

Experiment Number: 525324

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

G06: Ames Summary Data

Test Compound: 3,4,6-Trichloro-2-nitrophenol

CAS Number: 82-62-2

Date Report Requested: 09/12/2018

Time Report Requested: 18:15:26

NTP Study Number:

525324

Study Result:

Negative

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Test Compound: 3,4,6-Trichloro-2-nitrophenol

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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 ¹	102 ± 4.1	93 ± 4.2	90 ± 5.5	90 ± 5.3	98 ± 3.3
1.0		86 ± 9.0	100 ± 10.4		95 ± 6.1
3.3	116 ± 6.3	89 ± 8.9	93 ± 7.2	91 ± 0.3	87 ± 5.0
10.0	95 ± 1.9	92 ± 3.8	96 ± 4.4	98 ± 8.0	89 ± 2.7
33.0	89 ± 0.6	94 ± 4.2	99 ± 7.2	96 ± 3.2	85 ± 4.8
100.0	83 ± 1.2	80 ± 2.0	103 ± 6.7	105 ± 3.8	86 ± 1.9
200.0	44 ± 6.5			89 ± 3.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					739 ± 3.8
Positive Control ³	362 ± 9.3	403 ± 15.0			
Positive Control ⁴			476 ± 14.6		
Positive Control ⁵					
Positive Control ⁶				428 ± 21.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	108 ± 6.0
1.0	
3.3	95 ± 5.3
10.0	96 ± 10.7
33.0	96 ± 8.8
100.0	90 ± 2.2
200.0	61 ± 3.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	1656 ± 33.4
Positive Control ⁶	

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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 ¹	21 ± 0.6	19 ± 3.5	11 ± 1.2	10 ± 1.3	11 ± 3.7
1.0		24 ± 3.0	10 ± 0.9		15 ± 2.3
3.3	18 ± 3.1	24 ± 4.4	10 ± 1.8	13 ± 2.2	13 ± 1.5
10.0	18 ± 2.1	22 ± 1.7	9 ± 2.2	14 ± 2.0	10 ± 0.9
33.0	19 ± 0.6	20 ± 3.7	14 ± 0.7	10 ± 3.0	9 ± 1.7
100.0	20 ± 5.2	19 ± 1.9	9 ± 3.0	9 ± 3.2	6 ± 0.3
200.0	8 ± 2.1			7 ± 1.5	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					58 ± 5.4
Positive Control ³	246 ± 2.3	280 ± 12.4			
Positive Control ⁵					
Positive Control ⁶			170 ± 3.5	138 ± 4.8	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.5
1.0	
3.3	9 ± 1.5
10.0	12 ± 0.3
33.0	12 ± 0.6
100.0	11 ± 2.1
200.0	5 ± 1.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	79 ± 1.5
Positive Control ⁶	

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G06: Ames Summary Data

Test Compound: 3,4,6-Trichloro-2-nitrophenol

CAS Number: 82-62-2

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	7 ± 1.9	9 ± 1.7	5 ± 0.9
3.3	7 ± 2.0	7 ± 2.0	5 ± 1.5
10.0	8 ± 0.9	8 ± 0.7	8 ± 0.9
33.0	9 ± 1.2	4 ± 0.9	8 ± 1.5
100.0	4 ± 1.2	5 ± 0.3	5 ± 1.2
200.0	3 ± 1.5	2 ± 0.6	4 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control ⁷		73 ± 5.2	116 ± 0.3
Positive Control ⁸	160 ± 7.5		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9
Vehicle Control ¹	71 ± 2.5	88 ± 0.9	177 ± 30.1	130 ± 6.1	98 ± 2.1
1.0		90 ± 8.7	140 ± 10.1		
3.3	75 ± 2.7	109 ± 14.3	141 ± 1.9	140 ± 2.9	
10.0	70 ± 3.4	94 ± 17.1	151 ± 6.6	145 ± 4.3	98 ± 6.9
33.0	62 ± 1.8	116 ± 13.9	265 ± 20.2	151 ± 11.3	93 ± 10.0
100.0	5 ± 1.5	61 ± 7.8	159 ± 6.6	137 ± 24.0	105 ± 6.1
150.0					125 ± 4.9
200.0	0 ± 0.0			43 ± 8.1	45 ± 5.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					599 ± 46.2
Positive Control ⁶			975 ± 9.6		
Positive Control ⁷				482 ± 10.4	
Positive Control ⁹	282 ± 16.2	364 ± 27.3			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	187 ± 24.3	102 ± 8.0	123 ± 7.9
1.0	128 ± 10.2		
3.3	149 ± 8.4		114 ± 0.3
10.0	138 ± 14.8	103 ± 6.6	120 ± 7.3
33.0	227 ± 6.2	99 ± 11.6	117 ± 4.2
100.0	313 ± 3.8	103 ± 10.5	129 ± 11.0
150.0		67 ± 2.7	
200.0		23 ± 7.7	90 ± 2.1
Trial Summary	Equivocal	Negative	Negative
Positive Control ⁴	754 ± 1.2	286 ± 14.0	
Positive Control ⁶			
Positive Control ⁷			679 ± 15.8
Positive Control ⁹			

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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 ¹	29 ± 1.9	19 ± 1.5	33 ± 2.5	32 ± 4.6	29 ± 1.5
1.0		15 ± 1.9	36 ± 3.9		30 ± 0.9
3.3	24 ± 4.0	15 ± 0.9	29 ± 5.9	33 ± 2.7	33 ± 1.5
10.0	25 ± 0.3	16 ± 2.0	27 ± 0.3	31 ± 3.8	29 ± 3.0
33.0	21 ± 3.5	20 ± 2.4	32 ± 5.5	29 ± 2.2	29 ± 2.7
100.0	22 ± 3.2	16 ± 1.2	32 ± 4.9	30 ± 2.1	29 ± 2.7
200.0	16 ± 1.2			21 ± 2.8	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					149 ± 11.4
Positive Control ²			109 ± 5.5		
Positive Control ⁵				150 ± 6.0	
Positive Control ¹¹	155 ± 11.9	183 ± 5.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	39 ± 4.6
1.0	
3.3	39 ± 1.8
10.0	32 ± 3.0
33.0	35 ± 4.4
100.0	38 ± 2.0
200.0	27 ± 5.0
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	589 ± 15.8
Positive Control ⁵	
Positive Control ¹¹	

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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: 0.4 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: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****