

Experiment Number: 743141

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

**G06: Ames Summary Data**

Test Compound: **o-Nitrophenol**

CAS Number: **88-75-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **06:17:01**

**NTP Study Number:**

743141

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: o-Nitrophenol

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	145 ± 2.7	155 ± 11.5	142 ± 11.9	126 ± 13.2	139 ± 1.9
3.3	147 ± 3.5	146 ± 4.3	154 ± 11.3	128 ± 6.5	150 ± 5.1
10.0	148 ± 5.0	136 ± 1.9	140 ± 10.1	144 ± 5.5	149 ± 2.1
33.0	141 ± 1.3	138 ± 5.3	157 ± 9.9	117 ± 10.5	155 ± 8.1
100.0	130 ± 8.1	128 ± 4.9	152 ± 6.5	134 ± 8.9	142 ± 12.9
333.0	73 ± 2.4	35 ± 3.2	123 ± 11.7	102 ± 4.5	56 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1043 ± 23.1
Positive Control <sup>3</sup>			967 ± 7.8	1012 ± 72.3	
Positive Control <sup>4</sup>	1043 ± 23.1	1301 ± 13.7			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	113 ± 9.5
3.3	122 ± 4.4
10.0	123 ± 9.3
33.0	111 ± 4.8
100.0	124 ± 9.4
333.0	31 ± 2.7
Trial Summary	Negative
Positive Control <sup>2</sup>	1103 ± 37.3
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	33 ± 4.6	17 ± 1.5	15 ± 1.5	11 ± 2.9	12 ± 1.5
3.3	28 ± 5.7	16 ± 1.0	12 ± 0.7	13 ± 2.0	9 ± 0.9
10.0	25 ± 2.5	19 ± 2.6	12 ± 1.5	14 ± 0.9	13 ± 2.0
33.0	32 ± 3.9	16 ± 2.5	13 ± 2.0	11 ± 2.1	10 ± 1.5
100.0	18 ± 4.7	11 ± 2.0	10 ± 1.5	10 ± 2.3	12 ± 2.7
333.0	1 ± 0.3	1 ± 0.6	3 ± 1.9	3 ± 0.9	1 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					84 ± 5.4
Positive Control <sup>3</sup>			64 ± 4.5	69 ± 3.8	
Positive Control <sup>4</sup>	908 ± 27.4	1044 ± 28.3			

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	15 ± 3.3
3.3	14 ± 2.0
10.0	14 ± 3.3
33.0	10 ± 0.9
100.0	11 ± 1.0
333.0	0 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	122 ± 9.8
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## G06: Ames Summary Data

Test Compound: o-Nitrophenol

CAS Number: 88-75-5

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 0.9	5 ± 1.0	11 ± 1.5	7 ± 1.7	11 ± 1.5
3.3	10 ± 1.8	6 ± 2.0	12 ± 2.1	9 ± 2.3	11 ± 2.5
10.0	9 ± 2.1	7 ± 0.9	11 ± 2.0	7 ± 1.2	16 ± 2.9
33.0	9 ± 3.1	5 ± 0.3	11 ± 1.2	5 ± 1.2	8 ± 1.2
100.0	6 ± 2.3	5 ± 1.8	10 ± 2.7	4 ± 0.9	9 ± 1.2
333.0	3 ± 0.9	1 ± 0.3	6 ± 0.6	3 ± 0.9	4 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					93 ± 5.2
Positive Control <sup>3</sup>			76 ± 6.8	72 ± 4.2	
Positive Control <sup>5</sup>	375 ± 29.6	195 ± 83.3			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 2.3
3.3	8 ± 2.3
10.0	6 ± 0.7
33.0	7 ± 2.2
100.0	3 ± 0.9
333.0	1 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	92 ± 19.4
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 1.2	18 ± 2.0	34 ± 6.1	27 ± 1.5	28 ± 3.2
3.3	17 ± 2.2	16 ± 2.1	27 ± 3.6	27 ± 2.0	28 ± 4.2
10.0	17 ± 2.3	17 ± 2.6	34 ± 3.2	22 ± 3.1	33 ± 3.8
33.0	13 ± 3.2	14 ± 1.0	32 ± 1.0	22 ± 2.9	32 ± 2.1
100.0	16 ± 2.0	15 ± 0.6	29 ± 5.8	24 ± 2.2	31 ± 6.6
333.0	10 ± 0.7	9 ± 2.3	19 ± 0.6	18 ± 1.2	9 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1155 ± 28.1
Positive Control <sup>3</sup>			788 ± 30.2	871 ± 14.2	
Positive Control <sup>6</sup>	1183 ± 62.4	1242 ± 11.8			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	32 ± 0.3
3.3	29 ± 3.2
10.0	28 ± 1.2
33.0	28 ± 2.4
100.0	27 ± 3.3
333.0	8 ± 0.6
Trial Summary	Negative
Positive Control <sup>2</sup>	1105 ± 18.2
Positive Control <sup>3</sup>	
Positive Control <sup>6</sup>	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

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