

Experiment Number: 175560

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

G06: Ames Summary Data

Test Compound: **Phenol**

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

Date Report Requested: **09/13/2018**

Time Report Requested: **14:23:23**

NTP Study Number:

175560

Study Result:

Negative

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Date Report Requested: 09/13/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	119 ± 7.8	140 ± 11.4	92 ± 5.6	143 ± 9.8	86 ± 3.8
33.0	97 ± 1.9	151 ± 4.9	99 ± 3.5	122 ± 12.7	92 ± 5.4
100.0	96 ± 0.6	144 ± 3.2	98 ± 4.4	141 ± 9.2	78 ± 3.8
333.0	97 ± 12.5	144 ± 7.5	90 ± 2.7	133 ± 8.5	93 ± 5.3
1000.0	99 ± 1.5	150 ± 2.3	89 ± 3.6	140 ± 7.2	90 ± 0.3
2166.0	99 ± 13.0				
2500.0		133 ± 13.1			
3333.0			74 ± 5.5 ^s	118 ± 6.9 ^s	67 ± 5.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2045 ± 114.8
Positive Control ³			1915 ± 52.8	977 ± 7.5	
Positive Control ⁴	1498 ± 21.0	2351 ± 59.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	115 ± 10.5
33.0	121 ± 2.1
100.0	111 ± 10.9
333.0	117 ± 5.5
1000.0	112 ± 11.6
2166.0	
2500.0	
3333.0	109 ± 5.8 ^s
Trial Summary	Negative
Positive Control ²	2100 ± 102.0
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 1.2	36 ± 3.2	10 ± 1.0	12 ± 1.5	10 ± 1.0
0.0				0 ± 0.0	
33.0	26 ± 5.2	33 ± 1.0	12 ± 2.0	14 ± 1.2	13 ± 2.6
100.0	23 ± 1.9	34 ± 2.4	9 ± 0.3	10 ± 2.0	15 ± 3.7
333.0	27 ± 5.2	30 ± 3.5	18 ± 1.2	8 ± 1.5	10 ± 1.2
1000.0	30 ± 2.3	44 ± 2.7	18 ± 0.7	9 ± 1.0	15 ± 1.2
2166.0	30 ± 3.5				
2500.0		25 ± 2.8			
3333.0			10 ± 2.7 ^s	12 ± 1.5 ^s	10 ± 0.9 ^s
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²					170 ± 1.2
Positive Control ³			133 ± 12.1	60 ± 3.5	
Positive Control ⁴	1051 ± 47.8	1942 ± 49.8			

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Date Report Requested: 09/13/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.0
0.0	
33.0	7 ± 2.7
100.0	6 ± 0.9
333.0	9 ± 0.6
1000.0	9 ± 1.0
2166.0	
2500.0	
3333.0	11 ± 1.7 ^s
Trial Summary	Negative
Positive Control ²	157 ± 9.3
Positive Control ³	
Positive Control ⁴	

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Date Report Requested: 09/13/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 2.2	5 ± 1.2	8 ± 3.2	5 ± 0.6	8 ± 1.2
33.0	4 ± 1.5	3 ± 1.3	9 ± 0.7	8 ± 2.8	10 ± 0.9
100.0	6 ± 1.5	5 ± 1.9	9 ± 0.9	8 ± 1.2	8 ± 2.0
333.0	4 ± 1.2	7 ± 1.2	11 ± 1.2	12 ± 1.5	8 ± 1.0
1000.0	6 ± 1.5	6 ± 1.3	5 ± 1.5	9 ± 0.3	10 ± 2.3
2166.0	6 ± 1.7 ^s				
2500.0		6 ± 0.9			
3333.0			6 ± 1.2 ^s	4 ± 0.9 ^s	7 ± 3.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					170 ± 12.9
Positive Control ³			202 ± 5.5	64 ± 1.5	
Positive Control ⁵	193 ± 5.0	544 ± 30.2			

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Date Report Requested: 09/13/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.9
33.0	6 ± 1.9
100.0	9 ± 2.0
333.0	7 ± 1.9
1000.0	6 ± 3.1
2166.0	
2500.0	
3333.0	5 ± 0.9 ^s
Trial Summary	Negative
Positive Control ²	220 ± 11.8
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.9	16 ± 1.7	26 ± 4.0	27 ± 1.7	30 ± 3.0
33.0	13 ± 0.3	14 ± 2.3	27 ± 0.9	25 ± 2.5	32 ± 4.2
100.0	15 ± 2.8	20 ± 3.5	25 ± 1.9	25 ± 4.3	24 ± 2.7
333.0	13 ± 1.2	20 ± 3.7	29 ± 3.8	23 ± 4.7	28 ± 5.2
1000.0	12 ± 0.9	16 ± 2.4	26 ± 1.3	27 ± 6.0	27 ± 2.8
2166.0	16 ± 2.9				
2500.0		13 ± 2.3			
3333.0			23 ± 3.2 ^s	20 ± 3.8 ^s	29 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1760 ± 56.2
Positive Control ³			1966 ± 18.5	612 ± 26.2	
Positive Control ⁶	1347 ± 34.2	1786 ± 8.1			

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CAS Number: 108-95-2

Date Report Requested: 09/13/2018
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 0.7
33.0	23 ± 3.1
100.0	27 ± 2.6
333.0	22 ± 1.5
1000.0	25 ± 1.9
2166.0	
2500.0	
3333.0	23 ± 5.5
Trial Summary	Negative
Positive Control ²	1759 ± 59.7
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: Dimethyl Sulfoxide

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 ****