

Experiment Number: 313695

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

G06: Ames Summary Data

Test Compound: **Thioacetamide**

CAS Number: 62-55-5

Date Report Requested: 09/12/2018

Time Report Requested: 04:15:44

NTP Study Number:

313695

Study Result:

Negative

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Test Compound: Thioacetamide

CAS Number: 62-55-5

Date Report Requested: 09/12/2018

Time Report Requested: 04:15:44

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	85 ± 1.0	140 ± 13.6	128 ± 17.8	102 ± 10.2	147 ± 1.9
10.0	88 ± 2.2	142 ± 8.7			
33.0	88 ± 7.7	130 ± 11.0			
100.0	89 ± 2.1	118 ± 3.6	131 ± 8.2	109 ± 6.8	146 ± 4.4
333.0	95 ± 7.4	148 ± 4.2	135 ± 14.1	94 ± 9.8	140 ± 4.3
1000.0	75 ± 11.3	142 ± 9.6	139 ± 15.0	88 ± 5.5	135 ± 4.1
3333.0	36 ± 12.2 ^s		109 ± 7.5	98 ± 15.4	146 ± 9.9
10000.0			100 ± 6.6	99 ± 3.8	121 ± 6.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					808 ± 12.1
Positive Control ³			508 ± 28.2		
Positive Control ⁴	352 ± 7.2	389 ± 3.8			
Positive Control ⁵				514 ± 45.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	103 ± 1.2
10.0	
33.0	
100.0	117 ± 11.7
333.0	103 ± 8.2
1000.0	123 ± 14.7
3333.0	107 ± 8.0
10000.0	106 ± 11.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	551 ± 11.5
Positive Control ⁴	
Positive Control ⁵	

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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 ¹	14 ± 1.8	21 ± 2.7	9 ± 2.3	10 ± 0.9	8 ± 1.5
100.0	14 ± 2.0	17 ± 0.9	8 ± 2.6	11 ± 1.5	8 ± 0.3
333.0	12 ± 3.1	17 ± 0.9	6 ± 0.7	12 ± 0.7	8 ± 2.1
1000.0	19 ± 2.6	15 ± 0.9	7 ± 0.3	14 ± 2.5	6 ± 2.7
3333.0	14 ± 2.0	14 ± 2.5	7 ± 1.5	17 ± 0.7	8 ± 3.2
10000.0	6 ± 0.3	11 ± 1.3	7 ± 1.0	19 ± 1.7	7 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					136 ± 5.5
Positive Control ⁴	349 ± 16.7	256 ± 16.1			
Positive Control ⁵			95 ± 2.8		
Positive Control ⁶				157 ± 10.3	

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Test Compound: Thioacetamide
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Date Report Requested: 09/12/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.5
100.0	15 ± 3.0
333.0	10 ± 1.7
1000.0	8 ± 3.2
3333.0	9 ± 0.6
10000.0	5 ± 1.2
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	254 ± 10.8
Positive Control ⁶	

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Test Compound: Thioacetamide
CAS Number: 62-55-5

Date Report Requested: 09/12/2018
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.3	8 ± 1.7	9 ± 1.0
100.0	7 ± 2.3	11 ± 1.2	10 ± 2.8
333.0	8 ± 1.7	9 ± 1.0	11 ± 1.2
1000.0	5 ± 0.6	11 ± 0.9	9 ± 2.3
3333.0	9 ± 1.9	7 ± 1.5	7 ± 2.0
10000.0	5 ± 0.7	4 ± 0.3	4 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ³			52 ± 2.2
Positive Control ⁵		50 ± 6.1	
Positive Control ⁷	941 ± 214.8		

Experiment Number: 313695

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Thioacetamide

CAS Number: 62-55-5

Date Report Requested: 09/12/2018

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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 ¹	169 ± 19.6	175 ± 12.1	176 ± 15.6	176 ± 3.2	176 ± 13.6
33.0	173 ± 17.6				
100.0	177 ± 8.1	168 ± 22.6	171 ± 8.6	116 ± 58.3	171 ± 14.9
333.0	159 ± 0.3	168 ± 15.9	175 ± 15.4	169 ± 7.8	163 ± 6.3
1000.0	156 ± 10.7	156 ± 7.1	171 ± 4.3	167 ± 3.6	161 ± 8.7
3333.0	140 ± 22.3	162 ± 12.7	179 ± 10.7	144 ± 7.8	160 ± 10.8
10000.0		176 ± 5.0	183 ± 11.3	162 ± 6.7	172 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					444 ± 11.0
Positive Control ³			350 ± 20.0		
Positive Control ⁵				301 ± 5.6	
Positive Control ⁷	442 ± 46.0	773 ± 30.8			

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G06: Ames Summary Data
Test Compound: Thioacetamide
CAS Number: 62-55-5

Date Report Requested: 09/12/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	207 ± 0.3
33.0	203 ± 9.2
100.0	201 ± 10.4
333.0	199 ± 15.0
1000.0	178 ± 11.7
3333.0	150 ± 19.5
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	325 ± 39.8
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: 313695

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Thioacetamide

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Date Report Requested: 09/12/2018

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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 ¹	17 ± 1.8	21 ± 4.4	32 ± 2.0	35 ± 3.9	28 ± 1.8
100.0	16 ± 2.0	16 ± 1.2	26 ± 2.3	29 ± 3.5	29 ± 1.7
333.0	25 ± 3.6	19 ± 4.0	24 ± 1.5	23 ± 2.6	24 ± 3.5
1000.0	16 ± 1.3	18 ± 0.9	21 ± 1.5	23 ± 2.2	31 ± 5.5
3333.0	17 ± 1.9	21 ± 2.6	18 ± 3.4	24 ± 3.2	30 ± 1.2
10000.0	14 ± 0.9	17 ± 2.3	23 ± 1.8	34 ± 2.3	27 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					600 ± 34.3
Positive Control ³			288 ± 12.3	128 ± 4.2	
Positive Control ⁸	688 ± 45.8	401 ± 16.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	33 ± 4.4
100.0	20 ± 0.3
333.0	24 ± 3.3
1000.0	17 ± 1.0
3333.0	27 ± 2.7
10000.0	27 ± 2.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	382 ± 12.2
Positive Control ⁸	

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LEGEND

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: Acetone

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****