

Experiment Number: 393331

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

**G06: Ames Summary Data**

Test Compound: **2-Aminopyridine**

CAS Number: **504-29-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **10:45:20**

**NTP Study Number:**

393331

**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>	87 ± 3.8	94 ± 2.3	99 ± 15.0	165 ± 5.4	144 ± 7.5
100.0	87 ± 4.1	108 ± 5.5	111 ± 4.9	143 ± 7.4	138 ± 13.3
333.0	76 ± 3.3	106 ± 3.2	138 ± 2.6	144 ± 2.5	153 ± 10.8
1000.0	82 ± 1.5	104 ± 7.0	125 ± 10.4	128 ± 2.0	126 ± 9.2
3333.0	80 ± 4.3	97 ± 3.0	127 ± 14.5	151 ± 8.1	144 ± 15.5
10000.0	87 ± 7.2	84 ± 5.0	111 ± 14.7	147 ± 3.8	119 ± 8.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1961 ± 286.8	1133 ± 100.6	2349 ± 53.9
Positive Control <sup>3</sup>	1126 ± 80.6	1406 ± 35.8			

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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 ± 9.6
100.0	130 ± 10.1
333.0	162 ± 4.2
1000.0	152 ± 8.0
3333.0	157 ± 5.2
10000.0	140 ± 22.0
Trial Summary	Negative
Positive Control <sup>2</sup>	1503 ± 99.9
Positive Control <sup>3</sup>	

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**Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	5 ± 1.2	17 ± 2.4	8 ± 0.7	9 ± 2.1	10 ± 2.5
100.0	4 ± 0.7	12 ± 2.4	5 ± 1.2	14 ± 1.8	14 ± 1.3
333.0	5 ± 0.3	15 ± 1.5	8 ± 0.9	17 ± 2.6	10 ± 0.3
1000.0	2 ± 0.3	14 ± 2.1	4 ± 1.0	15 ± 2.7	11 ± 2.0
3333.0	4 ± 1.2	9 ± 1.3	6 ± 0.0	18 ± 1.0	11 ± 3.5
10000.0	Toxic	Toxic	4 ± 1.0	14 ± 1.2	9 ± 1.2
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>4</sup>			77 ± 39.2	260 ± 35.0	240 ± 20.9
Positive Control <sup>3</sup>	815 ± 37.6	978 ± 54.8			

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 1.2	15 ± 1.9
100.0	6 ± 1.2	13 ± 1.3
333.0	7 ± 0.3	25 ± 1.9
1000.0	8 ± 2.4	14 ± 1.8
3333.0	4 ± 1.0	14 ± 2.6
10000.0	6 ± 1.5	8 ± 0.9
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>	133 ± 24.5	396 ± 22.5
Positive Control <sup>3</sup>		

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Test Compound: 2-Aminopyridine

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	7 ± 2.3	9 ± 0.9	9 ± 1.9	10 ± 2.6	14 ± 2.2
33.0		8 ± 0.9	7 ± 1.5		
100.0	4 ± 1.2	10 ± 2.6	6 ± 0.3	6 ± 1.2	10 ± 0.9
333.0	3 ± 0.0	7 ± 1.2	7 ± 2.2	9 ± 2.1	16 ± 1.5
1000.0	3 ± 0.3	7 ± 1.3	11 ± 2.0	7 ± 1.0	11 ± 1.9
3333.0	Toxic	9 ± 1.9	8 ± 0.3	7 ± 2.2	14 ± 0.9
10000.0	0 ± 0.3			5 ± 1.3	11 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>				145 ± 12.2	108 ± 11.7
Positive Control <sup>5</sup>	1121 ± 64.8	565 ± 61.6	195 ± 15.0		

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 1.7	17 ± 2.0
33.0		
100.0	5 ± 0.9	18 ± 2.7
333.0	7 ± 0.0	15 ± 1.8
1000.0	6 ± 1.9	17 ± 2.0
3333.0	5 ± 0.7	10 ± 1.8
10000.0	7 ± 1.7	11 ± 0.9
Trial Summary	Negative	Negative
Positive Control <sup>4</sup>	152 ± 9.2	111 ± 14.3
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>	15 ± 0.3	26 ± 3.2	15 ± 1.5	39 ± 2.1	17 ± 3.2
100.0	14 ± 0.9	21 ± 3.3	22 ± 2.0	36 ± 7.1	19 ± 3.7
333.0	15 ± 1.5	21 ± 1.2	25 ± 1.0	24 ± 3.7	14 ± 0.9
1000.0	13 ± 0.9	18 ± 2.2	24 ± 3.5	32 ± 0.7	23 ± 2.9
3333.0	19 ± 1.8	25 ± 5.0	18 ± 2.9	26 ± 2.3	14 ± 0.9
10000.0	18 ± 3.8	21 ± 2.4	15 ± 2.3	22 ± 1.8	22 ± 3.1
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control <sup>2</sup>			898 ± 47.1	1136 ± 86.9	930 ± 173.3
Positive Control <sup>6</sup>	220 ± 11.4	201 ± 5.8			



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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>	37 ± 4.8
100.0	35 ± 4.3
333.0	40 ± 2.8
1000.0	35 ± 5.8
3333.0	33 ± 2.6
10000.0	32 ± 2.8
Trial Summary	Negative
Positive Control <sup>2</sup>	872 ± 70.1
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 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***