

Experiment Number: 627464

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Sulfisoxazole

CAS Number: 127-69-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:58:42

**NTP Study Number:**

627464

**Study Result:**

Negative

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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>	155 ± 6.4	127 ± 5.6	137 ± 1.5	140 ± 7.4	131 ± 8.0
1.0	115 ± 13.9	131 ± 11.9	147 ± 6.7	124 ± 16.3	140 ± 9.9
3.0	118 ± 8.9	127 ± 7.6	140 ± 9.4	132 ± 8.7	143 ± 6.0
10.0	106 ± 8.5	131 ± 3.7	122 ± 5.4	106 ± 2.8	116 ± 11.7
33.0	118 ± 7.4	101 ± 1.0	101 ± 7.5	90 ± 5.9	109 ± 10.3
100.0	103 ± 7.4	83 ± 10.0	90 ± 14.4	74 ± 9.2	96 ± 10.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1931 ± 79.9
Positive Control <sup>3</sup>	629 ± 2.9	358 ± 4.9			
Positive Control <sup>4</sup>			1020 ± 54.9	337 ± 24.2	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	130 ± 2.3
1.0	134 ± 13.5
3.0	120 ± 2.8
10.0	140 ± 7.1
33.0	111 ± 7.9
100.0	128 ± 6.7
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	630 ± 22.0

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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>	24 ± 2.3	16 ± 1.2	13 ± 0.9	13 ± 0.3	10 ± 1.7
1.0	23 ± 2.9	14 ± 0.6	9 ± 2.3	15 ± 1.2	11 ± 1.5
3.0	20 ± 2.7	18 ± 1.5	11 ± 0.7	11 ± 2.2	8 ± 0.9
10.0	20 ± 2.1	16 ± 1.9	8 ± 1.3	9 ± 1.7	9 ± 1.3
33.0	19 ± 0.7	15 ± 1.7	8 ± 2.3	12 ± 1.2	11 ± 1.3
100.0	6 ± 2.0	8 ± 0.9	8 ± 1.0	10 ± 1.5	7 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	607 ± 9.9	426 ± 8.7			
Positive Control <sup>4</sup>					446 ± 60.6
Positive Control <sup>5</sup>			351 ± 12.3	129 ± 8.8	

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 2.3
1.0	8 ± 0.3
3.0	6 ± 0.6
10.0	8 ± 2.3
33.0	8 ± 0.9
100.0	7 ± 0.6
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	422 ± 30.5

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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>	144 ± 11.1	110 ± 6.7	196 ± 5.3	198 ± 4.6	185 ± 7.0
1.0	138 ± 0.9	94 ± 10.1	178 ± 13.8	198 ± 2.3	166 ± 5.4
3.0	157 ± 5.9	117 ± 10.7	194 ± 3.2	181 ± 8.9	186 ± 11.5
10.0	141 ± 4.4	103 ± 8.0	180 ± 16.6	159 ± 5.7	200 ± 3.2
33.0	121 ± 9.2	59 ± 13.7	143 ± 12.3	123 ± 11.8	175 ± 23.2
100.0	37 ± 1.3	0 ± 0.0 <sup>s</sup>	41 ± 2.8	30 ± 11.6	45 ± 10.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1026 ± 93.3
Positive Control <sup>4</sup>			660 ± 6.1		
Positive Control <sup>5</sup>				468 ± 22.5	
Positive Control <sup>6</sup>	503 ± 39.6				
Positive Control <sup>7</sup>		840 ± 12.9			

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G06: Ames Summary Data  
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CAS Number: 127-69-5

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	115 ± 8.4
1.0	110 ± 8.6
3.0	130 ± 5.0
10.0	112 ± 5.5
33.0	124 ± 11.9
100.0	98 ± 4.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	394 ± 7.5
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	

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Test Compound: Sulfisoxazole

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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>	23 ± 3.5	27 ± 2.8	32 ± 0.3	32 ± 2.9	38 ± 3.2
1.0	24 ± 4.3	26 ± 1.9	41 ± 1.2	37 ± 0.6	34 ± 5.0
3.0	17 ± 2.2	30 ± 5.8	42 ± 4.2	28 ± 1.5	32 ± 4.1
10.0	21 ± 3.0	27 ± 3.6	35 ± 2.6	29 ± 3.5	28 ± 2.6
33.0	22 ± 2.5	24 ± 2.0	30 ± 3.5	30 ± 4.9	30 ± 0.7
100.0	18 ± 3.8	21 ± 1.3	30 ± 4.5	23 ± 1.7	33 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1251 ± 93.5
Positive Control <sup>4</sup>			547 ± 5.9	140 ± 6.4	
Positive Control <sup>8</sup>	890 ± 103.3	906 ± 54.0			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	33 ± 5.4
1.0	36 ± 1.5
3.0	25 ± 1.5
10.0	36 ± 3.7
33.0	30 ± 5.0
100.0	22 ± 2.2
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	386 ± 11.0
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: Dimethyl Sulfoxide
- 2: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 4: 1.0 ug/Plate 2-Aminoanthracene
- 5: 2.5 ug/Plate 2-Aminoanthracene
- 6: 25.0 ug/Plate 9-Aminoacridine
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

\*\* END OF REPORT \*\*