

Experiment Number: 831816

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

**G06: Ames Summary Data**

Test Compound: **Polyvinylpyrrolidone polymers**

CAS Number: **9003-39-8**

Date Report Requested: **09/15/2018**

Time Report Requested: **19:31:15**

**NTP Study Number:**

831816

**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>	80 ± 3.8	85 ± 5.4	92 ± 3.2	129 ± 7.2	122 ± 9.7
100.0	89 ± 6.5	91 ± 10.9	75 ± 12.0	151 ± 5.0	104 ± 8.2
333.0	87 ± 1.5	91 ± 4.7	105 ± 10.1	132 ± 17.2	112 ± 11.2
1000.0	87 ± 6.4	95 ± 10.4	111 ± 13.6	115 ± 6.7	121 ± 12.4
3333.0	87 ± 3.3	99 ± 7.2	108 ± 5.8	120 ± 10.3	123 ± 7.5
10000.0	82 ± 2.3	94 ± 7.9	101 ± 5.5	116 ± 15.0	120 ± 16.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			2463 ± 246.2	1222 ± 69.2	2331 ± 94.6
Positive Control <sup>3</sup>	1591 ± 37.8	1000 ± 27.9			

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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>	140 ± 4.3
100.0	143 ± 7.3
333.0	136 ± 7.0
1000.0	106 ± 9.4
3333.0	130 ± 14.1
10000.0	127 ± 16.8
Trial Summary	Negative
Positive Control <sup>2</sup>	1875 ± 74.3
Positive Control <sup>3</sup>	

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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>	4 ± 0.9	8 ± 0.0	4 ± 0.6	12 ± 1.7	5 ± 0.0
100.0	5 ± 0.3	7 ± 2.9	8 ± 2.9	8 ± 0.9	4 ± 0.7
333.0	5 ± 1.3	4 ± 1.2	6 ± 0.6	6 ± 1.2	8 ± 1.2
1000.0	7 ± 2.6	4 ± 0.3	5 ± 1.2	7 ± 1.5	7 ± 2.5
3333.0	3 ± 1.0	4 ± 0.6	4 ± 0.7	7 ± 1.5	6 ± 1.0
10000.0	4 ± 1.3	5 ± 1.7	5 ± 1.2	7 ± 1.0	4 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			194 ± 4.5	126 ± 10.7	250 ± 20.3
Positive Control <sup>3</sup>	347 ± 32.5	565 ± 39.9			

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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>	8 ± 1.8
100.0	9 ± 1.2
333.0	11 ± 2.0
1000.0	8 ± 2.5
3333.0	5 ± 0.6
10000.0	8 ± 0.9
Trial Summary	Negative
Positive Control <sup>4</sup>	163 ± 15.7
Positive Control <sup>3</sup>	

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Test Compound: Polyvinylpyrrolidone polymers  
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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>	7 ± 0.7	5 ± 0.9	9 ± 2.7	7 ± 2.6	7 ± 0.9
100.0	6 ± 0.3	5 ± 0.3	7 ± 0.7	7 ± 1.2	8 ± 2.4
333.0	7 ± 2.6	4 ± 1.2	7 ± 0.3	7 ± 1.3	9 ± 2.0
1000.0	8 ± 1.3	2 ± 0.3	7 ± 1.7	4 ± 1.0	5 ± 2.1
3333.0	3 ± 1.3	3 ± 1.2	8 ± 1.7	5 ± 1.2	9 ± 0.9
10000.0	4 ± 0.6	4 ± 0.3	9 ± 2.0	7 ± 1.3	11 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			32 ± 8.3	204 ± 6.8	120 ± 38.0
Positive Control <sup>5</sup>	217 ± 9.3	640 ± 35.3			

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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	5 ± 1.0
333.0	5 ± 0.3
1000.0	7 ± 0.3
3333.0	9 ± 0.6
10000.0	7 ± 0.3
Trial Summary	Negative
Positive Control <sup>4</sup>	231 ± 15.6
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>	16 ± 1.5	14 ± 1.2	16 ± 0.9	12 ± 2.0	21 ± 3.2
100.0	14 ± 2.3	9 ± 1.7	17 ± 0.9	16 ± 2.3	18 ± 1.5
333.0	14 ± 1.5	13 ± 1.2	19 ± 1.2	15 ± 1.2	13 ± 2.6
1000.0	15 ± 1.5	14 ± 1.5	15 ± 1.3	15 ± 1.2	18 ± 2.0
3333.0	12 ± 0.6	11 ± 0.9	15 ± 1.5	19 ± 1.9	14 ± 1.3
10000.0	12 ± 4.1	12 ± 2.1	17 ± 0.7	17 ± 2.4	18 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			1730 ± 114.5	298 ± 26.0	1034 ± 99.8
Positive Control <sup>6</sup>	226 ± 11.9	142 ± 19.5			



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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>	14 ± 2.9
100.0	21 ± 1.7
333.0	17 ± 2.4
1000.0	19 ± 2.3
3333.0	20 ± 6.4
10000.0	20 ± 1.7
Trial Summary	Negative
Positive Control <sup>2</sup>	523 ± 14.6
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 \*\***