

Experiment Number: **A84599**  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **3-Chloro-o-toluidine**  
CAS Number: **87-60-5**

Date Report Requested: **09/18/2018**  
Time Report Requested: **04:01:05**

**NTP Study Number:** A84599  
**Study Result:** Negative

Experiment Number: A84599

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

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Test Compound: 3-Chloro-o-toluidine

CAS Number: 87-60-5

Date Report Requested: 09/18/2018

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	128 ± 3.3	118 ± 7.2	127 ± 6.1	111 ± 3.7	123 ± 8.0
3.0		119 ± 4.0			
10.0	113 ± 8.3	116 ± 2.4	109 ± 3.2		118 ± 10.8
33.0	115 ± 7.5	112 ± 2.7	122 ± 4.8	113 ± 4.6	116 ± 11.8
100.0	96 ± 6.5	110 ± 3.8	109 ± 14.6	108 ± 4.3	130 ± 6.4
333.0	116 ± 3.3	94 ± 5.0	131 ± 9.5	103 ± 5.8	133 ± 12.7
666.0	0 ± 0.0 <sup>x</sup>		113 ± 3.0		100 ± 1.2
1000.0				106 ± 1.5	
1666.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					926 ± 38.5
Positive Control <sup>3</sup>			528 ± 7.5		
Positive Control <sup>4</sup>	837 ± 14.4	945 ± 32.2			
Positive Control <sup>5</sup>				437 ± 10.6	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	109 ± 3.0
3.0	
10.0	
33.0	106 ± 3.5
100.0	107 ± 4.2
333.0	108 ± 5.5
666.0	
1000.0	104 ± 4.2
1666.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	559 ± 21.4
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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Test Compound: 3-Chloro-o-toluidine

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.5	9 ± 1.7	16 ± 2.3	11 ± 1.0	13 ± 1.5
3.0	8 ± 1.5	11 ± 0.3			
10.0	8 ± 0.9	8 ± 1.5	14 ± 1.5	9 ± 0.7	15 ± 2.3
33.0	7 ± 0.6	10 ± 1.5	12 ± 1.5	9 ± 0.9	12 ± 1.2
100.0	8 ± 1.5	10 ± 0.7	10 ± 0.7	7 ± 1.0	11 ± 1.8
333.0	7 ± 1.0	8 ± 0.7	11 ± 1.9	7 ± 0.3	15 ± 2.3
666.0			4 ± 0.6		6 ± 0.9
1000.0				4 ± 0.6 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					149 ± 6.7
Positive Control <sup>5</sup>			124 ± 9.5		
Positive Control <sup>4</sup>	877 ± 21.1	907 ± 46.4			
Positive Control <sup>6</sup>				138 ± 10.1	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.9
3.0	
10.0	11 ± 1.0
33.0	9 ± 1.2
100.0	10 ± 1.9
333.0	10 ± 2.1
666.0	
1000.0	7 ± 0.9
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	259 ± 19.7
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	160 ± 9.9	135 ± 6.1	157 ± 11.0	186 ± 4.6	132 ± 13.9
3.0	168 ± 9.7	127 ± 7.0			
10.0	170 ± 8.8	139 ± 0.9	135 ± 11.0	181 ± 4.7	137 ± 9.2
33.0	176 ± 9.9	143 ± 7.3	159 ± 9.9	187 ± 6.0	156 ± 15.9
100.0	183 ± 6.2	120 ± 9.8	158 ± 14.7	179 ± 8.3	151 ± 5.0
333.0	188 ± 7.0	98 ± 0.9	178 ± 5.5	176 ± 10.4	140 ± 12.4
666.0			108 ± 1.2		118 ± 5.5
1000.0				56 ± 8.9 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			647 ± 20.7		1008 ± 27.5
Positive Control <sup>5</sup>				447 ± 15.7	
Positive Control <sup>7</sup>	581 ± 18.0	583 ± 58.3			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	170 ± 7.2
3.0	
10.0	176 ± 7.0
33.0	180 ± 8.1
100.0	174 ± 11.5
333.0	181 ± 9.0
666.0	
1000.0	179 ± 4.7
Trial Summary	Negative
Positive Control <sup>3</sup>	508 ± 6.1
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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Test Compound: 3-Chloro-o-toluidine

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 2.0	22 ± 3.5	24 ± 3.2	18 ± 2.8	21 ± 2.9
3.0		24 ± 3.2			
10.0	18 ± 0.3	26 ± 1.2	26 ± 3.3		16 ± 1.9
33.0	20 ± 2.9	20 ± 0.7	22 ± 1.0	18 ± 2.7	18 ± 1.7
100.0	18 ± 1.5	24 ± 3.5	27 ± 1.7	22 ± 2.1	24 ± 3.2
333.0	18 ± 2.1	25 ± 5.5	24 ± 2.1	16 ± 1.5	22 ± 3.2
666.0	Toxic		22 ± 6.2		18 ± 4.3
1000.0				15 ± 1.2	
1666.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					760 ± 26.9
Positive Control <sup>3</sup>			438 ± 25.5		
Positive Control <sup>8</sup>	336 ± 11.0	387 ± 10.0			
Positive Control <sup>5</sup>				514 ± 6.7	



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 2.3
3.0	
10.0	
33.0	22 ± 3.3
100.0	20 ± 2.9
333.0	19 ± 2.6
666.0	
1000.0	17 ± 2.2
1666.0	Toxic
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	534 ± 13.2
Positive Control <sup>8</sup>	
Positive Control <sup>5</sup>	

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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: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity
- x: Slight Toxicity and Precipitate

\*\* END OF REPORT \*\*