

Experiment Number: 578274

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 4-Methyl-3-nitrobenzoic acid

CAS Number: 96-98-0

Date Report Requested: 09/14/2018

Time Report Requested: 11:15:32

**NTP Study Number:**

578274

**Study Result:**

Positive

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Test Compound: 4-Methyl-3-nitrobenzoic acid

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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>	99 ± 2.1	81 ± 1.3	110 ± 5.2	82 ± 0.6	96 ± 8.5
3.3	96 ± 9.4	96 ± 3.3	144 ± 3.3	95 ± 1.5	147 ± 11.2
10.0	159 ± 6.0	123 ± 10.3	192 ± 10.4	129 ± 4.8	200 ± 8.7
33.0	284 ± 3.8	230 ± 12.4	369 ± 10.5	267 ± 11.2	413 ± 22.8
100.0	496 ± 7.3	530 ± 5.4	870 ± 3.9	456 ± 58.2	825 ± 40.9
333.0	1388 ± 50.8	865 ± 87.8	1814 ± 113.7	1357 ± 40.7	1506 ± 90.7
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	265 ± 8.5	381 ± 5.4			
Positive Control <sup>3</sup>					396 ± 27.4
Positive Control <sup>4</sup>			310 ± 6.0	350 ± 9.0	

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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>	88 ± 5.0
3.3	81 ± 0.0
10.0	141 ± 10.9
33.0	269 ± 20.5
100.0	573 ± 37.8
333.0	1071 ± 23.2
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	335 ± 1.5
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.3	14 ± 2.0	18 ± 2.0	25 ± 2.0	22 ± 3.5
3.3	14 ± 1.2	20 ± 2.0	21 ± 2.4	23 ± 0.7	19 ± 1.5
10.0	18 ± 1.7	17 ± 1.7	20 ± 2.0	26 ± 2.6	20 ± 2.3
33.0	21 ± 2.0	30 ± 2.1	38 ± 2.6	30 ± 2.1	36 ± 5.2
100.0	36 ± 2.1	31 ± 2.7	57 ± 2.5	45 ± 3.0	63 ± 4.1
333.0	72 ± 7.6	71 ± 8.1	109 ± 8.4	80 ± 6.2	97 ± 10.3
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>5</sup>					95 ± 7.5
Positive Control <sup>3</sup>			92 ± 3.5	71 ± 3.7	
Positive Control <sup>6</sup>	176 ± 4.5	154 ± 3.4			

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	28 ± 4.4
3.3	38 ± 5.3
10.0	43 ± 4.2
33.0	73 ± 4.9
100.0	106 ± 16.9
333.0	116 ± 7.1
Trial Summary	Positive
Positive Control <sup>5</sup>	118 ± 14.0
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	

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**G06: Ames Summary Data**

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Date Report Requested: **09/14/2018**

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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: Dimethyl Sulfoxide

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

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