

Experiment Number: 149862

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Metronidazole

CAS Number: 443-48-1

Date Report Requested: 09/12/2018

Time Report Requested: 14:46:07

NTP Study Number:

149862

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	166 ± 9.3	122 ± 7.2	145 ± 4.3	121 ± 4.9	175 ± 1.9
1.0				120 ± 10.9	
3.0		124 ± 3.8	188 ± 5.4	144 ± 13.5	206 ± 9.0
10.0	222 ± 5.2	160 ± 3.2	245 ± 12.2	181 ± 3.0	292 ± 16.3
16.0	281 ± 14.3	208 ± 11.2			
33.0	411 ± 19.2	309 ± 7.2	418 ± 8.6	395 ± 19.5	508 ± 9.7
66.0	583 ± 45.2	503 ± 15.5	634 ± 15.4	623 ± 16.3	787 ± 3.3
100.0	687 ± 50.8		847 ± 44.7		996 ± 9.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					595 ± 4.0
Positive Control ³	398 ± 5.9	319 ± 27.6			
Positive Control ⁴			442 ± 15.4	549 ± 44.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	123 ± 9.4
1.0	135 ± 3.8
3.0	163 ± 7.8
10.0	208 ± 11.0
16.0	
33.0	354 ± 16.0
66.0	686 ± 37.8
100.0	
Trial Summary	Positive
Positive Control ²	650 ± 30.1
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 1.0	51 ± 1.7	34 ± 3.1
3.0		50 ± 1.7	29 ± 0.3
10.0	28 ± 2.7	38 ± 2.6	31 ± 3.8
16.0	27 ± 1.5		
33.0	26 ± 2.0	37 ± 2.0	31 ± 2.9
66.0	29 ± 0.0	35 ± 10.0	48 ± 4.6
100.0	30 ± 3.9	44 ± 4.0	42 ± 6.8
Trial Summary	Negative	Negative	Negative
Positive Control ²		134 ± 10.2	414 ± 38.9
Positive Control ⁵	716 ± 34.1		

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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: 1.0 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **