

Experiment Number: 518095

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: alpha,alpha-Dichlorotoluene

CAS Number: 98-87-3

Date Report Requested: 09/12/2018

Time Report Requested: 17:17:42

**NTP Study Number:** 518095

**Study Result:** Positive

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	95 ± 4.7	120 ± 5.2	110 ± 3.2	120 ± 1.5	117 ± 7.3
3.3	116 ± 8.8		122 ± 9.9	100 ± 3.1	105 ± 7.3
10.0	153 ± 10.1	168 ± 9.7	132 ± 7.8	118 ± 6.2	125 ± 9.9
33.0	223 ± 16.3	289 ± 7.3	194 ± 4.7	212 ± 5.7	158 ± 3.4
50.0		312 ± 20.1		239 ± 20.0	
75.0		376 ± 19.9		282 ± 8.5	
100.0	371 ± 26.0	329 ± 18.4	376 ± 7.8	385 ± 14.6	364 ± 3.7
125.0		276 ± 11.6			
150.0				386 ± 29.9	
333.0	Toxic		217 ± 21.4 <sup>s</sup>		414 ± 26.1
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	515 ± 7.2	503 ± 8.7			
Positive Control <sup>3</sup>					700 ± 51.5
Positive Control <sup>4</sup>			953 ± 13.9	1094 ± 51.7	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	136 ± 14.7
3.3	111 ± 5.5
10.0	148 ± 5.3
33.0	205 ± 3.2
50.0	234 ± 10.1
75.0	279 ± 14.7
100.0	336 ± 13.1
125.0	
150.0	
333.0	240 ± 37.5
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	749 ± 16.2
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 2.3	17 ± 0.9	25 ± 2.3	31 ± 2.3	38 ± 0.9
3.3	15 ± 1.7		33 ± 3.8	23 ± 2.1	37 ± 0.9
10.0	21 ± 3.5	20 ± 4.0	34 ± 1.3	26 ± 2.7	34 ± 2.8
33.0	21 ± 0.9	29 ± 4.2	41 ± 2.4	32 ± 2.8	35 ± 2.2
50.0		34 ± 2.3		36 ± 1.5	
75.0		48 ± 3.5		50 ± 6.9	
100.0	37 ± 2.1	41 ± 8.5	48 ± 4.9	56 ± 4.3	40 ± 0.3
125.0		37 ± 3.5 <sup>s</sup>			
150.0				79 ± 5.9	
333.0	Toxic		39 ± 2.3 <sup>s</sup>		44 ± 5.8 <sup>s</sup>
Trial Summary	Equivocal	Positive	Equivocal	Positive	Negative
Positive Control <sup>3</sup>			315 ± 21.4	383 ± 9.5	448 ± 6.4
Positive Control <sup>5</sup>	333 ± 7.3	358 ± 18.1			

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**LEGEND**

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***