

Experiment Number: 454444

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

G06: Ames Summary Data

Test Compound: **Chloramphenicol sodium succinate**

CAS Number: **982-57-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:04:38**

NTP Study Number:

454444

Study Result:

Negative

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Date Report Requested: 09/11/2018

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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	139 ± 6.2	158 ± 7.0	101 ± 1.2	106 ± 8.7	102 ± 3.5
1.0			100 ± 9.9	105 ± 10.1	88 ± 8.0
3.3			121 ± 9.2	104 ± 7.0	100 ± 3.2
10.0	124 ± 11.9	148 ± 9.0	105 ± 5.8	98 ± 6.4	94 ± 5.4
33.0	135 ± 6.1	148 ± 5.9	87 ± 4.1	99 ± 0.9	95 ± 11.4
67.0			51 ± 3.5	80 ± 6.0	21 ± 1.2
100.0	124 ± 3.8	143 ± 8.8			
333.0	59 ± 5.1	98 ± 3.2			
666.0	7 ± 3.5	3 ± 0.3			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					649 ± 10.7
Positive Control ³			963 ± 26.8	1408 ± 226.6	
Positive Control ⁴	1320 ± 68.1	2131 ± 39.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	107 ± 5.3
1.0	103 ± 1.8
3.3	106 ± 13.6
10.0	95 ± 2.0
33.0	100 ± 4.4
67.0	4 ± 1.3
100.0	
333.0	
666.0	
Trial Summary	Negative
Positive Control ²	1460 ± 104.2
Positive Control ³	
Positive Control ⁴	

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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	30 ± 1.8	29 ± 1.2	9 ± 0.9	24 ± 4.2	9 ± 0.9
1.0			13 ± 1.7	21 ± 2.5	12 ± 1.9
3.3			12 ± 2.8	18 ± 1.8	7 ± 1.5
10.0	34 ± 2.8	38 ± 1.7	8 ± 0.7	17 ± 1.7	9 ± 2.2
33.0	30 ± 0.6	41 ± 2.6	9 ± 1.3	10 ± 0.9	7 ± 2.4
67.0			2 ± 0.7	10 ± 0.7	1 ± 0.3
100.0	23 ± 3.5	30 ± 0.9			
333.0	1 ± 0.3	5 ± 1.0			
666.0	0 ± 0.0	0 ± 0.0			
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²					119 ± 6.7
Positive Control ³			120 ± 8.1	164 ± 8.1	
Positive Control ⁴	1072 ± 31.2	1443 ± 12.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.8
1.0	13 ± 0.3
3.3	14 ± 1.5
10.0	14 ± 1.8
33.0	8 ± 2.2
67.0	0 ± 0.0
100.0	
333.0	
666.0	
Trial Summary	Negative
Positive Control ²	123 ± 5.2
Positive Control ³	
Positive Control ⁴	

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Date Report Requested: 09/11/2018

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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	7 ± 0.9	6 ± 0.3	8 ± 0.9	7 ± 1.2	7 ± 1.2
1.0			11 ± 1.5	8 ± 0.3	8 ± 0.6
3.3			10 ± 1.3	5 ± 0.6	10 ± 2.3
10.0	5 ± 1.5	10 ± 1.2	9 ± 3.0	6 ± 0.3	8 ± 0.6
33.0	9 ± 1.5	6 ± 2.5	8 ± 1.7	7 ± 2.5	4 ± 1.0
67.0			5 ± 0.7	5 ± 0.3	3 ± 0.6
100.0	6 ± 0.7	7 ± 1.3			
333.0	4 ± 0.7	5 ± 0.3			
666.0	2 ± 0.7	2 ± 0.7			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					59 ± 3.8
Positive Control ³			66 ± 4.2	172 ± 2.9	
Positive Control ⁵	1022 ± 69.7	387 ± 78.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.7
1.0	8 ± 0.6
3.3	4 ± 1.5
10.0	8 ± 1.5
33.0	4 ± 0.3
67.0	1 ± 0.7
100.0	
333.0	
666.0	
Trial Summary	Negative
Positive Control ²	115 ± 4.7
Positive Control ³	
Positive Control ⁵	

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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	18 ± 3.1	13 ± 3.8	35 ± 3.6	26 ± 2.8	28 ± 3.2
1.0			37 ± 1.9	30 ± 2.6	31 ± 2.3
3.3			35 ± 6.5	25 ± 5.0	29 ± 5.2
10.0	18 ± 1.5	16 ± 2.7	29 ± 2.5	26 ± 4.3	33 ± 6.4
33.0	15 ± 4.0	17 ± 1.3	21 ± 2.6	31 ± 2.0	26 ± 3.8
67.0			21 ± 2.0	19 ± 2.6	11 ± 1.7
100.0	11 ± 0.6	14 ± 0.3			
333.0	10 ± 2.8	13 ± 1.0			
666.0	2 ± 0.6	2 ± 1.5			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					515 ± 32.5
Positive Control ³			758 ± 19.6	1400 ± 55.7	
Positive Control ⁶	1369 ± 14.8	1445 ± 56.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 2.6
1.0	30 ± 2.9
3.3	30 ± 0.3
10.0	28 ± 1.2
33.0	30 ± 2.1
67.0	4 ± 1.0
100.0	
333.0	
666.0	
Trial Summary	Negative
Positive Control ²	1043 ± 26.0
Positive Control ³	
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: Water

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****