

Experiment Number: **A41329**

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

G06: Ames Summary Data

Test Compound: **Thiophenol**

CAS Number: **108-98-5**

Date Report Requested: **09/16/2018**

Time Report Requested: **22:00:12**

NTP Study Number:

A41329

Study Result:

Negative

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Date Report Requested: 09/16/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	83 ± 3.7	153 ± 6.5	141 ± 18.3	100 ± 5.6	123 ± 11.4
3.3	98 ± 6.6	152 ± 18.2			
10.0	82 ± 5.5	151 ± 9.0	134 ± 11.0	79 ± 39.7	112 ± 11.2
33.0	99 ± 9.3	132 ± 6.7	161 ± 10.4	104 ± 8.4	133 ± 10.7
100.0	85 ± 7.3	133 ± 2.4	119 ± 14.0	92 ± 10.2	107 ± 10.4 ^s
333.0	79 ± 5.2 ^s	112 ± 1.5 ^s	115 ± 4.4	102 ± 11.3	108 ± 9.9 ^s
1000.0			91 ± 5.5 ^s	96 ± 10.3	21 ± 8.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					659 ± 29.4
Positive Control ³	362 ± 19.2	689 ± 42.2			
Positive Control ⁴			624 ± 6.3		
Positive Control ⁵					
Positive Control ⁶				644 ± 61.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	106 ± 4.4
3.3	
10.0	103 ± 5.5
33.0	117 ± 4.7
100.0	104 ± 7.0
333.0	75 ± 4.3
1000.0	69 ± 5.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	358 ± 51.8
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.9	11 ± 2.8	10 ± 1.2
3.3	8 ± 0.7		
10.0	10 ± 2.7	10 ± 1.7	12 ± 0.3
33.0	10 ± 3.0	11 ± 2.3	12 ± 0.9
100.0	7 ± 1.7	11 ± 2.3	5 ± 0.6
333.0	8 ± 3.7 ^s	7 ± 2.1 ^s	7 ± 2.3 ^s
1000.0		9 ± 2.8 ^s	3 ± 0.6 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			140 ± 15.2
Positive Control ³	353 ± 11.9		
Positive Control ⁶		218 ± 8.7	

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Test Compound: Thiophenol
CAS Number: 108-98-5

Date Report Requested: 09/16/2018
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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Hamster S9
Vehicle Control ¹	150 ± 12.7	155 ± 3.8
0.33		149 ± 2.7
1.0		151 ± 1.9
3.3	131 ± 14.2	145 ± 2.2
10.0	136 ± 6.2	136 ± 2.6
33.0	110 ± 15.8	134 ± 3.0
100.0	98 ± 3.9	
333.0	96 ± 9.0 ^s	
1000.0		
Trial Summary	Negative	Negative
Positive Control ⁴		439 ± 2.2
Positive Control ⁷	696 ± 30.3	

Experiment Number: A41329

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Thiophenol

CAS Number: 108-98-5

Date Report Requested: 09/16/2018

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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	25 ± 1.5	16 ± 1.5	16 ± 3.4	27 ± 3.8	21 ± 1.8
3.3	26 ± 1.9	13 ± 1.2			
10.0	23 ± 2.1	11 ± 1.9	16 ± 1.3	23 ± 3.2	20 ± 2.8
33.0	20 ± 3.3	15 ± 1.5	20 ± 1.3	26 ± 0.6	22 ± 2.7
100.0	18 ± 2.0	16 ± 1.7	14 ± 3.3	25 ± 4.0	14 ± 1.7
333.0	13 ± 2.5 ^s	15 ± 1.0	10 ± 2.6	25 ± 0.3	15 ± 1.5
1000.0			16 ± 2.2 ^s	11 ± 3.2 ^s	14 ± 4.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			167 ± 37.4		196 ± 6.2
Positive Control ⁵				356 ± 62.2	
Positive Control ⁸	105 ± 9.5	83 ± 9.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 3.4
3.3	
10.0	23 ± 4.0
33.0	24 ± 1.0
100.0	25 ± 0.6
333.0	18 ± 3.8
1000.0	7 ± 0.6 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ⁵	590 ± 59.5
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: Dimethyl Sulfoxide

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **