
- 7: 20.0 ug/Plate 2-Aminoanthracene
- s: Slight Toxicity

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