

Experiment Number: A14055

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

**G06: Ames Summary Data**

Test Compound: **Sodium erythorbate**

CAS Number: **6381-77-7**

Date Report Requested: **09/16/2018**

Time Report Requested: **00:56:25**

**NTP Study Number:**

A14055

**Study Result:**

Negative

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Date Report Requested: 09/16/2018  
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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>	94 ± 7.1	154 ± 3.1	150 ± 5.2	119 ± 3.5	152 ± 3.1
100.0	93 ± 6.6	154 ± 3.6	152 ± 3.3	109 ± 2.3	152 ± 3.5
333.0	100 ± 1.2	143 ± 8.7	148 ± 6.7	112 ± 8.7	143 ± 3.2
1000.0	104 ± 3.5	146 ± 2.5	131 ± 4.9	120 ± 8.1	148 ± 7.9
3333.0	99 ± 1.9	155 ± 1.8	158 ± 3.2	113 ± 2.6	150 ± 3.5
10000.0	93 ± 5.0	145 ± 12.8	148 ± 4.6	131 ± 3.8	141 ± 13.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					546 ± 20.8
Positive Control <sup>3</sup>			497 ± 11.8		
Positive Control <sup>4</sup>	853 ± 10.6	869 ± 22.4			
Positive Control <sup>5</sup>				794 ± 33.5	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	97 ± 3.1
100.0	116 ± 6.4
333.0	98 ± 5.2
1000.0	100 ± 2.0
3333.0	127 ± 0.9
10000.0	114 ± 7.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	701 ± 15.9
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Sodium erythorbate

CAS Number: 6381-77-7

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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>	16 ± 0.9	9 ± 0.3	11 ± 1.7	13 ± 1.5	12 ± 0.9
100.0	15 ± 1.5	11 ± 0.6	11 ± 0.9	14 ± 2.1	12 ± 1.0
333.0	14 ± 1.2	11 ± 1.8	14 ± 0.3	12 ± 1.7	12 ± 1.5
1000.0	12 ± 1.9	9 ± 0.9	9 ± 1.5	13 ± 3.2	11 ± 1.5
3333.0	10 ± 0.9	11 ± 1.5	10 ± 1.0	12 ± 1.7	10 ± 1.7
10000.0	17 ± 0.3	10 ± 0.7	8 ± 0.7	13 ± 2.2	13 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					129 ± 10.0
Positive Control <sup>4</sup>	945 ± 26.4	829 ± 14.5			
Positive Control <sup>5</sup>			139 ± 5.8		
Positive Control <sup>6</sup>				131 ± 3.5	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 0.6
100.0	17 ± 0.3
333.0	14 ± 2.6
1000.0	15 ± 1.2
3333.0	12 ± 1.5
10000.0	11 ± 2.3
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	206 ± 8.2
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Sodium erythorbate

CAS Number: 6381-77-7

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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>	141 ± 9.9	127 ± 5.2	147 ± 6.1	156 ± 4.2	167 ± 3.9
100.0	143 ± 4.4	138 ± 0.3	148 ± 5.8	145 ± 6.1	159 ± 11.8
333.0	130 ± 4.6	127 ± 8.4	141 ± 10.1	148 ± 9.6	154 ± 5.2
1000.0	147 ± 6.4	140 ± 11.3	147 ± 6.8	162 ± 2.6	165 ± 8.8
3333.0	138 ± 0.3	141 ± 6.5	154 ± 10.8	153 ± 3.2	162 ± 3.7
10000.0	131 ± 0.9	140 ± 4.4	161 ± 6.1	155 ± 9.8	157 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					445 ± 12.2
Positive Control <sup>3</sup>			474 ± 21.5		
Positive Control <sup>5</sup>				527 ± 29.2	
Positive Control <sup>7</sup>	343 ± 22.2	372 ± 14.5			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	156 ± 4.9
100.0	149 ± 4.7
333.0	152 ± 3.0
1000.0	157 ± 4.2
3333.0	138 ± 6.1
10000.0	160 ± 2.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	527 ± 7.8
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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## G06: Ames Summary Data

Test Compound: Sodium erythorbate

CAS Number: 6381-77-7

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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>	17 ± 2.4	14 ± 0.6	19 ± 1.5	18 ± 1.5	17 ± 1.5
100.0	13 ± 1.0	13 ± 0.9	14 ± 0.6	15 ± 1.2	14 ± 0.7
333.0	12 ± 2.3	12 ± 1.5	15 ± 0.6	19 ± 3.0	14 ± 1.7
1000.0	16 ± 3.6	14 ± 0.7	13 ± 0.3	20 ± 2.8	13 ± 1.2
3333.0	24 ± 1.5	12 ± 2.9	16 ± 0.0	22 ± 3.0	15 ± 2.2
10000.0	0 ± 0.0 <sup>x</sup>	10 ± 0.6	12 ± 2.6	20 ± 2.8	14 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					373 ± 7.2
Positive Control <sup>3</sup>			326 ± 16.5		
Positive Control <sup>8</sup>	300 ± 16.0	530 ± 4.8			
Positive Control <sup>5</sup>				518 ± 13.7	



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 1.5
100.0	17 ± 1.2
333.0	14 ± 0.7
1000.0	13 ± 0.7
3333.0	10 ± 1.8
10000.0	17 ± 1.7
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	485 ± 24.6
Positive Control <sup>8</sup>	
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

x: Slight Toxicity and Precipitate

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