

Experiment Number: **082062**

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

G06: Ames Summary Data

Test Compound: **3,5-Dimethyl phenol**

CAS Number: **108-68-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **01:14:10**

NTP Study Number:

082062

Study Result:

Negative

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Test Compound: 3,5-Dimethyl phenol

CAS Number: 108-68-9

Date Report Requested: 09/11/2018

Time Report Requested: 01:14:10

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	117 ± 1.9	108 ± 7.8	110 ± 1.3	147 ± 3.3	107 ± 12.9
10.0	122 ± 2.5	112 ± 2.2	109 ± 1.8	157 ± 3.2	100 ± 1.5
33.0	117 ± 3.9	120 ± 8.4	108 ± 6.4	123 ± 6.1	103 ± 4.9
100.0	122 ± 4.5	104 ± 2.5	100 ± 5.7	129 ± 6.4	111 ± 3.8
333.0	103 ± 6.9	133 ± 20.5	119 ± 5.0	131 ± 2.5	103 ± 3.5
1000.0	Toxic	90 ± 32.5 ^s	71 ± 4.3 ^s	76 ± 9.6 ^s	71 ± 2.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					467 ± 16.0
Positive Control ³	898 ± 16.5	576 ± 6.3			
Positive Control ⁴			1431 ± 40.9		
Positive Control ⁵					
Positive Control ⁶				1905 ± 29.6	

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Date Report Requested: 09/11/2018
Time Report Requested: 01:14:10

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	148 ± 4.7
10.0	119 ± 3.0
33.0	122 ± 7.8
100.0	148 ± 4.7
333.0	128 ± 3.3
1000.0	80 ± 9.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	500 ± 51.8
Positive Control ⁶	

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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	18 ± 6.0	22 ± 0.9	12 ± 0.6	12 ± 3.8	13 ± 0.9
10.0	23 ± 5.2	23 ± 3.2	12 ± 0.6	12 ± 1.8	13 ± 3.1
33.0	20 ± 3.2	19 ± 0.9	12 ± 1.7	10 ± 0.9	10 ± 0.9
100.0	19 ± 0.6	21 ± 2.8	17 ± 2.4	12 ± 1.7	12 ± 1.2
333.0	22 ± 3.0	34 ± 2.6	15 ± 1.2	16 ± 2.2	14 ± 2.9
1000.0	18 ± 1.5 ^s	29 ± 2.5 ^s	6 ± 3.2 ^s	10 ± 0.7 ^s	7 ± 2.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					115 ± 5.6
Positive Control ³	215 ± 13.2	375 ± 4.6			
Positive Control ⁵					
Positive Control ⁶			263 ± 7.1	254 ± 34.7	

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Test Compound: 3,5-Dimethyl phenol
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Date Report Requested: 09/11/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.5
10.0	13 ± 1.5
33.0	13 ± 2.0
100.0	8 ± 1.5
333.0	13 ± 3.6
1000.0	10 ± 2.9 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	156 ± 6.8
Positive Control ⁶	

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Date Report Requested: 09/11/2018

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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	109 ± 11.2	125 ± 4.7	130 ± 3.2	126 ± 3.4	161 ± 13.0
10.0	122 ± 2.2	116 ± 7.7	111 ± 4.3	146 ± 2.4	138 ± 3.7
33.0	124 ± 3.7	116 ± 5.3	124 ± 4.6	144 ± 6.6	150 ± 4.9
100.0	113 ± 4.0	112 ± 4.3	140 ± 2.3	150 ± 4.1	144 ± 8.2
333.0	91 ± 4.9	108 ± 4.7 ^s	117 ± 4.4	128 ± 6.7	141 ± 3.7
1000.0	68 ± 0.5 ^s	Toxic	27 ± 4.0 ^s	68 ± 5.8 ^s	50 ± 19.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁷	817 ± 17.1	917 ± 12.4			
Positive Control ⁴					698 ± 20.3
Positive Control ⁶			1828 ± 19.8		
Positive Control ⁸				695 ± 5.6	
Positive Control ⁹					

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Date Report Requested: 09/11/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	142 ± 5.9
10.0	168 ± 2.3
33.0	153 ± 0.7
100.0	141 ± 4.4
333.0	147 ± 11.5
1000.0	87 ± 3.3 ^s
Trial Summary	Negative
Positive Control ⁷	
Positive Control ⁴	
Positive Control ⁶	572 ± 5.8
Positive Control ⁸	
Positive Control ⁹	

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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	15 ± 1.3	30 ± 0.7	36 ± 3.8	28 ± 1.5	40 ± 3.4
10.0	18 ± 1.2	30 ± 0.9	46 ± 5.2	26 ± 2.2	41 ± 4.4
33.0	18 ± 4.3	32 ± 1.9	36 ± 1.7	31 ± 4.0	33 ± 3.5
100.0	16 ± 1.3	31 ± 0.9	37 ± 0.6	32 ± 4.8	44 ± 3.2
333.0	16 ± 0.3	29 ± 4.1	41 ± 5.6	30 ± 3.0	38 ± 4.3
1000.0	Toxic	Toxic	22 ± 3.3 ^s	16 ± 5.1 ^s	25 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			261 ± 7.2		306 ± 7.2
Positive Control ¹⁰	386 ± 4.6	295 ± 15.6			
Positive Control ⁵				347 ± 14.8	

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CAS Number: 108-68-9

Date Report Requested: 09/11/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 5.0
10.0	27 ± 2.4
33.0	25 ± 2.3
100.0	31 ± 1.3
333.0	27 ± 0.3
1000.0	5 ± 1.3 ^s
Trial Summary	Negative
Positive Control ²	106 ± 7.5
Positive Control ¹⁰	
Positive Control ⁵	

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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: 0.05 ug/Plate Solvent

8: 2.5 ug/Plate 2-Aminoanthracene

9: 24.0 ug/Plate 9-Aminoacridine

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****