

Experiment Number: 122159

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

**G06: Ames Summary Data**

Test Compound: 2,4,5-T isooctyl ester

CAS Number: 25168-15-4

Date Report Requested: 09/12/2018

Time Report Requested: 02:08:57

**NTP Study Number:**

122159

**Study Result:**

Negative

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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>	84 ± 1.7	88 ± 12.6	124 ± 1.5	140 ± 7.8	162 ± 20.5
3.3		93 ± 4.9		156 ± 8.0	
10.0		114 ± 7.2		152 ± 14.0	
33.0	95 ± 8.1	90 ± 5.2	150 ± 10.1	166 ± 6.5	161 ± 8.7
100.0	98 ± 3.3	100 ± 1.3	143 ± 9.8	139 ± 11.1	158 ± 15.2
333.0	96 ± 1.0	102 ± 1.5	145 ± 2.7	135 ± 14.2	165 ± 4.8
1000.0	Toxic		Toxic		Toxic
3333.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1013 ± 234.6	714 ± 29.8	1220 ± 112.2
Positive Control <sup>3</sup>	678 ± 21.1	621 ± 46.4			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	154 ± 4.2
3.3	130 ± 10.4
10.0	134 ± 9.1
33.0	128 ± 10.7
100.0	122 ± 14.9
333.0	158 ± 7.0
1000.0	
3333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1093 ± 28.0
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>	7 ± 2.9	9 ± 1.2	8 ± 2.5	11 ± 2.5	12 ± 1.9
3.3		10 ± 2.0		13 ± 0.3	
10.0		13 ± 1.2		14 ± 1.5	
33.0	9 ± 1.5	11 ± 1.5	9 ± 1.5	15 ± 1.8	11 ± 2.3
100.0	8 ± 1.8	9 ± 1.2	10 ± 2.6	15 ± 1.2	11 ± 1.5
333.0	9 ± 1.5	11 ± 1.2	14 ± 0.9	15 ± 2.2	11 ± 2.0
1000.0	Toxic		Toxic		Toxic
3333.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			67 ± 7.0	92 ± 20.3	106 ± 19.5
Positive Control <sup>3</sup>	688 ± 33.8	686 ± 93.4			

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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>	10 ± 1.0
3.3	11 ± 1.9
10.0	11 ± 2.0
33.0	13 ± 3.2
100.0	10 ± 0.7
333.0	12 ± 2.0
1000.0	
3333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	120 ± 9.3
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>	5 ± 2.2	5 ± 0.3	5 ± 0.6	6 ± 1.0	8 ± 2.5
3.3		6 ± 0.3		12 ± 0.9	
10.0		5 ± 0.6		9 ± 2.2	
33.0	7 ± 1.7	5 ± 0.9	8 ± 2.5	9 ± 1.3	7 ± 0.9
100.0	6 ± 1.2	6 ± 0.9	11 ± 1.5	10 ± 2.1	6 ± 0.9
333.0	4 ± 0.6	5 ± 0.6	9 ± 1.7	10 ± 2.3	7 ± 1.7
1000.0	Toxic		Toxic		Toxic
3333.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			75 ± 15.2	44 ± 0.3	63 ± 4.8
Positive Control <sup>4</sup>	132 ± 25.2	137 ± 39.5			

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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>	11 ± 1.7
3.3	8 ± 1.9
10.0	11 ± 0.5
33.0	10 ± 0.3
100.0	10 ± 1.7
333.0	8 ± 1.5
1000.0	
3333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	90 ± 6.4
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>	17 ± 1.2	15 ± 1.2	24 ± 0.7	24 ± 1.2	19 ± 2.8
3.3		12 ± 1.5		21 ± 3.0	
10.0		13 ± 0.9		21 ± 2.9	
33.0	12 ± 0.9	16 ± 3.2	28 ± 1.5	23 ± 2.5	25 ± 3.3
100.0	11 ± 1.8	12 ± 1.7	25 ± 1.2	24 ± 1.0	21 ± 3.3
333.0	16 ± 3.7	13 ± 0.9	24 ± 0.6	23 ± 0.7	24 ± 2.4
1000.0	Toxic		Toxic		Toxic
3333.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			986 ± 74.0	572 ± 121.4	1172 ± 45.1
Positive Control <sup>5</sup>	389 ± 26.9	343 ± 32.6			



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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>	22 ± 1.5
3.3	23 ± 3.5
10.0	22 ± 3.5
33.0	21 ± 3.8
100.0	21 ± 1.5
333.0	22 ± 2.3
1000.0	
3333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	803 ± 107.0
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 \*\***