

Experiment Number: 516634

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: 17:10:32

**NTP Study Number:**

516634

**Study Result:**

Negative

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**Strain: TA100**

<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>	76 ± 4.3	121 ± 2.2	108 ± 14.8	133 ± 5.9	111 ± 3.8
100.0	77 ± 9.4	115 ± 6.2	98 ± 5.5	138 ± 8.1	88 ± 8.7
333.0	75 ± 1.5	93 ± 4.6	111 ± 1.5	141 ± 11.4	98 ± 3.4
1000.0	80 ± 0.9	103 ± 4.0	96 ± 16.1	113 ± 5.8	96 ± 3.5
3333.0	76 ± 2.4	95 ± 4.5	106 ± 9.3	124 ± 4.3	79 ± 0.7
10000.0	72 ± 2.1	103 ± 5.2	101 ± 11.9	123 ± 3.5	86 ± 7.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			999 ± 101.6	1001 ± 112.9	1720 ± 42.3
Positive Control <sup>3</sup>	793 ± 47.9	585 ± 40.5			

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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>	136 ± 5.2
100.0	120 ± 6.7
333.0	131 ± 5.1
1000.0	122 ± 7.9
3333.0	131 ± 2.9
10000.0	131 ± 6.4
Trial Summary	Negative
Positive Control <sup>2</sup>	1915 ± 139.3
Positive Control <sup>3</sup>	

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## G06: Ames Summary Data

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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 <sup>1</sup>	4 ± 0.6	5 ± 0.3	5 ± 0.3	7 ± 1.3	5 ± 1.9
100.0	5 ± 0.9	4 ± 0.9	3 ± 0.3	7 ± 0.7	5 ± 0.7
333.0	4 ± 1.0	6 ± 2.6	5 ± 0.9	5 ± 0.9	5 ± 1.5
1000.0	6 ± 0.9	6 ± 1.5	3 ± 1.2	6 ± 2.3	6 ± 0.6
3333.0	5 ± 0.3	7 ± 1.2	6 ± 0.7	7 ± 1.5	7 ± 1.2
10000.0	6 ± 0.7	7 ± 2.7	5 ± 1.3	7 ± 1.5	6 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			24 ± 1.0	51 ± 0.7	65 ± 2.5
Positive Control <sup>3</sup>	668 ± 13.3	623 ± 19.8			

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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>	7 ± 1.5
100.0	8 ± 1.0
333.0	6 ± 0.0
1000.0	2 ± 0.3
3333.0	7 ± 2.2
10000.0	7 ± 1.7
Trial Summary	Negative
Positive Control <sup>2</sup>	160 ± 11.1
Positive Control <sup>3</sup>	

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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 <sup>1</sup>	3 ± 0.6	3 ± 0.7	10 ± 2.0	11 ± 1.5	10 ± 1.7
100.0	7 ± 2.1	2 ± 0.7	3 ± 0.6	9 ± 0.3	7 ± 1.5
333.0	3 ± 0.9	4 ± 1.2	6 ± 0.9	9 ± 1.5	5 ± 1.2
1000.0	5 ± 2.3	2 ± 0.6	4 ± 0.7	6 ± 1.2	3 ± 0.6
3333.0	5 ± 0.3	4 ± 1.7	4 ± 0.9	8 ± 1.0	4 ± 1.5
10000.0	3 ± 1.5	3 ± 0.3	7 ± 1.5	6 ± 1.5	4 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			38 ± 12.1	73 ± 11.8	132 ± 6.6
Positive Control <sup>4</sup>	48 ± 5.8	247 ± 99.6			

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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>	8 ± 0.9
100.0	6 ± 2.0
333.0	8 ± 1.9
1000.0	6 ± 0.7
3333.0	9 ± 0.9
10000.0	8 ± 2.0
Trial Summary	Negative
Positive Control <sup>2</sup>	38 ± 3.0
Positive Control <sup>4</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>	6 ± 1.7	13 ± 2.5	7 ± 1.7	20 ± 0.3	8 ± 2.2
100.0	10 ± 0.9	9 ± 1.9	5 ± 1.2	20 ± 2.7	7 ± 1.9
333.0	5 ± 0.9	8 ± 2.1	11 ± 1.7	13 ± 2.0	11 ± 1.5
1000.0	7 ± 0.3	8 ± 2.5	8 ± 0.9	16 ± 2.3	12 ± 3.0
3333.0	7 ± 0.9	11 ± 0.9	8 ± 2.0	20 ± 3.8	10 ± 1.8
10000.0	7 ± 0.9	11 ± 1.2	9 ± 1.0	18 ± 4.0	8 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			409 ± 62.6	836 ± 161.8	803 ± 7.8
Positive Control <sup>5</sup>	191 ± 13.0	234 ± 36.7			



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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>	18 ± 3.8
100.0	20 ± 3.7
333.0	14 ± 2.6
1000.0	16 ± 0.6
3333.0	17 ± 1.7
10000.0	11 ± 0.7
Trial Summary	Negative
Positive Control <sup>2</sup>	1442 ± 86.7
Positive Control <sup>5</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 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 \*\***