

Experiment Number: 315810

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

G06: Ames Summary Data

Test Compound: **Sodium phosphate, dibasic**

CAS Number: 7558-79-4

Date Report Requested: 09/12/2018

Time Report Requested: 09:17:40

NTP Study Number:

315810

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	201 ± 3.8	92 ± 4.5	226 ± 9.6	128 ± 2.7	267 ± 17.1
10.0	201 ± 4.1	88 ± 3.2	220 ± 21.7	112 ± 7.0	261 ± 8.4
33.0	205 ± 7.2	90 ± 3.1	219 ± 13.4	110 ± 7.4	251 ± 9.1
100.0	173 ± 16.7	109 ± 22.4	189 ± 8.1	124 ± 10.1	236 ± 10.0
333.0	202 ± 5.6	84 ± 5.2	185 ± 3.2	117 ± 6.4	255 ± 7.9
1000.0	187 ± 0.7	77 ± 4.6	220 ± 9.8	139 ± 11.3	264 ± 16.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			689 ± 76.5	904 ± 165.7	1049 ± 57.2
Positive Control ³	434 ± 5.5	367 ± 35.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	151 ± 8.0
10.0	182 ± 49.5
33.0	146 ± 2.0
100.0	126 ± 4.7
333.0	139 ± 4.4
1000.0	147 ± 7.8
Trial Summary	Negative
Positive Control ²	1275 ± 147.0
Positive Control 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	11 ± 2.0	8 ± 1.5	15 ± 3.0	15 ± 2.0	13 ± 3.6
10.0	11 ± 2.0	8 ± 1.5	15 ± 1.7	16 ± 1.7	12 ± 2.0
33.0	13 ± 1.2	9 ± 0.9	10 ± 2.0	11 ± 2.2	16 ± 2.0
100.0	15 ± 2.3	11 ± 1.7	8 ± 1.5	8 ± 1.7	12 ± 1.5
333.0	9 ± 2.4	4 ± 0.9	11 ± 1.7	12 ± 1.7	15 ± 2.9
1000.0	10 ± 0.7	8 ± 0.0	11 ± 1.7	12 ± 2.0	20 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			59 ± 21.0	44 ± 9.7	62 ± 6.4
Positive Control ³	268 ± 24.9	255 ± 18.0			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.0
10.0	8 ± 1.5
33.0	11 ± 1.5
100.0	8 ± 2.0
333.0	10 ± 2.0
1000.0	13 ± 1.3
Trial Summary	Negative
Positive Control ²	69 ± 6.2
Positive Control 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	6 ± 0.9	8 ± 1.2	5 ± 1.5	6 ± 0.6	9 ± 1.8
10.0	4 ± 1.0	7 ± 1.5	5 ± 0.3	7 ± 0.7	7 ± 1.5
33.0	6 ± 1.8	6 ± 1.0	5 ± 1.5	7 ± 1.8	5 ± 0.0
100.0	4 ± 0.3	5 ± 0.3	6 ± 1.7	8 ± 0.6	5 ± 0.3
333.0	5 ± 0.7	8 ± 0.5	3 ± 1.9	8 ± 2.3	7 ± 2.3
1000.0	3 ± 0.7	6 ± 1.5	6 ± 0.9	8 ± 0.3	6 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			51 ± 14.6	31 ± 2.3	82 ± 11.7
Positive Control ⁴	60 ± 19.7	214 ± 26.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.7
10.0	6 ± 0.3
33.0	5 ± 0.6
100.0	7 ± 1.5
333.0	6 ± 0.3
1000.0	8 ± 1.8
Trial Summary	Negative
Positive Control ²	60 ± 11.7
Positive Control ⁴	

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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	12 ± 1.2	13 ± 0.3	19 ± 1.7	14 ± 2.7	19 ± 4.1
10.0	9 ± 1.5	16 ± 3.0	16 ± 1.3	12 ± 0.3	16 ± 3.2
33.0	13 ± 0.7	17 ± 1.8	15 ± 2.0	11 ± 0.3	20 ± 1.5
100.0	12 ± 0.9	14 ± 3.8	12 ± 3.1	19 ± 0.9	17 ± 1.3
333.0	10 ± 0.9	12 ± 0.7	10 ± 1.0	19 ± 2.0	12 ± 1.2
1000.0	10 ± 1.5	14 ± 1.3	15 ± 2.4	13 ± 1.5	13 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			269 ± 6.8	151 ± 17.0	752 ± 57.8
Positive Control ⁵	119 ± 13.1	264 ± 26.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.2
10.0	16 ± 0.9
33.0	16 ± 2.0
100.0	13 ± 3.8
333.0	15 ± 3.4
1000.0	14 ± 2.8
Trial Summary	Negative
Positive Control ²	479 ± 69.6
Positive Control 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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****