

Experiment Number: 043221

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Antimony potassium tartrate

CAS Number: 28300-74-5

Date Report Requested: 09/14/2018

Time Report Requested: 20:30:57

**NTP Study Number:**

043221

**Study Result:**

Negative

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Test Compound: Antimony potassium tartrate

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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>	107 ± 2.9	148 ± 9.3	159 ± 13.4	122 ± 10.7	173 ± 5.6
10.0		156 ± 10.6	163 ± 10.9		139 ± 1.8
33.0		144 ± 5.1	145 ± 10.6		151 ± 11.8
100.0	107 ± 4.4	136 ± 11.0	143 ± 7.9	117 ± 13.7	167 ± 6.3
333.0	94 ± 4.3	126 ± 12.3	114 ± 5.0	145 ± 14.8	163 ± 11.5
1000.0	101 ± 4.9	101 ± 6.1	103 ± 13.9	161 ± 1.7	155 ± 5.5
3333.0	67 ± 9.5			90 ± 12.4	
6666.0	35 ± 4.4 <sup>s</sup>				
10000.0				39 ± 6.6	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					657 ± 5.1
Positive Control <sup>3</sup>			599 ± 23.1		
Positive Control <sup>4</sup>	319 ± 10.5	316 ± 3.5			
Positive Control <sup>5</sup>				447 ± 17.5	

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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>	160 ± 9.3
10.0	
33.0	
100.0	126 ± 7.0
333.0	149 ± 4.8
1000.0	125 ± 7.1
3333.0	94 ± 4.0
6666.0	
10000.0	65 ± 11.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	399 ± 4.9
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>	11 ± 2.8	13 ± 1.5	16 ± 3.5	11 ± 4.4	8 ± 1.2
10.0		15 ± 3.1	8 ± 1.9		10 ± 1.7
33.0		9 ± 0.0	9 ± 1.9		6 ± 0.3
100.0	14 ± 0.7	13 ± 0.3	11 ± 0.9	18 ± 5.0	10 ± 1.7
333.0	12 ± 0.6	11 ± 0.6	8 ± 1.5	16 ± 2.4	11 ± 1.0
1000.0	12 ± 0.3	10 ± 2.0	10 ± 2.8	15 ± 1.7	9 ± 0.3
3333.0	10 ± 5.5			4 ± 0.7	
6666.0	4 ± 1.2				
10000.0				2 ± 0.5 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					150 ± 8.4
Positive Control <sup>4</sup>	221 ± 3.1	273 ± 10.7			
Positive Control <sup>5</sup>			121 ± 10.5		
Positive Control <sup>6</sup>				88 ± 6.2	

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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>	12 ± 2.3
10.0	
33.0	
100.0	12 ± 2.4
333.0	12 ± 3.5
1000.0	9 ± 3.0
3333.0	5 ± 0.6
6666.0	
10000.0	4 ± 2.3
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	320 ± 41.3
Positive Control <sup>6</sup>	

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## Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	173 ± 15.3	182 ± 11.5	218 ± 7.7	155 ± 5.1	177 ± 11.5
10.0	194 ± 10.5	194 ± 10.5	225 ± 0.3	163 ± 6.5	187 ± 6.4
33.0	184 ± 9.8	184 ± 9.8	219 ± 4.8	163 ± 12.1	190 ± 5.4
100.0	177 ± 10.2	177 ± 10.2	208 ± 6.1	162 ± 5.8	173 ± 1.9
333.0	161 ± 9.0	161 ± 9.0	202 ± 12.2	163 ± 8.5	131 ± 10.2
1000.0	137 ± 11.3	137 ± 11.3	135 ± 10.4	136 ± 21.0	116 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				463 ± 15.8	
Positive Control <sup>3</sup>		449 ± 10.1			451 ± 19.6
Positive Control <sup>5</sup>			417 ± 18.2		
Positive Control <sup>7</sup>	403 ± 11.1				

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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>	15 ± 2.3	21 ± 3.7	33 ± 3.8	32 ± 3.2	27 ± 2.8
10.0		25 ± 2.2	30 ± 6.5		32 ± 2.9
33.0		16 ± 2.0	28 ± 4.6		30 ± 1.8
100.0	14 ± 0.6	21 ± 1.5	22 ± 2.2	25 ± 2.6	27 ± 5.1
333.0	21 ± 4.0	19 ± 3.3	27 ± 2.2	27 ± 0.6	26 ± 2.8
1000.0	20 ± 2.9	23 ± 2.7	29 ± 2.2	33 ± 3.7	23 ± 3.3
3333.0	19 ± 2.0			25 ± 1.7	
6666.0	14 ± 2.7				
10000.0				3 ± 2.3 <sup>s</sup>	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					385 ± 39.0
Positive Control <sup>3</sup>			279 ± 4.9	83 ± 7.3	
Positive Control <sup>8</sup>	380 ± 5.6	369 ± 25.1			

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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 ± 0.9
10.0	
33.0	
100.0	28 ± 0.7
333.0	35 ± 4.8
1000.0	28 ± 1.2
3333.0	23 ± 2.6
6666.0	
10000.0	9 ± 3.5 <sup>s</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	147 ± 9.3
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: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

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