

Experiment Number: 526337

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

**G06: Ames Summary Data**

Test Compound: **Trimethylthiourea**

CAS Number: **2489-77-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **18:19:00**

**NTP Study Number:**

526337

**Study Result:**

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Trimethylthiourea

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Date Report Requested: 09/12/2018

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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>	114 ± 8.2	121 ± 9.4	111 ± 0.9	107 ± 5.0	113 ± 1.7
100.0	133 ± 8.2	84 ± 4.8	113 ± 2.6	88 ± 7.3	132 ± 9.0
333.0	130 ± 2.9	84 ± 5.6	111 ± 4.0	87 ± 3.8	113 ± 1.9
1000.0	136 ± 4.4	81 ± 5.9	120 ± 9.2	100 ± 7.3	113 ± 7.2
3333.0	134 ± 3.8	81 ± 2.9	133 ± 9.6	95 ± 3.0	126 ± 8.8
10000.0	123 ± 9.0	79 ± 8.9	131 ± 6.0	91 ± 10.5	109 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	452 ± 17.6	350 ± 15.1			
Positive Control <sup>3</sup>			523 ± 23.5	1661 ± 149.9	1601 ± 91.1

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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>	118 ± 10.5
100.0	106 ± 4.0
333.0	101 ± 10.7
1000.0	100 ± 1.5
3333.0	89 ± 5.0
10000.0	92 ± 4.4
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1345 ± 24.2

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**Strain: TA1535**

<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>	36 ± 2.6	30 ± 1.2	11 ± 1.7	13 ± 2.6	12 ± 3.8
100.0	34 ± 3.0	25 ± 3.2	11 ± 2.5	8 ± 0.7	17 ± 1.5
333.0	33 ± 3.5	30 ± 4.0	10 ± 2.9	6 ± 1.5	14 ± 3.2
1000.0	36 ± 3.7	24 ± 3.5	8 ± 1.9	7 ± 1.2	9 ± 2.3
3333.0	35 ± 2.3	28 ± 1.5	10 ± 1.2	8 ± 3.8	9 ± 2.7
10000.0	35 ± 2.0	22 ± 3.3	9 ± 3.2	8 ± 2.6	4 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	448 ± 1.0	452 ± 44.6			
Positive Control <sup>4</sup>			185 ± 3.8	657 ± 41.2	476 ± 26.5

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Time Report Requested: 18:19:00

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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>	13 ± 0.3
100.0	14 ± 1.2
333.0	7 ± 0.6
1000.0	10 ± 1.5
3333.0	13 ± 0.7
10000.0	10 ± 2.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	457 ± 27.3

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**Strain: TA1537**

<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>	9 ± 0.6	4 ± 1.5	9 ± 3.7	8 ± 2.2	8 ± 2.3
100.0	9 ± 2.1	5 ± 0.9	9 ± 2.3	5 ± 1.5	9 ± 1.8
333.0	6 ± 3.3	7 ± 1.3	11 ± 2.2	8 ± 2.9	11 ± 1.9
1000.0	7 ± 0.3	7 ± 0.9	10 ± 3.2	7 ± 1.3	10 ± 3.0
3333.0	4 ± 1.8	4 ± 0.3	10 ± 1.2	7 ± 1.2	11 ± 1.3
10000.0	5 ± 1.5	5 ± 2.2	5 ± 1.0	6 ± 0.0	9 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			149 ± 9.0	149 ± 8.5	316 ± 24.9
Positive Control <sup>5</sup>	137 ± 24.3	199 ± 19.2			

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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 ± 0.6
100.0	5 ± 0.3
333.0	9 ± 1.3
1000.0	7 ± 0.9
3333.0	9 ± 1.7
10000.0	7 ± 1.0
Trial Summary	Negative
Positive Control <sup>4</sup>	405 ± 31.8
Positive Control <sup>5</sup>	

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**Strain: TA98**

<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>	19 ± 2.4	20 ± 3.8	32 ± 1.9	32 ± 2.3	29 ± 3.6
100.0	19 ± 1.2	13 ± 1.3	26 ± 4.4	23 ± 5.0	30 ± 2.4
333.0	13 ± 2.3	16 ± 0.3	26 ± 5.8	25 ± 0.6	27 ± 3.2
1000.0	17 ± 1.5	11 ± 3.2	25 ± 3.7	30 ± 3.2	27 ± 2.4
3333.0	22 ± 4.3	18 ± 0.6	26 ± 1.2	30 ± 4.4	28 ± 1.7
10000.0	19 ± 3.1	13 ± 2.0	33 ± 2.0	31 ± 3.2	26 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			391 ± 11.1	1380 ± 51.7	1573 ± 74.7
Positive Control <sup>6</sup>	738 ± 13.0	400 ± 8.0			



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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>	23 ± 3.7
100.0	30 ± 3.2
333.0	30 ± 5.2
1000.0	29 ± 1.2
3333.0	28 ± 2.3
10000.0	32 ± 3.0
Trial Summary	Negative
Positive Control <sup>3</sup>	1152 ± 4.9
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: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

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