

Experiment Number: 738148

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

**G06: Ames Summary Data**

Test Compound: **Oxethazaine**

CAS Number: **126-27-2**

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

Time Report Requested: **05:43:21**

**NTP Study Number:**

738148

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Oxethazaine

CAS Number: 126-27-2

Date Report Requested: 09/17/2018

Time Report Requested: 05:43:21

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	83 ± 4.9	114 ± 8.2	80 ± 2.3	126 ± 1.2	85 ± 5.3
0.1	81 ± 1.2	97 ± 3.8			
0.3	74 ± 0.9	101 ± 6.4			
1.0	95 ± 1.5	105 ± 1.7	84 ± 6.6	123 ± 6.1	88 ± 1.2
3.3	97 ± 7.9	99 ± 5.5	82 ± 2.8	119 ± 5.5	86 ± 4.3
6.7	98 ± 3.2	93 ± 3.2 <sup>s</sup>			
10.0			86 ± 3.2	134 ± 8.1	94 ± 7.0
33.0			80 ± 1.2	110 ± 1.7	87 ± 3.8
67.0			80 ± 3.7 <sup>s</sup>	119 ± 2.8	85 ± 3.4 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					934 ± 42.7
Positive Control <sup>3</sup>			1562 ± 78.3		
Positive Control <sup>4</sup>				960 ± 23.2	
Positive Control <sup>5</sup>	1022 ± 33.0	1084 ± 40.4			

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	108 ± 7.4
0.1	
0.3	
1.0	107 ± 3.0
3.3	105 ± 4.0
6.7	
10.0	99 ± 5.0
33.0	109 ± 7.8
67.0	110 ± 10.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	1409 ± 74.4
Positive Control <sup>5</sup>	

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Test Compound: Oxethazaine

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	28 ± 2.4	18 ± 2.2	28 ± 3.5	14 ± 2.2	21 ± 1.3
0.1	24 ± 3.5	16 ± 2.9			
0.3	24 ± 3.2	13 ± 0.7			
1.0	23 ± 2.0	19 ± 1.9	28 ± 2.9	16 ± 1.0	24 ± 3.2
3.3	21 ± 2.3	15 ± 2.9	22 ± 0.7	13 ± 0.7	31 ± 3.1
6.7	19 ± 3.1	8 ± 0.9 <sup>s</sup>			
10.0			28 ± 2.7	20 ± 1.9	22 ± 2.0
33.0			22 ± 2.3	20 ± 1.2	25 ± 1.8
67.0			14 ± 2.8 <sup>s</sup>	16 ± 1.3	15 ± 1.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					121 ± 7.8
Positive Control <sup>3</sup>			105 ± 12.9		
Positive Control <sup>4</sup>				102 ± 1.0	
Positive Control <sup>5</sup>	723 ± 3.8	966 ± 54.2			

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

**G06: Ames Summary Data**

Test Compound: **Oxethazaine**

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 0.9
0.1	
0.3	
1.0	19 ± 0.9
3.3	16 ± 0.3
6.7	
10.0	16 ± 2.0
33.0	18 ± 1.5
67.0	14 ± 3.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	148 ± 9.8
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Oxethazaine

CAS Number: 126-27-2

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	65 ± 1.2	85 ± 4.1	84 ± 4.5	164 ± 1.2	72 ± 2.2
0.1	71 ± 4.4	100 ± 7.5			
0.3	65 ± 2.9	109 ± 9.6			
1.0	64 ± 2.3	89 ± 10.6	78 ± 6.0	154 ± 6.6	71 ± 5.5
3.3	63 ± 2.1	93 ± 5.8	85 ± 5.6	147 ± 5.5	82 ± 3.2
6.7	44 ± 2.4 <sup>s</sup>	67 ± 3.6 <sup>s</sup>			
10.0			83 ± 3.2	149 ± 7.5	82 ± 4.7
33.0			48 ± 3.1 <sup>s</sup>	142 ± 9.2	55 ± 3.7
67.0			45 ± 4.6 <sup>s</sup>	115 ± 10.1 <sup>s</sup>	38 ± 6.4 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					947 ± 29.4
Positive Control <sup>3</sup>			713 ± 13.4		
Positive Control <sup>4</sup>				634 ± 21.3	
Positive Control <sup>6</sup>	1470 ± 12.5	958 ± 40.3			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	131 ± 11.3
0.1	
0.3	
1.0	134 ± 2.7
3.3	124 ± 1.7
6.7	
10.0	150 ± 9.0
33.0	139 ± 8.1
67.0	143 ± 10.5 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	785 ± 24.1
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Oxethazaine

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	20 ± 1.0	28 ± 2.3	30 ± 1.5	44 ± 1.5	28 ± 2.5
0.1	17 ± 1.2	33 ± 2.0			
0.3	18 ± 1.5	39 ± 2.8			
1.0	13 ± 2.5	26 ± 2.6	26 ± 2.0	42 ± 3.4	21 ± 2.4
3.3	16 ± 4.5	35 ± 2.4	31 ± 0.9	41 ± 2.4	24 ± 2.5
6.7	12 ± 2.7	31 ± 2.8			
10.0			24 ± 3.1	37 ± 2.0	24 ± 2.0
33.0			27 ± 0.3	40 ± 3.8	28 ± 0.9
67.0			18 ± 0.9	39 ± 1.2	23 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					898 ± 15.6
Positive Control <sup>3</sup>			1503 ± 31.8		
Positive Control <sup>4</sup>				624 ± 11.7	
Positive Control <sup>7</sup>	1333 ± 48.8	1903 ± 49.6			



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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>	38 ± 2.3
0.1	
0.3	
1.0	35 ± 2.4
3.3	35 ± 2.0
6.7	
10.0	37 ± 3.0
33.0	33 ± 2.0
67.0	33 ± 1.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	1155 ± 66.5
Positive Control <sup>7</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: 95% Ethanol

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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