

Experiment Number: **A01340**

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

G06: Ames Summary Data

Test Compound: **Paraldehyde**

CAS Number: **123-63-7**

Date Report Requested: **09/15/2018**

Time Report Requested: **11:12:03**

NTP Study Number:

A01340

Study Result:

Positive

Experiment Number: A01340
 Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
 Test Compound: Paraldehyde
 CAS Number: 123-63-7

Date Report Requested: 09/15/2018
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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	118 ± 9.0	111 ± 10.8	143 ± 9.0	117 ± 7.7
100.0	120 ± 1.8		127 ± 6.0	105 ± 4.1
333.0	117 ± 5.5	107 ± 4.4	125 ± 41.5	108 ± 4.1
1000.0	124 ± 3.3	102 ± 9.1	124 ± 12.3	115 ± 4.1
3333.0	161 ± 4.0	178 ± 4.6	124 ± 8.0	106 ± 6.7
5000.0		186 ± 16.5		
10000.0	201 ± 22.7	37 ± 3.2 ^s	124 ± 9.0	110 ± 6.2
Trial Summary	Positive	Weakly Positive	Negative	Negative
Positive Control ²	361 ± 19.4	244 ± 5.4		
Positive Control ³				520 ± 70.6
Positive Control ⁴			771 ± 18.0	

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Strain: TA1535

Dose (ug/Plate)	Without S9
Vehicle Control ¹	19 ± 3.7
333.0	13 ± 0.9
1000.0	18 ± 3.0
3333.0	18 ± 1.7
5000.0	25 ± 3.2
10000.0	12 ± 6.2
Trial Summary	Positive
Positive Control ²	207 ± 12.1

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	67 ± 33.4	131 ± 8.4	157 ± 6.8	239 ± 5.5
100.0	105 ± 2.5	122 ± 8.2	154 ± 9.0	247 ± 4.9
333.0	108 ± 6.1	131 ± 4.8	174 ± 14.2	153 ± 5.2
1000.0	147 ± 11.8	101 ± 9.0	193 ± 16.3	164 ± 20.9
3333.0	359 ± 34.9	266 ± 16.9	171 ± 5.5	188 ± 14.2
10000.0	467 ± 17.7	648 ± 19.8	197 ± 8.3	221 ± 6.1
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ⁴			570 ± 41.3	846 ± 15.7
Positive Control ⁵	231 ± 9.6	264 ± 28.3		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	35 ± 1.5	51 ± 2.9	39 ± 4.6
100.0	38 ± 2.6	41 ± 7.0	46 ± 6.4
333.0	28 ± 3.2	40 ± 3.5	47 ± 14.3
1000.0	28 ± 2.0	41 ± 1.5	35 ± 1.9
3333.0	32 ± 2.2	46 ± 7.3	45 ± 1.0
10000.0	49 ± 6.2	37 ± 2.6	38 ± 0.7
Trial Summary	Negative	Negative	Negative
Positive Control ³		365 ± 28.4	699 ± 66.9
Positive Control ⁶	300 ± 1.5		

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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: 0.5 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 24.0 ug/Plate 9-Aminoacridine
- 6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **