

Experiment Number: 374293

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

G06: Ames Summary Data

Test Compound: **3-Chloro-p-toluidine**

CAS Number: **95-74-9**

Date Report Requested: **09/14/2018**

Time Report Requested: **03:08:20**

NTP Study Number:

374293

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	122 ± 14.9	147 ± 8.8	116 ± 5.2	143 ± 1.7	137 ± 6.0
3.0				145 ± 13.3	
10.0	124 ± 6.4		119 ± 9.7	143 ± 9.0	147 ± 6.7
33.0	114 ± 1.7	149 ± 0.7	139 ± 6.4	175 ± 12.7	160 ± 10.7
100.0	120 ± 2.0	139 ± 5.1	145 ± 6.8	155 ± 9.5	159 ± 2.6
333.0	116 ± 7.9	129 ± 11.3	147 ± 5.7	159 ± 10.7	186 ± 7.2
666.0	95 ± 4.3 ^s			154 ± 8.8	
1000.0		136 ± 7.1	137 ± 1.9		155 ± 1.7
1666.0		92 ± 2.5			
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²			1178 ± 52.8	1072 ± 31.6	713 ± 15.9
Positive Control ³					
Positive Control ⁴	430 ± 15.3				
Positive Control ⁵		1116 ± 12.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	145 ± 10.1	122 ± 0.3	121 ± 16.3	149 ± 16.9
3.0	144 ± 3.4			178 ± 10.0
10.0	171 ± 6.3		145 ± 7.4	175 ± 5.3
33.0	179 ± 11.3	161 ± 8.1	143 ± 4.6	180 ± 15.9
100.0	203 ± 10.3	177 ± 8.1	165 ± 11.9	214 ± 3.0
333.0	203 ± 0.3	210 ± 6.8	145 ± 12.8	248 ± 10.4
666.0	187 ± 11.9			254 ± 7.3
1000.0		200 ± 8.3	132 ± 17.1	
1666.0		137 ± 6.7		
Trial Summary	Weakly Positive	Weakly Positive	Equivocal	Weakly Positive
Positive Control ²	827 ± 36.0			
Positive Control ³		1187 ± 61.5	672 ± 37.1	645 ± 40.0
Positive Control ⁴				
Positive Control ⁵				

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Strain: TA1535

Dose (ug/Plate)	With 5% Hamster S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.5	8 ± 1.7	10 ± 1.2	11 ± 2.6	13 ± 0.9
3.0		11 ± 1.9		10 ± 1.8	
10.0	11 ± 0.6	7 ± 0.9	10 ± 1.7	10 ± 2.7	13 ± 2.5
33.0	11 ± 1.7	8 ± 1.2	8 ± 2.5	13 ± 2.6	18 ± 1.2
100.0	8 ± 2.0	12 ± 2.2	13 ± 2.9	7 ± 0.6	13 ± 2.0
333.0	12 ± 1.5	10 ± 1.0	9 ± 1.2	10 ± 1.5	13 ± 0.7
666.0		9 ± 1.3		7 ± 1.3	
1000.0	11 ± 0.6 ^s		7 ± 1.2 ^s		9 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	182 ± 12.7	92 ± 8.1	171 ± 12.0	96 ± 2.1	
Positive Control ⁵					449 ± 16.3

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Date Report Requested: **09/14/2018**

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.9
3.0	10 ± 0.3
10.0	9 ± 2.0
33.0	11 ± 4.2
100.0	9 ± 0.7
333.0	10 ± 2.3
666.0	11 ± 2.3
1000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁵	215 ± 16.3

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	18 ± 3.1	29 ± 1.9	33 ± 3.8
10.0	16 ± 2.2		
33.0	16 ± 0.3	34 ± 2.2	29 ± 4.3
100.0	18 ± 0.7	32 ± 2.3	28 ± 2.4
333.0	16 ± 0.3	31 ± 3.5	42 ± 1.5
666.0	15 ± 1.5		
1000.0		23 ± 4.4	39 ± 1.3
1666.0		23 ± 1.8	32 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control ³		154 ± 11.0	353 ± 22.9
Positive Control ⁶	815 ± 72.9		

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****