

Experiment Number: **092475**

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

G06: Ames Summary Data

Test Compound: **5-Chloro-o-toluidine**

CAS Number: **95-79-4**

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

Time Report Requested: **07:08:57**

NTP Study Number:

092475

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	110 ± 11.1	140 ± 7.0	128 ± 3.6	150 ± 9.8	132 ± 6.7
3.3	132 ± 5.8	145 ± 8.5			
10.0	117 ± 7.5	128 ± 7.0	129 ± 0.3	138 ± 6.9	142 ± 8.0
33.0	125 ± 2.4	140 ± 3.9	138 ± 4.2	144 ± 7.3	142 ± 10.4
100.0	137 ± 3.8	139 ± 6.7	137 ± 6.6	140 ± 12.0	120 ± 1.2
333.0	120 ± 6.7 ^s	142 ± 5.1	121 ± 8.7	144 ± 10.9	135 ± 4.4
666.0			65 ± 5.9 ^s	105 ± 9.6 ^s	110 ± 3.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1146 ± 18.4
Positive Control ³			1110 ± 29.7	1303 ± 21.9	
Positive Control ⁴	1108 ± 14.0	1194 ± 55.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 5.6
3.3	
10.0	142 ± 18.1
33.0	140 ± 3.4
100.0	161 ± 11.7
333.0	141 ± 5.5
666.0	138 ± 8.0 ^s
Trial Summary	Negative
Positive Control ²	1311 ± 15.8
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	27 ± 0.9	31 ± 2.9	12 ± 0.9	14 ± 0.9	12 ± 0.6
3.3	20 ± 2.7	33 ± 6.7			
10.0	18 ± 2.4	26 ± 2.7	13 ± 1.7	15 ± 1.2	8 ± 1.7
33.0	29 ± 3.2	28 ± 3.8	12 ± 1.3	13 ± 2.3	8 ± 3.0
100.0	23 ± 2.7	34 ± 0.9	7 ± 1.2	11 ± 2.0	13 ± 1.3
333.0	30 ± 3.3	42 ± 6.9	10 ± 3.8	15 ± 2.2	10 ± 0.3
666.0			5 ± 1.2 ^s	11 ± 1.9 ^s	8 ± 1.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					59 ± 1.9
Positive Control ³			73 ± 6.0	73 ± 5.0	
Positive Control ⁴	854 ± 8.7	824 ± 21.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.3
3.3	
10.0	13 ± 2.3
33.0	15 ± 2.9
100.0	10 ± 0.3
333.0	13 ± 2.2
666.0	11 ± 1.3 ^s
Trial Summary	Negative
Positive Control ²	74 ± 4.3
Positive Control ³	
Positive Control ⁴	

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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	4 ± 0.9	10 ± 2.2	7 ± 1.2	6 ± 0.6	10 ± 0.3
3.3	7 ± 0.7	7 ± 2.6			
10.0	8 ± 0.9	10 ± 1.5	9 ± 0.3	8 ± 2.2	5 ± 2.3
33.0	7 ± 0.9	6 ± 2.0	7 ± 1.0	7 ± 0.7	7 ± 0.3
100.0	6 ± 1.5	11 ± 1.5	9 ± 1.5	6 ± 0.6	8 ± 1.2
333.0	7 ± 0.7	6 ± 1.7	8 ± 1.2	10 ± 2.1	8 ± 0.6
666.0			7 ± 1.5 ^s	6 ± 1.2 ^s	8 ± 2.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					82 ± 4.9
Positive Control ³			89 ± 2.3	98 ± 5.5	
Positive Control ⁵	274 ± 67.1	524 ± 40.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.9
3.3	
10.0	9 ± 1.9
33.0	7 ± 0.9
100.0	8 ± 2.7
333.0	6 ± 1.5
666.0	7 ± 1.0 ^s
Trial Summary	Negative
Positive Control ²	110 ± 7.4
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 ± 2.3	19 ± 0.0	24 ± 3.2	32 ± 1.5	22 ± 1.7
3.3	15 ± 5.1	15 ± 1.5			
10.0	15 ± 4.0	16 ± 1.9	26 ± 2.2	32 ± 1.9	29 ± 3.6
33.0	18 ± 2.0	22 ± 2.6	28 ± 3.1	29 ± 1.7	26 ± 5.2
100.0	15 ± 3.2	21 ± 1.3	31 ± 2.3	31 ± 2.0	28 ± 3.6
333.0	15 ± 2.8	13 ± 2.7	28 ± 4.0	32 ± 2.4	29 ± 4.3
666.0			19 ± 1.9 ^s	28 ± 2.4 ^s	37 ± 3.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					945 ± 32.7
Positive Control ³			889 ± 38.1	807 ± 16.2	
Positive Control ⁶	1138 ± 53.7	1233 ± 15.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	43 ± 6.6
3.3	
10.0	29 ± 0.0
33.0	30 ± 1.2
100.0	42 ± 6.2
333.0	38 ± 4.6
666.0	39 ± 4.6 ^s
Trial Summary	Negative
Positive Control ²	1002 ± 43.1
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 ****