

Experiment Number: 303754

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Triamterene

CAS Number: 396-01-0

Date Report Requested: 09/12/2018

Time Report Requested: 03:11:59

NTP Study Number:

303754

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	102 ± 0.9	103 ± 2.0	122 ± 8.1	83 ± 7.5	120 ± 9.0
10.0	93 ± 3.4				
33.0	97 ± 4.0	85 ± 1.5	114 ± 6.7	92 ± 11.6	123 ± 8.6
100.0	114 ± 9.0	97 ± 1.2	131 ± 12.5	89 ± 4.3	136 ± 4.6
333.0	96 ± 4.0	102 ± 7.3	113 ± 3.2	90 ± 7.0	134 ± 5.5
1000.0	101 ± 10.4	48 ± 0.7	107 ± 8.1	74 ± 7.6	106 ± 16.3
2000.0			67 ± 9.5 ^p	25 ± 9.6 ^p	25 ± 2.6 ^p
3333.0		9 ± 2.5 ^p			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1443 ± 42.4
Positive Control ³			2051 ± 101.1	1234 ± 16.4	
Positive Control ⁴	2140 ± 29.7	1338 ± 99.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	94 ± 5.2
10.0	
33.0	83 ± 4.6
100.0	97 ± 6.7
333.0	102 ± 4.6
1000.0	68 ± 7.4
2000.0	12 ± 1.9 ^p
3333.0	
Trial Summary	Negative
Positive Control ²	946 ± 33.3
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.6	28 ± 5.0	9 ± 1.9	8 ± 1.7	9 ± 1.8
10.0	9 ± 1.7				
33.0	12 ± 2.7	17 ± 3.3	10 ± 1.2	9 ± 1.5	11 ± 1.2
100.0	12 ± 1.8	19 ± 1.0	9 ± 0.3	8 ± 0.6	8 ± 2.5
333.0	13 ± 2.3	14 ± 1.8	13 ± 2.5	8 ± 1.7	9 ± 1.2
1000.0	5 ± 1.5	3 ± 1.0	8 ± 0.7	5 ± 0.6	8 ± 0.9
2000.0			6 ± 1.2 ^p		6 ± 0.7 ^p
3333.0		1 ± 0.0 ^p		1 ± 0.7 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					107 ± 6.4
Positive Control ³			128 ± 3.5	111 ± 9.6	
Positive Control ⁴	1537 ± 42.2	978 ± 131.0			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.0
10.0	
33.0	9 ± 1.9
100.0	9 ± 1.9
333.0	9 ± 2.3
1000.0	7 ± 1.5
2000.0	
3333.0	0 ± 0.0 ^p
Trial Summary	Negative
Positive Control ²	115 ± 7.4
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5	4 ± 1.2	9 ± 1.2	5 ± 1.5	9 ± 1.5
10.0	8 ± 1.5				
33.0	4 ± 1.8	7 ± 0.3	13 ± 3.5	5 ± 0.9	10 ± 0.9
100.0	10 ± 1.5	3 ± 1.2	8 ± 1.5	5 ± 1.9	12 ± 0.7
333.0	6 ± 1.2	6 ± 1.8	10 ± 0.3	4 ± 0.3	7 ± 1.9
1000.0	5 ± 0.9	2 ± 1.5	9 ± 2.0	4 ± 1.7	6 ± 1.3
2000.0			7 ± 2.3 ^p		4 ± 1.2 ^p
3333.0		0 ± 0.0 ^p		2 ± 0.9 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					166 ± 9.7
Positive Control ³			209 ± 10.7	142 ± 3.2	
Positive Control ⁵	461 ± 51.1	105 ± 9.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3
10.0	
33.0	7 ± 0.7
100.0	7 ± 0.7
333.0	7 ± 0.7
1000.0	3 ± 1.2
2000.0	
3333.0	0 ± 0.3 ^p
Trial Summary	Negative
Positive Control ²	85 ± 2.3
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.3	17 ± 1.5	31 ± 1.0	29 ± 1.2	32 ± 2.0
10.0	16 ± 2.8				
33.0	16 ± 1.5	15 ± 0.9	34 ± 2.5	30 ± 2.0	29 ± 1.8
100.0	18 ± 1.2	13 ± 1.5	39 ± 4.1	25 ± 2.7	22 ± 3.2
333.0	14 ± 1.8	15 ± 1.5	40 ± 0.9	27 ± 2.7	30 ± 2.6
1000.0	17 ± 2.6	15 ± 0.9	28 ± 5.4	21 ± 1.2	20 ± 2.3
2000.0			24 ± 3.4 ^p		19 ± 3.0 ^p
3333.0		9 ± 2.3 ^p		9 ± 3.0 ^p	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					954 ± 24.8
Positive Control ³			1277 ± 21.8	730 ± 54.0	
Positive Control ⁶	2805 ± 16.7	1166 ± 54.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 2.1
10.0	
33.0	26 ± 3.0
100.0	28 ± 2.5
333.0	27 ± 5.3
1000.0	18 ± 1.5
2000.0	
3333.0	14 ± 1.0 ^p
Trial Summary	Negative
Positive Control ²	520 ± 12.7
Positive Control ³	
Positive Control ⁶	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****