

Experiment Number: 356864

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

**G06: Ames Summary Data**

Test Compound: **Tetrapropylammonium bromide**

CAS Number: 1941-30-6

Date Report Requested: **09/13/2018**

Time Report Requested: **19:59:38**

**NTP Study Number:**

356864

**Study Result:**

Negative

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Test Compound: Tetrapropylammonium bromide

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	160 ± 8.8	120 ± 6.0	127 ± 5.8	172 ± 7.2	142 ± 8.1
100.0	131 ± 9.6	121 ± 5.8	141 ± 5.5	166 ± 9.5	137 ± 17.2
333.0	143 ± 10.4	106 ± 4.9	129 ± 10.0	166 ± 3.8	137 ± 4.9
1000.0	153 ± 6.1	119 ± 15.1	136 ± 9.4	166 ± 6.3	119 ± 5.7
3333.0	129 ± 2.8	113 ± 5.5	142 ± 10.3	159 ± 8.2	125 ± 4.0
10000.0	113 ± 11.2	94 ± 7.1	124 ± 16.4	147 ± 5.2	115 ± 14.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					505 ± 18.0
Positive Control <sup>3</sup>			362 ± 22.5		
Positive Control <sup>4</sup>				568 ± 33.7	
Positive Control <sup>5</sup>	1182 ± 23.4	363 ± 26.0			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	166 ± 7.5
100.0	169 ± 4.7
333.0	166 ± 14.7
1000.0	156 ± 11.0
3333.0	155 ± 5.2
10000.0	163 ± 4.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	627 ± 26.3
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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**Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 1.2	9 ± 2.7	12 ± 2.6	9 ± 2.6	11 ± 2.6
100.0	7 ± 0.9	12 ± 2.8	7 ± 1.5	9 ± 1.7	12 ± 0.9
333.0	5 ± 0.9	8 ± 1.0	11 ± 0.3	5 ± 2.0	8 ± 0.6
1000.0	7 ± 1.0	8 ± 0.3	11 ± 2.4	11 ± 3.0	12 ± 2.0
3333.0	6 ± 1.2	9 ± 1.5	13 ± 1.2	8 ± 0.3	6 ± 2.1
10000.0	6 ± 0.9	7 ± 0.7	9 ± 2.4	11 ± 4.2	9 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					74 ± 0.9
Positive Control <sup>4</sup>			75 ± 3.2		
Positive Control <sup>5</sup>	244 ± 21.4	150 ± 8.0			
Positive Control <sup>6</sup>				79 ± 5.3	

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 1.0
100.0	7 ± 1.2
333.0	6 ± 0.9
1000.0	7 ± 2.6
3333.0	8 ± 2.2
10000.0	11 ± 1.5
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	105 ± 10.3
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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Test Compound: Tetrapropylammonium bromide  
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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	196 ± 3.5	189 ± 1.2	208 ± 6.5	187 ± 11.6	183 ± 5.4
100.0	180 ± 7.4	203 ± 7.6	212 ± 2.2	188 ± 11.6	168 ± 11.1
333.0	198 ± 10.2	219 ± 3.9	216 ± 9.7	187 ± 11.9	177 ± 2.7
1000.0	191 ± 10.4	202 ± 6.9	220 ± 7.8	191 ± 9.5	194 ± 6.5
3333.0	183 ± 2.2	208 ± 7.0	229 ± 4.5	200 ± 0.6	186 ± 7.0
10000.0	188 ± 22.9	182 ± 5.6	207 ± 2.6	191 ± 5.6	178 ± 9.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					420 ± 14.5
Positive Control <sup>3</sup>			359 ± 6.2		
Positive Control <sup>4</sup>				332 ± 24.3	
Positive Control <sup>7</sup>	369 ± 12.7	365 ± 27.9			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	157 ± 2.2
100.0	163 ± 7.2
333.0	156 ± 5.5
1000.0	150 ± 1.0
3333.0	152 ± 7.6
10000.0	163 ± 16.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	353 ± 26.1
Positive Control <sup>4</sup>	
Positive Control <sup>7</sup>	

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Test Compound: Tetrapropylammonium bromide  
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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	39 ± 1.8	23 ± 1.7	25 ± 2.6	30 ± 0.6	26 ± 4.1
100.0	36 ± 4.5	22 ± 2.6	23 ± 3.1	31 ± 1.9	26 ± 0.7
333.0	33 ± 3.5	23 ± 1.9	23 ± 3.5	24 ± 2.6	20 ± 0.6
1000.0	36 ± 3.8	22 ± 3.7	19 ± 2.7	23 ± 3.7	20 ± 2.9
3333.0	29 ± 2.6	19 ± 3.8	25 ± 6.2	29 ± 5.6	19 ± 1.9
10000.0	26 ± 3.8	12 ± 2.9	20 ± 2.7	29 ± 4.8	19 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					426 ± 21.5
Positive Control <sup>3</sup>			220 ± 6.9	186 ± 2.0	
Positive Control <sup>8</sup>	923 ± 35.7	780 ± 70.8			



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	34 ± 2.7
100.0	32 ± 2.9
333.0	32 ± 2.3
1000.0	35 ± 3.2
3333.0	25 ± 2.3
10000.0	29 ± 1.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	458 ± 12.3
Positive Control <sup>8</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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

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