

Experiment Number: 457939

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

G06: Ames Summary Data

Test Compound: **Erythromycin stearate**

CAS Number: 643-22-1

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

Time Report Requested: **04:33:32**

NTP Study Number:

457939

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	108 ± 3.2	104 ± 4.6	116 ± 7.8	133 ± 10.4	134 ± 8.3
0.3		117 ± 2.8		140 ± 6.1	
1.0	168 ± 10.3	101 ± 6.8	120 ± 9.3	136 ± 8.5	114 ± 12.4
3.0	129 ± 4.8	103 ± 7.2	142 ± 18.3	125 ± 12.6	90 ± 6.5
10.0	95 ± 13.6	72 ± 7.4	116 ± 9.7	114 ± 6.8	63 ± 7.2
33.0	Toxic	13 ± 1.8	0 ± 0.0 ^s	57 ± 5.5	0 ± 0.0 ^s
100.0	Toxic		Toxic		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	467 ± 18.0	419 ± 12.6			
Positive Control ³			846 ± 26.4	495 ± 23.2	2355 ± 34.5

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	117 ± 5.3
0.3	140 ± 1.9
1.0	120 ± 14.9
3.0	128 ± 7.1
10.0	114 ± 5.8
33.0	24 ± 24.0 ^s
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	778 ± 10.2

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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	31 ± 0.7	32 ± 1.8	41 ± 5.5	24 ± 1.3	42 ± 3.6
0.3		20 ± 3.9		32 ± 2.0	
1.0	39 ± 3.2	27 ± 3.8	43 ± 5.3	29 ± 2.3	31 ± 3.3
3.0	31 ± 5.7	25 ± 2.6	35 ± 4.2	27 ± 0.6	26 ± 1.9
10.0	23 ± 3.5	24 ± 2.6	42 ± 5.2	19 ± 1.2	32 ± 3.2
33.0	21 ± 3.0	16 ± 2.1	27 ± 0.9	23 ± 4.9	6 ± 6.0 ^s
100.0	0 ± 0.0 ^s		11 ± 1.9		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	443 ± 29.1	379 ± 22.3			
Positive Control ⁴			331 ± 13.7	120 ± 13.2	645 ± 25.2

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	35 ± 4.3
0.3	22 ± 3.9
1.0	20 ± 3.3
3.0	18 ± 1.5
10.0	15 ± 1.9
33.0	14 ± 2.6
100.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	356 ± 53.3

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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	11 ± 1.8	6 ± 0.6	14 ± 1.2	15 ± 1.2	19 ± 4.7
0.3		6 ± 0.3		13 ± 0.7	
1.0	9 ± 2.5	5 ± 1.3	11 ± 1.5	13 ± 3.2	14 ± 0.3
3.0	16 ± 1.5	4 ± 0.9	10 ± 1.2	9 ± 0.3	10 ± 2.2
10.0	14 ± 3.5	7 ± 1.7	11 ± 4.0	11 ± 2.7	15 ± 1.7
33.0	7 ± 1.2	3 ± 1.0	8 ± 2.4	6 ± 1.5	2 ± 2.0 ^s
100.0	Toxic		1 ± 1.0 ^s		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			266 ± 9.8	204 ± 14.8	591 ± 16.8
Positive Control ⁵		277 ± 25.1			
Positive Control ⁶	388 ± 33.5				

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7
0.3	11 ± 3.3
1.0	7 ± 0.9
3.0	5 ± 1.2
10.0	9 ± 2.6
33.0	7 ± 2.3
100.0	
Trial Summary	Negative
Positive Control ⁴	454 ± 17.6
Positive Control ⁵	
Positive Control ⁶	

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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	28 ± 2.2	18 ± 3.8	37 ± 2.3	33 ± 4.0	48 ± 5.8
0.3		22 ± 1.7		31 ± 5.2	
1.0	29 ± 2.0	17 ± 0.3	48 ± 7.9	40 ± 6.7	27 ± 3.8
3.0	25 ± 0.6	19 ± 5.2	43 ± 1.2	35 ± 5.0	29 ± 0.3
10.0	25 ± 2.3	10 ± 1.2	34 ± 6.6	24 ± 1.5	22 ± 3.0
33.0	20 ± 2.6	8 ± 2.2	35 ± 7.1	29 ± 2.2	9 ± 4.4
100.0	Toxic		22 ± 4.0		0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			436 ± 5.1	401 ± 33.1	1856 ± 19.6
Positive Control ⁷	758 ± 14.2	730 ± 18.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 2.9
0.3	31 ± 4.4
1.0	27 ± 3.6
3.0	28 ± 0.9
10.0	24 ± 4.2
33.0	22 ± 1.5
100.0	
Trial Summary	Negative
Positive Control ³	477 ± 29.8
Positive Control ⁷	

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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: 95% Ethanol
- 2: 1.0 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate 9-Aminoacridine
- 6: 50.0 ug/Plate 9-Aminoacridine
- 7: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

**** END OF REPORT ****