

Experiment Number: 935641

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

**G06: Ames Summary Data**

Test Compound: **Sodium phosphate, dibasic**

CAS Number: 7558-79-4

Date Report Requested: **09/17/2018**

Time Report Requested: **12:04:14**

**NTP Study Number:**

935641

**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 <sup>1</sup>	99 ± 3.5	159 ± 7.4	100 ± 4.6	158 ± 4.1	123 ± 10.6
100.0	138 ± 13.5	174 ± 4.8	140 ± 17.3	154 ± 22.1	119 ± 6.5
333.0	129 ± 10.4	181 ± 3.8	141 ± 10.7	149 ± 6.7	137 ± 6.4
1000.0	136 ± 8.1	178 ± 12.2	138 ± 4.9	158 ± 8.0	131 ± 4.7
3333.0	137 ± 4.5	181 ± 10.3	111 ± 6.8	135 ± 3.9	148 ± 16.3
10000.0	139 ± 7.3	180 ± 15.7	130 ± 10.7	155 ± 5.0	136 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	239 ± 4.3	471 ± 17.5			
Positive Control <sup>3</sup>			838 ± 11.3	1262 ± 54.6	655 ± 67.7

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	155 ± 2.9
100.0	160 ± 3.2
333.0	164 ± 10.5
1000.0	161 ± 11.0
3333.0	160 ± 7.2
10000.0	162 ± 11.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1584 ± 55.1

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	22 ± 3.1	32 ± 3.0	6 ± 1.0	16 ± 1.5	7 ± 2.3
100.0	47 ± 1.2	26 ± 2.4	10 ± 2.2	14 ± 2.6	15 ± 4.3
333.0	39 ± 1.5	24 ± 1.7	14 ± 1.5	12 ± 1.9	11 ± 2.2
1000.0	43 ± 4.7	26 ± 2.7	13 ± 3.9	17 ± 1.5	14 ± 1.2
3333.0	41 ± 1.2	22 ± 5.0	17 ± 2.2	17 ± 1.8	12 ± 1.8
10000.0	46 ± 2.2	24 ± 4.0	11 ± 2.3	17 ± 1.2	15 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	245 ± 8.6	359 ± 12.5			
Positive Control <sup>4</sup>			235 ± 16.5	438 ± 30.3	414 ± 22.7

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	15 ± 3.2
100.0	16 ± 1.5
333.0	19 ± 1.5
1000.0	18 ± 2.5
3333.0	16 ± 1.5
10000.0	20 ± 3.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	505 ± 13.2

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	9 ± 3.7	13 ± 0.7	5 ± 0.9	16 ± 1.9	7 ± 1.2
100.0	13 ± 2.4	10 ± 2.2	11 ± 3.8	23 ± 2.8	18 ± 1.0
333.0	5 ± 0.9	7 ± 1.2	16 ± 4.6	18 ± 1.3	13 ± 2.9
1000.0	12 ± 2.0	11 ± 4.2	14 ± 3.3	15 ± 1.5	16 ± 2.2
3333.0	7 ± 3.5	12 ± 0.3	10 ± 3.1	17 ± 2.2	19 ± 3.2
10000.0	11 ± 3.2	13 ± 4.1	13 ± 0.7	16 ± 2.0	13 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			342 ± 11.6	491 ± 60.8	487 ± 13.7
Positive Control <sup>5</sup>	265 ± 38.2	215 ± 8.4			

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 1.0
100.0	17 ± 1.2
333.0	13 ± 2.2
1000.0	17 ± 1.2
3333.0	17 ± 2.1
10000.0	16 ± 5.6
Trial Summary	Negative
Positive Control <sup>4</sup>	559 ± 5.5
Positive Control <sup>5</sup>	

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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 <sup>1</sup>	19 ± 3.1	30 ± 1.5	21 ± 2.3	44 ± 3.7	29 ± 5.8
100.0	25 ± 5.9	31 ± 0.9	37 ± 3.2	47 ± 2.0	35 ± 3.7
333.0	11 ± 3.2	31 ± 2.6	25 ± 3.1	50 ± 10.0	33 ± 4.7
1000.0	18 ± 1.7	28 ± 1.5	21 ± 2.9	42 ± 7.2	36 ± 3.6
3333.0	27 ± 3.2	37 ± 2.0	23 ± 5.0	40 ± 5.9	31 ± 1.5
10000.0	15 ± 6.0	29 ± 1.7	26 ± 5.6	39 ± 2.4	43 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			567 ± 23.3	1031 ± 178.1	1325 ± 36.0
Positive Control <sup>6</sup>	595 ± 22.1	815 ± 4.9			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	42 ± 1.7
100.0	51 ± 4.4
333.0	62 ± 5.2
1000.0	74 ± 1.5
3333.0	48 ± 3.2
10000.0	51 ± 0.9
Trial Summary	Negative
Positive Control <sup>3</sup>	1393 ± 120.7
Positive Control <sup>6</sup>	

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**LEGEND**

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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 \*\***