

Experiment Number: 215965

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

G06: Ames Summary Data

Test Compound: **Sulfamethoxazole**

CAS Number: **723-46-6**

Date Report Requested: **09/14/2018**

Time Report Requested: **15:40:33**

NTP Study Number:

215965

Study Result:

Negative

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Test Compound: Sulfamethoxazole

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Date Report Requested: 09/14/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	101 ± 7.3	95 ± 10.4	110 ± 7.3	97 ± 3.5	103 ± 10.7
0.1		98 ± 5.0		108 ± 11.0	
0.3		95 ± 10.4		97 ± 3.0	
1.0	76 ± 8.3	102 ± 1.2	117 ± 3.2	99 ± 7.7	107 ± 5.2
3.0	71 ± 7.4	103 ± 11.3	86 ± 9.0	97 ± 13.2	114 ± 0.3
10.0	66 ± 2.4	89 ± 11.8	71 ± 8.4	87 ± 8.4	101 ± 6.2
33.0	49 ± 4.4		52 ± 1.5 ^s		87 ± 9.0
100.0	11 ± 2.7		9 ± 3.3 ^s		51 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	288 ± 6.7	288 ± 2.0			
Positive Control ³			464 ± 5.2	491 ± 19.1	1216 ± 32.9

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	101 ± 5.5
0.1	114 ± 4.9
0.3	96 ± 13.1
1.0	93 ± 8.7
3.0	97 ± 8.4
10.0	75 ± 6.7
33.0	
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1071 ± 51.0

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.6	20 ± 3.7	7 ± 0.7	5 ± 0.3	7 ± 1.2
0.1		16 ± 2.0		8 ± 2.6	
0.3		16 ± 1.3		4 ± 0.3	
1.0	12 ± 2.3	15 ± 1.0	9 ± 2.5	5 ± 0.9	6 ± 0.0
3.0	13 ± 2.6	12 ± 2.0	6 ± 0.9	5 ± 0.6	7 ± 2.7
10.0	11 ± 3.0	15 ± 3.2	5 ± 0.7	6 ± 0.7	8 ± 0.3
33.0	14 ± 3.2		6 ± 1.5		4 ± 0.9
100.0	3 ± 0.6		2 ± 1.7 ^s		2 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	224 ± 7.2	282 ± 15.0			
Positive Control ⁴			153 ± 16.9	136 ± 10.9	267 ± 3.0

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G06: Ames Summary Data

Test Compound: **Sulfamethoxazole**

CAS Number: **723-46-6**

Date Report Requested: **09/14/2018**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9
0.1	7 ± 0.7
0.3	7 ± 0.9
1.0	8 ± 2.8
3.0	6 ± 0.6
10.0	7 ± 0.9
33.0	
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	331 ± 20.1

Experiment Number: 215965

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Sulfamethoxazole

CAS Number: 723-46-6

Date Report Requested: 09/14/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2	7 ± 1.8	5 ± 0.6	6 ± 1.5	6 ± 0.7
0.1		8 ± 2.3		3 ± 0.3	
0.3		3 ± 0.9		4 ± 1.3	
1.0	4 ± 1.2	4 ± 1.2	6 ± 0.9	4 ± 0.9	5 ± 0.9
3.0	3 ± 0.9	4 ± 1.5	6 ± 0.0	4 ± 1.3	5 ± 0.7
10.0	4 ± 1.0	6 ± 1.2	4 ± 1.2	4 ± 1.2	7 ± 2.5
33.0	3 ± 1.5		3 ± 0.9		5 ± 1.5
100.0	2 ± 1.0		3 ± 0.7		3 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			151 ± 15.4	141 ± 12.3	476 ± 8.8
Positive Control ⁵	129 ± 9.8	178 ± 49.6			

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Test Compound: Sulfamethoxazole
CAS Number: 723-46-6

Date Report Requested: 09/14/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 2.0
0.1	5 ± 0.9
0.3	6 ± 1.0
1.0	6 ± 1.0
3.0	6 ± 1.2
10.0	6 ± 1.5
33.0	
100.0	
Trial Summary	Negative
Positive Control ⁴	224 ± 47.5
Positive Control ⁵	

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Test Compound: Sulfamethoxazole

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.5	15 ± 1.2	23 ± 2.9	22 ± 4.4	22 ± 3.2
0.1		11 ± 1.2		19 ± 1.5	
0.3		9 ± 2.9		22 ± 2.7	
1.0	7 ± 0.9	10 ± 2.4	26 ± 5.5	24 ± 5.0	27 ± 4.7
3.0	15 ± 1.5	13 ± 1.0	20 ± 2.3	20 ± 4.1	22 ± 1.8
10.0	11 ± 1.9	15 ± 2.0	19 ± 3.2	15 ± 1.5	23 ± 2.7
33.0	6 ± 1.3		12 ± 3.0		26 ± 1.7
100.0	3 ± 0.3		11 ± 4.6		16 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			496 ± 76.4	465 ± 14.7	1026 ± 43.8
Positive Control ⁶	381 ± 2.4	300 ± 21.9			

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G06: Ames Summary Data

Test Compound: Sulfamethoxazole

CAS Number: 723-46-6

Date Report Requested: 09/14/2018

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.7
0.1	25 ± 0.7
0.3	20 ± 3.5
1.0	24 ± 1.5
3.0	24 ± 2.6
10.0	23 ± 2.4
33.0	
100.0	
Trial Summary	Negative
Positive Control ³	926 ± 57.1
Positive Control 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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****