

Experiment Number: 759552

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

G06: Ames Summary Data

Test Compound: **Phenol**

CAS Number: **108-95-2**

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

Time Report Requested: **15:35:08**

NTP Study Number:

759552

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% Rat S9
Vehicle Control ¹	155 ± 9.4	121 ± 12.2	113 ± 9.5	130 ± 4.4	115 ± 5.2
10.0	155 ± 6.0				
33.0	160 ± 4.1	116 ± 5.2	126 ± 5.9	132 ± 16.0	116 ± 7.5
100.0	167 ± 5.2	109 ± 7.5	130 ± 5.5	124 ± 10.3	126 ± 4.7
333.0	158 ± 4.7	102 ± 4.6	127 ± 6.9	131 ± 7.6	117 ± 6.5
1000.0	148 ± 4.7	116 ± 6.6	120 ± 1.8	122 ± 7.2	117 ± 7.2
2000.0					121 ± 9.1
2500.0		85 ± 5.6 ^s			
3333.0			Toxic	Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			292 ± 7.3 ^s	1136 ± 43.2	687 ± 69.3
Positive Control ⁴	2695 ± 46.8	1101 ± 33.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	128 ± 5.0	124 ± 9.3
10.0		
33.0	116 ± 9.3	114 ± 4.7
100.0	125 ± 1.9	123 ± 3.3
333.0	136 ± 6.4	139 ± 5.5
1000.0	131 ± 15.6	124 ± 8.3
2000.0		112 ± 5.8
2500.0		
3333.0	79 ± 1.5 ^s	
Trial Summary	Negative	Negative
Positive Control ²	1926 ± 50.2	904 ± 40.7
Positive Control ³		
Positive Control ⁴		

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Test Compound: Phenol

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	44 ± 0.9	28 ± 3.8	7 ± 1.5	10 ± 1.2	14 ± 0.9
10.0	44 ± 5.0				
33.0	43 ± 4.7	33 ± 4.8	10 ± 2.0	11 ± 2.8	14 ± 1.7
100.0	42 ± 5.6	27 ± 4.0	7 ± 0.3	10 ± 1.2	12 ± 0.9
333.0	40 ± 3.8	25 ± 1.9	12 ± 2.0	9 ± 0.6	23 ± 2.1
1000.0	37 ± 3.8	28 ± 3.0	10 ± 2.3	13 ± 2.5	18 ± 1.8
2000.0					16 ± 3.3
2500.0		22 ± 3.7 ^s			
3333.0			7 ± 1.5 ^s	6 ± 0.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			42 ± 6.5 ^s	146 ± 20.3	54 ± 7.0
Positive Control ⁴	2204 ± 102.4	782 ± 25.2			

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Date Report Requested: 09/17/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.3	14 ± 1.8
10.0		
33.0	10 ± 2.0	15 ± 3.3
100.0	11 ± 1.3	16 ± 0.9
333.0	13 ± 1.2	14 ± 1.9
1000.0	12 ± 3.2	18 ± 2.6
2000.0		18 ± 2.6
2500.0		
3333.0	Toxic	
Trial Summary	Negative	Negative
Positive Control ²	133 ± 3.2	60 ± 3.0
Positive Control ³		
Positive Control ⁴		

Experiment Number: 759552

Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Phenol**CAS Number: **108-95-2**Date Report Requested: **09/17/2018**Time Report Requested: **15:35:08****Strain: TA1537**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	8 ± 2.0	6 ± 0.7	8 ± 1.5	6 ± 1.3	11 ± 2.0
10.0	8 ± 1.3				
33.0	9 ± 3.2	6 ± 2.0	10 ± 3.6	9 ± 1.5	11 ± 1.3
100.0	6 ± 2.0	9 ± 3.5	8 ± 2.3	7 ± 1.5	10 ± 0.6
333.0	7 ± 1.2	8 ± 0.9	7 ± 1.5	6 ± 1.2	9 ± 0.0
1000.0	7 ± 0.6	7 ± 1.3	7 ± 1.9	10 ± 0.9	10 ± 0.9
2000.0					9 ± 0.3
2500.0		4 ± 0.7 ^s			
3333.0			Toxic	Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			26 ± 9.7 ^s	80 ± 8.1	74 ± 8.4
Positive Control ⁵	630 ± 80.0	230 ± 40.3			

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

G06: Ames Summary Data
Test Compound: **Phenol**
CAS Number: **108-95-2**

Date Report Requested: **09/17/2018**
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3	12 ± 0.6
10.0		
33.0	9 ± 1.5	9 ± 0.7
100.0	7 ± 1.3	8 ± 1.0
333.0	9 ± 2.0	11 ± 0.3
1000.0	6 ± 0.6	12 ± 1.7
2000.0		7 ± 1.2
2500.0		
3333.0	Toxic	
Trial Summary	Negative	Negative
Positive Control ²	156 ± 6.5	67 ± 3.7
Positive Control ³		
Positive Control ⁵		

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G06: Ames Summary Data

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

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CAS Number: 108-95-2

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 3.5	15 ± 3.0	26 ± 2.7	32 ± 2.1	27 ± 4.0
10.0	17 ± 2.2				
33.0	20 ± 1.3	16 ± 2.9	26 ± 4.0	23 ± 3.5	27 ± 0.9
100.0	19 ± 3.3	18 ± 1.8	18 ± 1.5	28 ± 2.3	29 ± 4.6
333.0	13 ± 2.5	16 ± 0.7	29 ± 3.5	28 ± 3.0	28 ± 0.6
1000.0	13 ± 1.3	22 ± 1.5	25 ± 1.9	32 ± 1.0	30 ± 2.1
2000.0					21 ± 4.1
2500.0		17 ± 2.4 ^s			
3333.0			14 ± 1.2 ^s	Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			268 ± 19.9 ^s	1089 ± 20.7	444 ± 15.1
Positive Control ⁶	1862 ± 16.2	1407 ± 59.3			

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Test Compound: Phenol
CAS Number: 108-95-2

Date Report Requested: 09/17/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	30 ± 2.0	23 ± 3.4
10.0		
33.0	26 ± 1.9	29 ± 2.9
100.0	27 ± 4.5	27 ± 2.2
333.0	27 ± 2.0	25 ± 0.7
1000.0	32 ± 1.2	29 ± 5.8
2000.0		29 ± 4.0
2500.0		
3333.0	Toxic	
Trial Summary	Negative	Negative
Positive Control ²	1458 ± 19.1	571 ± 15.9
Positive Control ³		
Positive Control ⁶		

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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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****