

Experiment Number: 290153

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

**G06: Ames Summary Data**

Test Compound: **3-Nitropropionic acid**

CAS Number: **504-88-1**

Date Report Requested: **09/11/2018**

Time Report Requested: **20:49:57**

**NTP Study Number:**

290153

**Study Result:**

Positive

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## G06: Ames Summary Data

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	130 ± 7.1	94 ± 4.6	144 ± 1.9	145 ± 3.5	149 ± 7.1
100.0	142 ± 19.4	102 ± 7.8	170 ± 5.9	159 ± 6.7	162 ± 2.1
333.0	146 ± 0.6	127 ± 2.6	197 ± 5.0	175 ± 7.0	166 ± 7.8
1000.0	211 ± 4.1	185 ± 5.8	245 ± 3.2	220 ± 5.6	223 ± 2.3
3333.0	298 ± 11.6	368 ± 19.3	383 ± 10.8 <sup>s</sup>	289 ± 28.0	381 ± 12.3
10000.0	250 ± 28.8 <sup>s</sup>	306 ± 18.5 <sup>s</sup>	199 ± 40.1 <sup>s</sup>	168 ± 4.2 <sup>s</sup>	303 ± 26.4 <sup>s</sup>
Trial Summary	Weakly Positive	Positive	Positive	Weakly Positive	Positive
Positive Control <sup>2</sup>	281 ± 0.9	224 ± 5.3			
Positive Control <sup>3</sup>				352 ± 20.7	387 ± 29.8
Positive Control <sup>4</sup>			318 ± 19.7		

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	144 ± 7.2
100.0	161 ± 1.5
333.0	197 ± 17.4
1000.0	240 ± 16.3
3333.0	454 ± 9.7
10000.0	587 ± 90.0 <sup>s</sup>
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	261 ± 4.8

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 2.5	30 ± 1.2	28 ± 5.8	28 ± 5.4
100.0	18 ± 0.3	24 ± 0.3	25 ± 2.3	18 ± 2.7
333.0	22 ± 0.5	27 ± 0.6	24 ± 1.0	28 ± 6.4
1000.0	30 ± 3.2	34 ± 1.5	25 ± 0.9	25 ± 3.3
3333.0	45 ± 3.8 <sup>s</sup>	55 ± 6.7 <sup>s</sup>	24 ± 1.5 <sup>s</sup>	33 ± 4.3 <sup>s</sup>
10000.0	62 ± 5.0 <sup>s</sup>	Toxic	28 ± 6.6 <sup>s</sup>	37 ± 2.8 <sup>s</sup>
Trial Summary	Positive	Negative	Negative	Negative
Positive Control <sup>5</sup>				74 ± 0.3
Positive Control <sup>6</sup>	181 ± 14.0	119 ± 1.9		
Positive Control <sup>3</sup>			86 ± 2.0	

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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