

Experiment Number: **182912**

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

G06: Ames Summary Data

Test Compound: **Triethyl phosphate**

CAS Number: **78-40-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **19:14:02**

NTP Study Number:

182912

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	118 ± 4.0	97 ± 2.0	117 ± 6.7	109 ± 1.9	127 ± 8.0
100.0	138 ± 8.2	110 ± 11.4	115 ± 11.2	124 ± 11.0	137 ± 3.6
333.0	127 ± 14.0	103 ± 3.2	123 ± 4.6	132 ± 10.3	136 ± 14.6
1000.0	118 ± 4.8	97 ± 8.6	104 ± 4.9	138 ± 8.0	143 ± 6.8
3333.0	133 ± 6.4	106 ± 5.0	117 ± 4.4	129 ± 7.1	146 ± 5.9
10000.0	121 ± 5.4	98 ± 1.2	112 ± 1.7	135 ± 8.3	134 ± 5.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	375 ± 2.0	221 ± 20.9			
Positive Control ³			500 ± 27.7	215 ± 10.6	1516 ± 77.3

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	98 ± 3.2
100.0	124 ± 8.4
333.0	129 ± 12.9
1000.0	123 ± 9.2
3333.0	136 ± 5.8
10000.0	125 ± 14.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	446 ± 28.7

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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	28 ± 0.6	15 ± 1.2	9 ± 0.3	11 ± 0.9	12 ± 0.9
100.0	29 ± 2.0	19 ± 3.2	10 ± 1.7	11 ± 2.3	15 ± 1.5
333.0	41 ± 1.5	20 ± 3.0	10 ± 1.5	11 ± 3.2	17 ± 2.3
1000.0	39 ± 3.5	23 ± 2.3	10 ± 2.7	9 ± 1.5	18 ± 1.5
3333.0	34 ± 5.2	19 ± 1.9	10 ± 2.2	8 ± 0.9	13 ± 1.0
10000.0	40 ± 2.3	17 ± 2.2	7 ± 0.7	8 ± 0.6	10 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	341 ± 7.2	180 ± 2.1			
Positive Control ⁴			287 ± 35.3	137 ± 0.6	483 ± 4.5

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 0.9
100.0	9 ± 2.0
333.0	13 ± 1.0
1000.0	10 ± 2.6
3333.0	16 ± 0.3
10000.0	10 ± 2.6
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	114 ± 7.3

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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	5 ± 0.9	5 ± 0.6	8 ± 0.3	4 ± 0.6	8 ± 1.3
100.0	8 ± 0.3	4 ± 0.3	7 ± 0.3	6 ± 1.2	7 ± 1.5
333.0	4 ± 1.5	6 ± 1.2	8 ± 1.5	9 ± 0.3	8 ± 1.0
1000.0	4 ± 0.9	3 ± 0.3	6 ± 1.5	6 ± 1.7	8 ± 0.7
3333.0	7 ± 1.0	4 ± 1.0	6 ± 1.0	6 ± 2.0	8 ± 1.0
10000.0	5 ± 0.7	5 ± 1.8	9 ± 1.8	6 ± 1.9	4 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			174 ± 7.8	105 ± 5.0	473 ± 16.9
Positive Control ⁵	84 ± 12.5	86 ± 4.9			

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Date Report Requested: 09/13/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.6
100.0	6 ± 1.2
333.0	7 ± 1.7
1000.0	6 ± 0.6
3333.0	7 ± 1.7
10000.0	7 ± 0.9
Trial Summary	Negative
Positive Control ⁴	135 ± 17.5
Positive Control ⁵	

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Date Report Requested: 09/13/2018

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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	15 ± 1.5	14 ± 1.5	27 ± 0.3	27 ± 0.6	27 ± 2.2
100.0	18 ± 5.0	14 ± 2.6	32 ± 0.3	25 ± 2.8	34 ± 2.3
333.0	16 ± 2.1	9 ± 2.3	29 ± 5.5	21 ± 2.9	34 ± 3.2
1000.0	18 ± 0.6	12 ± 1.7	37 ± 3.5	22 ± 3.2	33 ± 4.4
3333.0	16 ± 1.8	12 ± 1.5	30 ± 1.3	23 ± 3.6	34 ± 3.2
10000.0	14 ± 1.7	10 ± 1.9	22 ± 1.8	18 ± 1.2	35 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			398 ± 8.4	118 ± 7.0	1033 ± 95.2
Positive Control ⁶	646 ± 17.0	430 ± 4.6			

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Date Report Requested: 09/13/2018

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	21 ± 1.9
100.0	27 ± 3.3
333.0	30 ± 0.3
1000.0	21 ± 2.3
3333.0	27 ± 3.0
10000.0	22 ± 4.6
Trial Summary	Negative
Positive Control ³	338 ± 5.2
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 ****