

Experiment Number: A54166

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 9-Nitroanthracene

CAS Number: 602-60-8

Date Report Requested: 09/17/2018

Time Report Requested: 04:40:17

NTP Study Number:

A54166

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	164 ± 4.2	177 ± 9.1	151 ± 9.8	185 ± 13.6
100.0	235 ± 9.8	222 ± 11.8	325 ± 26.8	334 ± 6.4
333.0	258 ± 9.9	229 ± 8.1	264 ± 11.1	352 ± 17.5
1000.0	254 ± 36.3 ^P	259 ± 29.6 ^P	373 ± 37.0 ^P	398 ± 15.2 ^P
3333.0	262 ± 41.1 ^X	251 ± 11.1 ^X	642 ± 36.0 ^X	492 ± 56.6 ^X
6667.0	283 ± 20.2 ^X	297 ± 17.2 ^X	565 ± 32.7 ^X	736 ± 25.9 ^X
Trial Summary	Weakly Positive	Weakly Positive	Positive	Positive
Positive Control ²	669 ± 26.7	660 ± 25.6		
Positive Control ³			714 ± 72.2	
Positive Control ⁴				1115 ± 77.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	14 ± 2.1	13 ± 1.5	14 ± 2.2	32 ± 3.4
100.0	36 ± 4.1	54 ± 0.9	79 ± 13.7	128 ± 6.8
333.0	40 ± 1.9	56 ± 6.2	116 ± 3.3	138 ± 9.3
1000.0	55 ± 3.2 ^P	71 ± 6.2 ^P	236 ± 22.0 ^P	265 ± 35.2 ^P
3333.0	86 ± 27.7 ^X	82 ± 16.3 ^X	432 ± 14.9 ^X	478 ± 12.0 ^X
6667.0	73 ± 7.0 ^X	75 ± 2.7 ^X	495 ± 26.8 ^X	600 ± 41.7 ^X
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵			478 ± 24.9	507 ± 29.0
Positive Control ⁶	115 ± 3.3	126 ± 4.1		

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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: 0.5 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 75.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

x: Slight Toxicity and Precipitate

**** END OF REPORT ****