

Experiment Number: 488027

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

G06: Ames Summary Data

Test Compound: **Pheniramine maleate**

CAS Number: 132-20-7

Date Report Requested: 09/11/2018

Time Report Requested: 22:41:42

NTP Study Number:

488027

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	161 ± 9.0	115 ± 12.3	115 ± 1.0	131 ± 4.3	127 ± 5.7
100.0	153 ± 7.8	155 ± 10.7	123 ± 8.0	146 ± 3.8	130 ± 10.7
333.0	137 ± 11.1	151 ± 2.2	127 ± 0.6	127 ± 2.3	126 ± 2.1
1000.0	155 ± 7.0	153 ± 13.3	112 ± 6.1	132 ± 4.3	117 ± 10.8
3333.0	160 ± 6.4	164 ± 12.5	120 ± 7.5	144 ± 3.5	104 ± 6.2
10000.0	174 ± 6.4	165 ± 6.7	130 ± 6.5	144 ± 6.9	115 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	574 ± 22.0	401 ± 11.5			
Positive Control ³			1075 ± 15.5	826 ± 9.8	2319 ± 65.3

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	129 ± 15.8
100.0	147 ± 9.8
333.0	158 ± 1.7
1000.0	143 ± 11.1
3333.0	146 ± 2.7
10000.0	155 ± 21.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1675 ± 91.8

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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	38 ± 7.4	24 ± 3.0	14 ± 0.3	15 ± 2.2	6 ± 1.2
100.0	34 ± 4.3	30 ± 1.2	17 ± 0.7	9 ± 2.0	12 ± 2.3
333.0	40 ± 4.3	28 ± 2.6	13 ± 2.4	8 ± 1.0	13 ± 0.9
1000.0	39 ± 4.8	25 ± 6.4	12 ± 2.0	14 ± 1.7	8 ± 0.6
3333.0	44 ± 6.5	33 ± 4.5	9 ± 1.5	11 ± 3.3	12 ± 1.8
10000.0	60 ± 9.9	35 ± 1.2	10 ± 1.8	6 ± 0.9	7 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	490 ± 20.3	359 ± 18.6			
Positive Control ⁴			385 ± 25.4	215 ± 8.9	626 ± 34.7

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.7
100.0	8 ± 2.0
333.0	8 ± 2.0
1000.0	7 ± 1.7
3333.0	7 ± 1.7
10000.0	6 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	348 ± 22.4

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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	10 ± 2.5	8 ± 2.2	15 ± 1.2	8 ± 2.5	10 ± 1.0
100.0	10 ± 2.2	4 ± 0.3	12 ± 2.4	10 ± 1.0	9 ± 0.3
333.0	2 ± 1.2	4 ± 0.6	10 ± 3.3	10 ± 2.8	7 ± 1.2
1000.0	6 ± 1.5	3 ± 0.3	11 ± 3.9	9 ± 1.8	7 ± 3.2
3333.0	7 ± 0.9	4 ± 0.7	15 ± 1.5	8 ± 2.3	5 ± 0.9
10000.0	7 ± 0.7	4 ± 0.9	10 ± 3.5	8 ± 2.6	6 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			317 ± 29.5	196 ± 7.9	331 ± 7.4
Positive Control ⁵	357 ± 61.6	253 ± 19.9			

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Test Compound: Pheniramine maleate

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 4.4
100.0	5 ± 0.3
333.0	3 ± 0.9
1000.0	6 ± 1.2
3333.0	8 ± 2.1
10000.0	5 ± 0.9
Trial Summary	Negative
Positive Control ⁴	528 ± 17.0
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	28 ± 1.5	15 ± 3.5	32 ± 5.4	30 ± 0.3	34 ± 2.5
100.0	31 ± 3.8	18 ± 1.9	34 ± 5.8	26 ± 5.6	38 ± 3.8
333.0	25 ± 6.5	19 ± 1.3	28 ± 2.2	18 ± 5.5	35 ± 2.6
1000.0	20 ± 1.9	14 ± 3.8	33 ± 4.6	20 ± 2.7	26 ± 4.4
3333.0	29 ± 3.4	23 ± 2.7	36 ± 4.4	24 ± 2.0	32 ± 3.2
10000.0	32 ± 0.3	26 ± 0.6	42 ± 1.7	21 ± 2.1	27 ± 5.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			918 ± 18.0	560 ± 32.1	2462 ± 94.3
Positive Control ⁶	913 ± 40.5	799 ± 20.5			

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Test Compound: Pheniramine maleate

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	33 ± 3.5
100.0	23 ± 3.0
333.0	22 ± 4.2
1000.0	20 ± 0.3
3333.0	25 ± 7.4
10000.0	27 ± 3.0
Trial Summary	Negative
Positive Control ³	1326 ± 23.1
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: Water

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****