

Experiment Number: **511918**

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

G06: Ames Summary Data

Test Compound: **Pyrazinamide**

CAS Number: **98-96-4**

Date Report Requested: **09/12/2018**

Time Report Requested: **11:23:55**

NTP Study Number:

511918

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	131 ± 9.5	102 ± 5.6	160 ± 4.0	112 ± 2.5	158 ± 8.5
100.0	136 ± 13.7	101 ± 6.9	160 ± 5.8	110 ± 3.6	104 ± 4.3
333.3	126 ± 15.1	100 ± 8.3	157 ± 4.2	104 ± 14.5	130 ± 6.5
1000.0	115 ± 6.4	94 ± 8.5	140 ± 7.0	88 ± 7.3	121 ± 8.4
3333.3	129 ± 10.8	86 ± 14.8	128 ± 9.6	102 ± 9.3	110 ± 11.0
10000.0	125 ± 10.6	81 ± 8.5	117 ± 11.5	96 ± 1.5	117 ± 3.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	394 ± 21.7	281 ± 4.9			
Positive Control ³			781 ± 18.7	408 ± 17.8	1170 ± 20.6

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	117 ± 4.6
100.0	99 ± 10.7
333.3	114 ± 11.6
1000.0	115 ± 7.0
3333.3	106 ± 8.9
10000.0	99 ± 8.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1464 ± 84.3

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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	17 ± 0.9	12 ± 2.5	8 ± 0.6	13 ± 1.8	7 ± 1.3
100.0	13 ± 3.0	10 ± 1.7	9 ± 1.2	6 ± 1.2	7 ± 1.9
333.3	17 ± 1.8	10 ± 2.7	5 ± 2.0	10 ± 2.0	12 ± 3.2
1000.0	15 ± 1.3	10 ± 0.6	7 ± 1.5	7 ± 1.2	9 ± 0.3
3333.3	18 ± 3.3	12 ± 1.7	6 ± 0.6	8 ± 2.3	6 ± 0.9
10000.0	16 ± 2.6	10 ± 2.0	6 ± 0.9	6 ± 0.6	7 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	464 ± 15.5	170 ± 3.9			
Positive Control ⁴			185 ± 24.7	163 ± 12.4	258 ± 19.2

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.7
100.0	6 ± 0.7
333.3	5 ± 0.3
1000.0	8 ± 2.9
3333.3	7 ± 0.7
10000.0	4 ± 0.3
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	333 ± 16.4

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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 ± 0.9	4 ± 0.0	5 ± 1.2	4 ± 1.2	7 ± 1.7
100.0	5 ± 1.9	5 ± 1.2	8 ± 3.3	6 ± 1.2	6 ± 0.7
333.3	5 ± 2.1	5 ± 0.7	9 ± 1.5	4 ± 1.5	6 ± 0.7
1000.0	5 ± 0.9	6 ± 1.8	6 ± 0.9	5 ± 1.5	6 ± 0.7
3333.3	5 ± 0.9	7 ± 2.5	9 ± 1.8	3 ± 0.9	5 ± 0.9
10000.0	5 ± 1.7	5 ± 0.3	10 ± 2.9	4 ± 0.9	5 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			160 ± 31.0	81 ± 12.7	302 ± 8.2
Positive Control ⁵	107 ± 36.4	122 ± 40.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.0
100.0	7 ± 1.5
333.3	5 ± 1.9
1000.0	6 ± 1.2
3333.3	5 ± 0.9
10000.0	5 ± 0.0
Trial Summary	Negative
Positive Control ⁴	251 ± 3.8
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	29 ± 6.0	22 ± 1.0	33 ± 2.7	32 ± 2.3	36 ± 2.0
100.0	31 ± 0.3	29 ± 4.8	34 ± 1.9	32 ± 3.5	32 ± 1.9
333.3	36 ± 6.0	26 ± 0.3	35 ± 2.3	24 ± 2.0	41 ± 1.0
1000.0	32 ± 5.5	24 ± 1.8	34 ± 5.3	32 ± 2.0	37 ± 3.5
3333.3	27 ± 3.8	21 ± 1.5	34 ± 3.6	33 ± 2.3	34 ± 3.3
10000.0	30 ± 1.5	27 ± 2.0	31 ± 4.1	28 ± 2.0	37 ± 6.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			537 ± 33.4	222 ± 30.0	752 ± 47.4
Positive Control ⁶	744 ± 68.2	438 ± 3.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 5.3
100.0	30 ± 5.9
333.3	37 ± 3.5
1000.0	33 ± 4.0
3333.3	23 ± 3.1
10000.0	37 ± 4.8
Trial Summary	Negative
Positive Control ³	1196 ± 47.3
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: 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 ****