

Experiment Number: 388990

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-Cresol

CAS Number: 106-44-5

Date Report Requested: 09/14/2018

Time Report Requested: 09:52:13

NTP Study Number:

388990

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% Hamster S9
Vehicle Control ¹	131 ± 5.4	113 ± 9.2	158 ± 10.2	149 ± 4.8	175 ± 12.0
3.3		103 ± 2.0		140 ± 3.7	
10.0	114 ± 7.5	96 ± 1.5	138 ± 3.8	143 ± 10.3	146 ± 4.6
33.0	122 ± 4.5	94 ± 6.2	144 ± 9.4	117 ± 9.2	157 ± 15.6
100.0	104 ± 8.1	97 ± 6.7	157 ± 1.2	132 ± 14.0	155 ± 3.2
333.0	115 ± 7.5	99 ± 0.6	134 ± 15.5	124 ± 6.1	170 ± 8.1
1000.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			326 ± 14.5	501 ± 43.3	618 ± 73.5
Positive Control ³	455 ± 41.5	492 ± 9.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	158 ± 9.1
3.3	143 ± 3.0
10.0	145 ± 12.8
33.0	155 ± 7.0
100.0	154 ± 7.0
333.0	140 ± 7.3
1000.0	
Trial Summary	Negative
Positive Control ²	631 ± 76.8
Positive Control ³	

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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	14 ± 1.5	15 ± 1.5	15 ± 0.5	16 ± 1.2	20 ± 2.0
3.3		22 ± 1.5		17 ± 2.6	
10.0	18 ± 1.8	19 ± 0.9	19 ± 4.5	20 ± 0.3	20 ± 0.6
33.0	18 ± 1.2	24 ± 2.5	23 ± 1.2	19 ± 3.7	22 ± 1.8
100.0	21 ± 4.1	17 ± 2.8	19 ± 1.3	20 ± 3.2	18 ± 2.0
333.0	Toxic	23 ± 5.5	24 ± 1.0	22 ± 2.2	17 ± 2.7
1000.0	0 ± 0.0		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			41 ± 8.5	44 ± 1.9	94 ± 21.4
Positive Control ³	511 ± 54.3	466 ± 27.5			

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Date Report Requested: 09/14/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	19 ± 1.5
3.3	19 ± 1.3
10.0	19 ± 1.2
33.0	20 ± 0.9
100.0	18 ± 3.0
333.0	20 ± 2.2
1000.0	
Trial Summary	Negative
Positive Control ²	87 ± 10.0
Positive Control ³	

Experiment Number: 388990

G06: Ames Summary Data

Date Report Requested: 09/14/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **p-Cresol**

Time Report Requested: 09:52:13

CAS Number: **106-44-5****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 ± 0.3	8 ± 3.1	8 ± 1.5	9 ± 1.0	9 ± 1.0
3.3		8 ± 1.2		10 ± 1.7	
10.0	5 ± 1.0	10 ± 1.8	10 ± 1.2	11 ± 1.2	10 ± 1.7
33.0	5 ± 1.3	9 ± 1.5	13 ± 0.9	11 ± 1.9	9 ± 1.2
100.0	4 ± 0.9	9 ± 2.3	11 ± 0.5	9 ± 2.2	8 ± 1.3
333.0	4 ± 0.6	6 ± 0.5	11 ± 0.7	10 ± 1.0	11 ± 1.2
1000.0	Toxic		7 ± 1.3		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			49 ± 4.4	39 ± 5.7	84 ± 7.9
Positive Control ⁴	134 ± 5.1	756 ± 67.7			

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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	22 ± 4.3	28 ± 3.8	32 ± 4.0	35 ± 2.7	31 ± 3.7
3.3		32 ± 3.8		28 ± 1.5	
10.0	20 ± 1.3	26 ± 5.2	26 ± 4.4	25 ± 2.2	23 ± 1.2
33.0	15 ± 0.7	19 ± 1.5	29 ± 3.3	31 ± 1.5	24 ± 0.9
100.0	18 ± 0.9	22 ± 1.2	29 ± 2.3	32 ± 2.3	22 ± 1.3
333.0	Toxic	20 ± 2.0	Toxic	Toxic	9 ± 9.0
1000.0	Toxic		Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			669 ± 43.6	368 ± 30.4	668 ± 24.1
Positive Control ⁵	303 ± 23.7	254 ± 11.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	36 ± 2.3
3.3	31 ± 3.8
10.0	28 ± 1.9
33.0	32 ± 2.6
100.0	26 ± 3.8
333.0	26 ± 1.0
1000.0	
Trial Summary	Negative
Positive Control ²	583 ± 86.6
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **