

Experiment Number: 659623

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

**G06: Ames Summary Data**

Test Compound: **2,3,5-Trichlorophenol**

CAS Number: **933-78-8**

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

Time Report Requested: **11:23:31**

**NTP Study Number:**

659623

**Study Result:**

Negative

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Date Report Requested: 09/11/2018

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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>	84 ± 2.6	93 ± 5.7	97 ± 3.1	84 ± 4.1	84 ± 3.9
0.3		90 ± 9.5			
1.0	82 ± 2.0	88 ± 7.0	90 ± 6.2	84 ± 6.1	87 ± 3.1
3.3	77 ± 1.7	80 ± 5.8	85 ± 8.5	93 ± 5.7	70 ± 2.2
10.0	84 ± 2.5	85 ± 2.8	90 ± 4.0	82 ± 2.7	95 ± 2.9
33.0	76 ± 5.9	93 ± 0.6	93 ± 2.3	94 ± 8.4	98 ± 3.5
66.0	30 ± 2.6			100 ± 6.9	
100.0			60 ± 1.9		49 ± 4.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					683 ± 20.5
Positive Control <sup>3</sup>	328 ± 13.2	362 ± 14.2			
Positive Control <sup>4</sup>			856 ± 41.9		
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>				541 ± 13.0	

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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>	87 ± 5.8
0.3	
1.0	85 ± 8.6
3.3	84 ± 7.9
10.0	89 ± 0.9
33.0	95 ± 2.8
66.0	86 ± 4.0
100.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	2156 ± 49.7
Positive Control <sup>6</sup>	

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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>	23 ± 3.8	15 ± 1.2	7 ± 0.7	19 ± 3.0	10 ± 0.7
0.3		22 ± 3.3			
1.0	20 ± 3.9	19 ± 1.7	10 ± 3.5	12 ± 1.2	11 ± 0.7
3.3	20 ± 1.2	16 ± 2.5	10 ± 2.1	16 ± 3.4	8 ± 0.9
10.0	26 ± 4.4	18 ± 0.6	10 ± 2.0	12 ± 0.6	7 ± 1.8
33.0	25 ± 3.4	25 ± 1.5	8 ± 0.3	13 ± 1.2	11 ± 2.8
66.0	26 ± 4.4				
100.0			5 ± 1.8	10 ± 1.2	4 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					53 ± 1.7
Positive Control <sup>3</sup>	332 ± 8.8	225 ± 10.7			
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>			118 ± 8.1	134 ± 7.6	

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**G06: Ames Summary Data**

Test Compound: 2,3,5-Trichlorophenol

CAS Number: 933-78-8

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	17 ± 4.4
0.3	
1.0	12 ± 0.0
3.3	13 ± 0.6
10.0	8 ± 1.5
33.0	10 ± 1.2
66.0	
100.0	8 ± 0.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	125 ± 4.6
Positive Control <sup>6</sup>	

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 0.9	13 ± 1.3	12 ± 3.8
1.0	7 ± 2.2	10 ± 1.7	10 ± 1.2
3.3	6 ± 0.6	7 ± 0.3	13 ± 1.5
10.0	6 ± 1.2	9 ± 0.6	10 ± 2.2
33.0	8 ± 0.7	8 ± 1.0	35 ± 26.3
66.0	5 ± 1.2		
100.0		8 ± 0.7	3 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control <sup>7</sup>		159 ± 4.2	51 ± 7.5
Positive Control <sup>8</sup>	45 ± 1.5		

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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>	83 ± 3.9	71 ± 9.3	110 ± 9.5	179 ± 6.6	110 ± 8.8
0.3		80 ± 4.0			
1.0	81 ± 4.9	83 ± 2.2	103 ± 7.3	208 ± 11.9	102 ± 4.5
3.3	74 ± 11.0	59 ± 16.0	89 ± 4.8	136 ± 12.9	97 ± 4.6
10.0	76 ± 3.2	36 ± 3.9	79 ± 11.7	138 ± 5.9	98 ± 3.7
33.0	8 ± 2.1	4 ± 2.0	67 ± 13.0	133 ± 7.1	75 ± 4.2
66.0	0 ± 0.0 <sup>s</sup>				
100.0			0 ± 0.0 <sup>s</sup>	94 ± 6.5 <sup>s</sup>	7 ± 1.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					531 ± 48.4
Positive Control <sup>9</sup>	275 ± 63.3				
Positive Control <sup>6</sup>			1032 ± 42.3		
Positive Control <sup>7</sup>				892 ± 17.5	
Positive Control <sup>10</sup>		170 ± 18.7			

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**G06: Ames Summary Data**

Test Compound: 2,3,5-Trichlorophenol

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	129 ± 8.3
0.3	
1.0	116 ± 5.0
3.3	114 ± 4.2
10.0	109 ± 9.2
33.0	125 ± 4.5
66.0	
100.0	27 ± 5.5 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>9</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	366 ± 7.9
Positive Control <sup>10</sup>	



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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>	20 ± 3.5	17 ± 2.0	21 ± 3.6	27 ± 4.0	27 ± 1.5
0.3		14 ± 2.2			
1.0	18 ± 1.7	11 ± 1.2	27 ± 1.5	30 ± 1.7	23 ± 3.1
3.3	19 ± 4.0	14 ± 1.2	21 ± 2.8	26 ± 1.0	23 ± 2.9
10.0	13 ± 3.7	16 ± 2.4	20 ± 2.6	24 ± 2.7	21 ± 5.9
33.0	15 ± 3.2	10 ± 0.6 <sup>s</sup>	25 ± 2.8	27 ± 4.5	22 ± 3.9
66.0	9 ± 1.5			22 ± 2.6	
100.0			12 ± 1.2		8 ± 1.7 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>11</sup>					361 ± 17.9
Positive Control <sup>2</sup>			200 ± 2.0		
Positive Control <sup>12</sup>	122 ± 2.6	183 ± 2.2			
Positive Control <sup>5</sup>				113 ± 4.8	

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	36 ± 4.7
0.3	
1.0	34 ± 3.8
3.3	38 ± 2.8
10.0	26 ± 2.6
33.0	29 ± 2.5
66.0	23 ± 5.2
100.0	
Trial Summary	Negative
Positive Control <sup>11</sup>	
Positive Control <sup>2</sup>	770 ± 9.0
Positive Control <sup>12</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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 0.8 ug/Plate 9-Aminoacridine

10: 8.0 ug/Plate 9-Aminoacridine

11: 0.2 ug/Plate 2-Aminoanthracene

12: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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