

Experiment Number: **A67379**

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

G06: Ames Summary Data

Test Compound: **Cresols**

CAS Number: **1319-77-3**

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

Time Report Requested: **14:00:35**

NTP Study Number:

A67379

Study Result:

Negative

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G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Cresols

Time Report Requested: 14:00:35

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	70 ± 8.5	76 ± 2.6	54 ± 5.4	63 ± 6.6	77 ± 3.0
25.0			53 ± 5.6		
50.0			49 ± 1.8		
62.5					
100.0		69 ± 4.2	48 ± 5.5		
125.0					
250.0	66 ± 6.4	67 ± 3.2	57 ± 4.4	66 ± 6.4	77 ± 3.2
500.0	57 ± 4.5	71 ± 3.5	54 ± 4.8	72 ± 1.5	67 ± 3.5
1000.0	45 ± 4.9	58 ± 1.8		84 ± 13.3	
1500.0					52 ± 1.8
2000.0	30 ± 2.4	24 ± 2.9 ^s		36 ± 4.4	
2500.0					39 ± 4.9
3000.0	5 ± 0.9 ^s			34 ± 4.3	
3500.0					16 ± 2.2 ^s
4000.0	Toxic			Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	488 ± 27.2	635 ± 35.5	422 ± 6.7		
Positive Control ³				982 ± 37.0	878 ± 19.1

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Strain: TA100

Dose (ug/Plate)	With 10% Rat S9
Vehicle Control ¹	44 ± 2.7
25.0	
50.0	
62.5	68 ± 2.7
100.0	
125.0	57 ± 2.0
250.0	76 ± 3.2
500.0	63 ± 5.5
1000.0	
1500.0	58 ± 2.9
2000.0	
2500.0	
3000.0	
3500.0	
4000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	772 ± 51.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	21 ± 0.9	22 ± 2.7	18 ± 3.8	19 ± 1.5	24 ± 2.5
25.0			20 ± 2.7		
50.0			19 ± 1.7		
62.5					
100.0		12 ± 1.5	16 ± 2.3		
125.0					
250.0	19 ± 0.6	14 ± 1.2	17 ± 3.0	27 ± 0.6	17 ± 0.9
500.0	19 ± 1.2	14 ± 2.3	21 ± 1.5	24 ± 2.3	15 ± 0.6
1000.0	17 ± 1.2	13 ± 0.6		22 ± 2.3	
1500.0					16 ± 1.7
2000.0	12 ± 0.9	10 ± 0.9		20 ± 2.0	
2500.0					12 ± 0.9 ^s
3000.0	5 ± 1.2 ^s			18 ± 1.0	
3500.0					Toxic
4000.0	Toxic			Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³				1163 ± 76.6	742 ± 36.6
Positive Control ⁴	693 ± 25.6	445 ± 12.5	654 ± 17.4		

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Date Report Requested: 09/17/2018
Time Report Requested: 14:00:35

Strain: TA98

Dose (ug/Plate)	With 10% Rat S9
Vehicle Control ¹	17 ± 2.2
25.0	
50.0	
62.5	23 ± 3.5
100.0	
125.0	16 ± 2.9
250.0	23 ± 6.1
500.0	23 ± 0.3
1000.0	
1500.0	17 ± 3.7
2000.0	
2500.0	
3000.0	
3500.0	
4000.0	
Trial Summary	Negative
Positive Control ³	1211 ± 15.3
Positive Control ⁴	

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Test Type: Genetic Toxicology - Bacterial
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Test Compound: Cresols

Time Report Requested: 14:00:35

CAS Number: 1319-77-3

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	158 ± 4.3	151 ± 6.0	141 ± 7.1	216 ± 3.5	185 ± 8.4
25.0			119 ± 1.5		
50.0			141 ± 2.2		
62.5					
100.0		163 ± 14.7	185 ± 7.5		
125.0					
250.0	157 ± 18.5	151 ± 11.2	181 ± 2.8	236 ± 14.4	170 ± 1.2
500.0	152 ± 13.6	146 ± 8.7	192 ± 11.4	240 ± 21.7	179 ± 11.8
1000.0	147 ± 1.5	120 ± 4.2		197 ± 12.1	138 ± 6.1
1500.0					
2000.0	109 ± 4.8	90 ± 5.2 ^s		130 ± 6.4	
2500.0					120 ± 7.6
3000.0	53 ± 6.1 ^s			17 ± 2.6 ^s	
3500.0					46 ± 7.2 ^s
4000.0	22 ± 7.0 ^s			8 ± 1.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁵				1164 ± 25.3	993 ± 79.4
Positive Control ⁶	1955 ± 17.9	1816 ± 73.7	1666 ± 163.4		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	With 10% Rat S9
Vehicle Control ¹	142 ± 5.6
25.0	
50.0	
62.5	214 ± 3.8
100.0	
125.0	235 ± 0.6
250.0	223 ± 4.9
500.0	198 ± 5.8
1000.0	
1500.0	175 ± 5.8
2000.0	
2500.0	
3000.0	
3500.0	
4000.0	
Trial Summary	Equivocal
Positive Control ⁵	823 ± 43.0
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: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

** END OF REPORT **