

Experiment Number: 190695

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Triamterene

CAS Number: 396-01-0

Date Report Requested: 09/14/2018

Time Report Requested: 01:48:11

NTP Study Number:

190695

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	134 ± 7.3	104 ± 6.8	176 ± 4.3	117 ± 18.0	178 ± 9.0
100.0	106 ± 5.2	111 ± 7.4	126 ± 16.8	132 ± 11.2	167 ± 10.9
333.0	116 ± 6.0	94 ± 1.5	151 ± 15.6	160 ± 6.8	167 ± 7.9
1000.0	108 ± 2.3	107 ± 6.0 ^P	122 ± 19.4	130 ± 4.7 ^P	157 ± 5.0
3333.0	91 ± 5.4 ^P	93 ± 5.9 ^P	77 ± 3.8 ^P	94 ± 14.0 ^P	104 ± 3.7 ^P
10000.0	63 ± 12.3 ^P	55 ± 4.2 ^P	99 ± 6.5 ^P	63 ± 12.7 ^P	104 ± 7.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1468 ± 152.6		1740 ± 159.2
Positive Control ³				2471 ± 176.8	
Positive Control ⁴	1058 ± 172.1	1533 ± 44.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	125 ± 24.8
100.0	107 ± 9.6
333.0	133 ± 7.2
1000.0	133 ± 5.2 ^P
3333.0	142 ± 5.2 ^P
10000.0	108 ± 9.8 ^P
Trial Summary	Negative
Positive Control ²	1936 ± 152.5
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	26 ± 0.9	28 ± 5.4	21 ± 0.9	26 ± 1.5	19 ± 2.0
100.0	27 ± 1.7	25 ± 5.2	20 ± 2.6	23 ± 3.2	12 ± 2.3
333.0	29 ± 1.5	29 ± 2.8	17 ± 1.2	27 ± 3.2	16 ± 1.5
1000.0	26 ± 3.2	31 ± 4.1 ^P	10 ± 0.3	17 ± 0.6 ^P	20 ± 1.2
3333.0	10 ± 1.2 ^P	22 ± 3.6 ^P	4 ± 2.1 ^P	18 ± 0.9 ^P	8 ± 0.6 ^P
10000.0	8 ± 1.2 ^P	15 ± 1.5 ^P	8 ± 0.6 ^P	12 ± 0.9 ^P	5 ± 0.6 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			222 ± 15.7	418 ± 35.9	418 ± 24.6
Positive Control ⁴	1264 ± 245.1	1837 ± 143.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 4.0
100.0	18 ± 0.9
333.0	29 ± 2.6
1000.0	17 ± 4.0 ^p
3333.0	16 ± 0.9 ^p
10000.0	13 ± 1.8 ^p
Trial Summary	Negative
Positive Control ³	439 ± 14.4
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	15 ± 3.1	14 ± 1.2	22 ± 1.9	19 ± 2.6	30 ± 1.2
100.0	10 ± 3.3	13 ± 0.9	27 ± 4.3	15 ± 1.2	28 ± 1.3
333.0	10 ± 1.8	10 ± 0.9	18 ± 5.2	16 ± 2.0	14 ± 2.0
1000.0	11 ± 2.6	10 ± 1.5 ^P	15 ± 1.0 ^P	12 ± 0.6 ^P	15 ± 2.1 ^P
3333.0	6 ± 2.0 ^P	9 ± 0.7 ^P	6 ± 1.5 ^P	9 ± 0.7 ^P	9 ± 2.2 ^P
10000.0	4 ± 0.0 ^P	7 ± 0.9 ^P	7 ± 2.4 ^P	4 ± 0.9 ^P	6 ± 1.5 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			393 ± 45.5	800 ± 40.5	209 ± 28.6
Positive Control ⁵	984 ± 55.2	1000 ± 124.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 2.1
100.0	19 ± 2.5
333.0	17 ± 1.8
1000.0	18 ± 2.0 ^P
3333.0	10 ± 1.2 ^P
10000.0	5 ± 1.2 ^P
Trial Summary	Negative
Positive Control ³	486 ± 16.1
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	37 ± 3.4	42 ± 3.4	37 ± 2.7	38 ± 3.2	47 ± 2.3
100.0	34 ± 3.5	40 ± 2.2	38 ± 3.7	45 ± 6.4	37 ± 3.3
333.0	32 ± 1.8	42 ± 2.3	37 ± 3.7	46 ± 2.6	43 ± 3.5
1000.0	28 ± 6.0	37 ± 5.7 ^P	33 ± 3.1 ^P	31 ± 5.3 ^P	18 ± 4.5 ^P
3333.0	16 ± 1.7 ^P	31 ± 5.2 ^P	22 ± 2.4 ^P	22 ± 4.7 ^P	18 ± 1.3 ^P
10000.0	13 ± 0.9 ^P	26 ± 0.6 ^P	13 ± 3.5 ^P	14 ± 0.9 ^P	10 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			636 ± 59.0	1997 ± 90.0	692 ± 85.2
Positive Control ⁶	171 ± 11.0	444 ± 30.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	46 ± 2.7
100.0	39 ± 2.1
333.0	46 ± 7.5
1000.0	34 ± 1.5 ^P
3333.0	23 ± 2.6 ^P
10000.0	17 ± 2.0 ^P
Trial Summary	Negative
Positive Control ²	1681 ± 148.0
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: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 3.3 ug/Plate Sodium Azide
- 5: 33.0 ug/Plate 9-Aminoacridine
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

** END OF REPORT **