

Experiment Number: A75179

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: L-Ephedrine

CAS Number: 299-42-3

Date Report Requested: 09/17/2018

Time Report Requested: 19:20:48

NTP Study Number:

A75179

Study Result:

Negative

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Strain: TA100		
Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	156 ± 6.6	150 ± 12.9
100.0	149 ± 3.0	144 ± 3.8
333.0	150 ± 3.8	170 ± 31.5
1000.0	167 ± 3.2	157 ± 7.4
3333.0	142 ± 0.7	141 ± 4.3
5000.0	156 ± 6.9 ^s	
7500.0		139 ± 2.0 ^s
Trial Summary	Negative	Negative
Positive Control ²	513 ± 43.7	
Positive Control ³		912 ± 39.1

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	22 ± 1.5	21 ± 3.1
100.0	15 ± 1.9	26 ± 1.0
333.0	14 ± 1.8	24 ± 2.5
1000.0	20 ± 0.3	34 ± 5.2
3333.0	17 ± 1.7	27 ± 3.7
5000.0	20 ± 0.6	
7500.0		29 ± 4.8 ^s
Trial Summary	Negative	Negative
Positive Control ⁴		589 ± 19.3
Positive Control ⁵	110 ± 7.7	

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Strain: TA102

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	276 ± 15.1	407 ± 8.4
100.0	302 ± 11.8	417 ± 6.6
333.0	247 ± 7.3	429 ± 10.0
1000.0	290 ± 3.8	405 ± 12.8
3333.0	268 ± 5.9	400 ± 6.8
7500.0	97 ± 54.1 ^s	334 ± 4.4
Trial Summary	Negative	Negative
Positive Control ⁶		1304 ± 30.0
Positive Control ⁷	880 ± 53.4	

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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 Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 0.4 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate Other Positive Control

6: 10.0 ug/Plate Sterigmatocystin

7: 75.0 ug/Plate Other Positive Control

s: Slight Toxicity

** END OF REPORT **