

Experiment Number: 426800

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: o-Nitrophenethyl alcohol

CAS Number: 15121-84-3

Date Report Requested: 09/15/2018

Time Report Requested: 06:19:10

**NTP Study Number:**

426800

**Study Result:**

Negative

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	77 ± 4.9	78 ± 2.6	120 ± 4.9	123 ± 2.2	116 ± 7.3
100.0	83 ± 7.5	69 ± 2.1	113 ± 9.4	108 ± 3.1	119 ± 11.3
333.0	81 ± 6.4	65 ± 0.7	131 ± 4.5	125 ± 5.9	129 ± 11.1
1000.0	89 ± 7.9	68 ± 6.1	127 ± 4.4	117 ± 5.2	126 ± 14.4
3333.0	64 ± 3.8	74 ± 2.6	143 ± 5.0	105 ± 3.5	112 ± 14.2
10000.0	62 ± 6.7	72 ± 0.6	113 ± 4.0	101 ± 7.5	99 ± 19.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			405 ± 91.7	429 ± 48.5	910 ± 10.3
Positive Control <sup>3</sup>	665 ± 51.1	485 ± 49.6			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	104 ± 8.7
100.0	115 ± 9.3
333.0	140 ± 4.8
1000.0	143 ± 5.5
3333.0	151 ± 11.8
10000.0	116 ± 9.9
Trial Summary	Equivocal
Positive Control <sup>2</sup>	1536 ± 119.1
Positive Control <sup>3</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>	10 ± 2.4	7 ± 2.2	12 ± 2.9	6 ± 1.5	9 ± 2.0
100.0	10 ± 2.8	7 ± 0.9	14 ± 1.3	7 ± 1.0	7 ± 2.1
333.0	12 ± 3.0	5 ± 1.2	17 ± 3.1	9 ± 2.5	17 ± 1.5
1000.0	13 ± 0.9	7 ± 0.9	17 ± 5.1	9 ± 1.5	12 ± 1.5
3333.0	12 ± 1.2	4 ± 0.0	11 ± 0.6	9 ± 2.6	13 ± 2.0
10000.0	7 ± 1.5	Toxic	11 ± 1.7	Toxic	8 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			48 ± 4.9	32 ± 5.1	59 ± 9.4
Positive Control <sup>3</sup>	376 ± 43.1	399 ± 18.9			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 2.3
100.0	10 ± 0.7
333.0	11 ± 1.5
1000.0	15 ± 1.2
3333.0	7 ± 2.0
10000.0	0 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	108 ± 2.7
Positive Control <sup>3</sup>	

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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>	6 ± 0.6	4 ± 0.3	6 ± 1.0	4 ± 0.3	6 ± 1.5
33.0		1 ± 0.3			
100.0	4 ± 1.5	2 ± 0.9	10 ± 1.0	7 ± 0.6	8 ± 1.5
333.0	5 ± 1.5	5 ± 0.7	8 ± 0.6	5 ± 2.6	6 ± 0.9
1000.0	4 ± 2.8	2 ± 0.3	9 ± 0.9	4 ± 0.9	6 ± 1.8
3333.0	5 ± 1.0	2 ± 1.0	11 ± 1.0	7 ± 0.9	8 ± 0.6
10000.0	Toxic		3 ± 0.9	5 ± 0.5	4 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			40 ± 2.7	28 ± 1.3	78 ± 8.3
Positive Control <sup>4</sup>	178 ± 25.0	313 ± 99.9			

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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>	8 ± 1.8
33.0	
100.0	6 ± 1.2
333.0	6 ± 1.2
1000.0	8 ± 1.7
3333.0	3 ± 1.2
10000.0	2 ± 1.2
Trial Summary	Negative
Positive Control <sup>2</sup>	129 ± 4.0
Positive Control <sup>4</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>	16 ± 3.8	14 ± 2.1	23 ± 3.4	14 ± 1.7	26 ± 2.5
33.0		13 ± 2.2			
100.0	19 ± 4.8	12 ± 2.0	16 ± 0.3	7 ± 0.3	28 ± 6.4
333.0	21 ± 3.3	11 ± 2.6	21 ± 4.4	16 ± 2.5	21 ± 2.1
1000.0	28 ± 7.5	14 ± 1.2	22 ± 2.0	17 ± 2.3	22 ± 2.8
3333.0	Toxic	12 ± 2.1	26 ± 3.2	14 ± 1.7	28 ± 3.7
10000.0	6 ± 6.0		29 ± 1.5	17 ± 2.3	31 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			251 ± 39.2	251 ± 18.5	700 ± 23.2
Positive Control <sup>5</sup>	278 ± 46.7	166 ± 13.9			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 2.3
33.0	
100.0	13 ± 3.5
333.0	17 ± 0.7
1000.0	12 ± 0.7
3333.0	13 ± 3.5
10000.0	18 ± 2.9
Trial Summary	Negative
Positive Control <sup>2</sup>	1109 ± 49.4
Positive Control <sup>5</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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

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