

Experiment Number: 407325

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

G06: Ames Summary Data

Test Compound: **Sodium erythorbate**

CAS Number: 6381-77-7

Date Report Requested: 09/14/2018

Time Report Requested: 22:32:35

NTP Study Number:

407325

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	128 ± 10.7	150 ± 4.6	133 ± 3.1	158 ± 15.5	153 ± 12.6
100.0	125 ± 8.6				
333.0	124 ± 11.1		140 ± 3.6		
1000.0	123 ± 9.0	155 ± 12.2	175 ± 6.7	152 ± 7.3	172 ± 2.0
1666.0		183 ± 8.2		165 ± 16.3	168 ± 9.0
3333.0	149 ± 10.1	182 ± 5.5	185 ± 7.4	154 ± 17.2	181 ± 4.8
6666.0		212 ± 5.8	196 ± 10.8	164 ± 8.4	161 ± 8.0
10000.0	177 ± 17.9	205 ± 7.5	224 ± 5.5	170 ± 6.1	179 ± 5.0
Trial Summary	Equivocal	Weakly Positive	Weakly Positive	Negative	Negative
Positive Control ²					
Positive Control ³				933 ± 64.4	471 ± 11.8
Positive Control ⁴					
Positive Control ⁵	570 ± 45.7	630 ± 17.7	452 ± 7.9		

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Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	158 ± 9.9	191 ± 2.9	146 ± 6.2	173 ± 4.4	137 ± 5.5
100.0	155 ± 11.9				144 ± 8.0
333.0	150 ± 3.7				157 ± 9.3
1000.0	157 ± 4.7	172 ± 13.3	173 ± 7.2	177 ± 14.5	164 ± 7.4
1666.0		191 ± 8.3	183 ± 6.8	152 ± 7.8	
3333.0	181 ± 4.4	186 ± 6.9	171 ± 12.0	157 ± 19.1	164 ± 10.9
6666.0		167 ± 10.7	147 ± 7.4	145 ± 9.1	
10000.0	164 ± 8.5	173 ± 18.2	202 ± 9.9	169 ± 6.7	172 ± 11.6
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²			1042 ± 33.0	1024 ± 10.5	
Positive Control ³					560 ± 26.0
Positive Control ⁴	415 ± 22.4	481 ± 19.0			
Positive Control ⁵					

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	148 ± 3.8	139 ± 4.4
100.0		
333.0		167 ± 6.8
1000.0	158 ± 4.2	166 ± 20.6
1666.0	168 ± 9.1	
3333.0	165 ± 17.6	180 ± 4.1
6666.0	185 ± 4.9	182 ± 1.8
10000.0	179 ± 3.7	180 ± 11.5
Trial Summary	Equivocal	Equivocal
Positive Control ²		
Positive Control ³	782 ± 21.9	694 ± 45.9
Positive Control ⁴		
Positive Control ⁵		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 1.2	15 ± 2.6	13 ± 1.2
1000.0	9 ± 1.2	16 ± 2.9	9 ± 0.9
1666.0	11 ± 2.2	14 ± 1.2	16 ± 1.5
3333.0	16 ± 1.5	15 ± 0.9	13 ± 0.7
6666.0	18 ± 1.5	14 ± 0.0	15 ± 1.2
10000.0	15 ± 1.7	16 ± 1.3	7 ± 3.5
Trial Summary	Negative	Negative	Negative
Positive Control ⁴			233 ± 12.5
Positive Control ⁶		75 ± 1.2	
Positive Control ⁵	697 ± 21.8		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	27 ± 2.5	23 ± 1.8	22 ± 5.2
100.0	25 ± 2.4	21 ± 2.2	24 ± 6.2
333.0	35 ± 2.4	22 ± 1.8	20 ± 5.4
1000.0	24 ± 5.4	21 ± 3.8	23 ± 3.3
3333.0	28 ± 4.3	19 ± 2.7	23 ± 1.2
10000.0	25 ± 6.5	22 ± 0.9	19 ± 2.7
Trial Summary	Negative	Negative	Negative
Positive Control ³		94 ± 9.3	437 ± 35.9
Positive Control ⁷	411 ± 45.6		

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LEGEND

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

**** END OF REPORT ****