

Experiment Number: 282064

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Indomethacin

CAS Number: 53-86-1

Date Report Requested: 09/11/2018

Time Report Requested: 15:08:07

NTP Study Number:

282064

Study Result:

Negative

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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	132 ± 7.0	127 ± 10.4	145 ± 6.1	120 ± 10.5	144 ± 3.9
3.3			143 ± 10.7	139 ± 12.4	149 ± 6.0
10.0	122 ± 14.4	122 ± 4.3	167 ± 1.3	128 ± 6.4	140 ± 7.4
33.0	116 ± 9.8	118 ± 7.1	140 ± 5.5	147 ± 3.9	175 ± 7.0
100.0	126 ± 19.9	128 ± 2.6	136 ± 5.0	117 ± 8.4	166 ± 6.4
333.0	115 ± 3.9	130 ± 5.0	124 ± 4.8 ^s	119 ± 6.4 ^s	157 ± 3.5 ^s
1000.0	87 ± 9.8 ^s	99 ± 5.2 ^s			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1443 ± 93.3
Positive Control ³			1388 ± 57.1	1101 ± 23.7	
Positive Control ⁴	1327 ± 11.9	1083 ± 8.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 11.8
3.3	144 ± 6.7
10.0	125 ± 2.7
33.0	137 ± 1.2
100.0	126 ± 14.5
333.0	112 ± 6.4 ^s
1000.0	
Trial Summary	Negative
Positive Control ²	1258 ± 23.9
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	29 ± 0.6	23 ± 0.6	12 ± 3.4	10 ± 2.7	18 ± 2.2
3.3			13 ± 1.2	14 ± 1.7	16 ± 1.0
10.0	26 ± 2.4	23 ± 2.0	13 ± 2.7	12 ± 1.5	12 ± 3.5
33.0	26 ± 2.3	22 ± 3.2	14 ± 2.1	14 ± 2.4	12 ± 1.9
100.0	22 ± 0.6	22 ± 0.9	13 ± 0.9	10 ± 2.4	10 ± 1.7
333.0	24 ± 3.3	20 ± 2.3	7 ± 1.9 ^s	10 ± 1.9 ^s	14 ± 1.2 ^s
1000.0	17 ± 1.9 ^s	12 ± 0.3 ^s			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					88 ± 6.7
Positive Control ³			86 ± 6.2	62 ± 1.5	
Positive Control ⁴	1075 ± 7.3	806 ± 14.0			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.6
3.3	8 ± 1.5
10.0	13 ± 0.7
33.0	12 ± 1.3
100.0	13 ± 2.7
333.0	9 ± 3.2 ^s
1000.0	
Trial Summary	Negative
Positive Control ²	78 ± 7.2
Positive Control ³	
Positive Control ⁴	

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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	8 ± 1.5	7 ± 1.7	11 ± 0.9	7 ± 2.8	13 ± 1.0
3.3			7 ± 1.2	10 ± 0.7	13 ± 0.6
10.0	6 ± 2.3	5 ± 2.4	10 ± 2.1	10 ± 1.0	11 ± 1.5
33.0	6 ± 1.5	9 ± 2.0	11 ± 1.5	8 ± 1.8	10 ± 0.9
100.0	7 ± 1.5	11 ± 1.2	9 ± 0.9	10 ± 1.9	9 ± 3.2
333.0	8 ± 1.8	6 ± 0.6	7 ± 2.3	9 ± 2.5	12 ± 1.5
1000.0	5 ± 0.9 ^s	5 ± 0.9 ^s			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					148 ± 32.1
Positive Control ³			135 ± 1.8	92 ± 2.0	
Positive Control ⁵	449 ± 36.0	322 ± 34.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.0
3.3	10 ± 0.7
10.0	14 ± 2.3
33.0	7 ± 1.2
100.0	6 ± 0.7
333.0	13 ± 0.9
1000.0	
Trial Summary	Negative
Positive Control ²	93 ± 7.8
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	17 ± 0.6	17 ± 2.3	36 ± 3.3	29 ± 2.9	33 ± 2.0
3.3			29 ± 3.0	31 ± 2.4	34 ± 2.7
10.0	16 ± 5.5	16 ± 1.5	34 ± 3.1	32 ± 1.3	35 ± 2.6
33.0	16 ± 1.2	17 ± 2.4	33 ± 1.9	32 ± 3.7	45 ± 5.6
100.0	21 ± 3.2	20 ± 1.2	30 ± 1.3	29 ± 4.5	38 ± 3.5
333.0	20 ± 1.2	17 ± 1.7	28 ± 1.7	31 ± 3.8	32 ± 1.5
1000.0	19 ± 2.3 ^s	21 ± 0.9 ^s			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1187 ± 80.6
Positive Control ³			909 ± 55.1	933 ± 31.6	
Positive Control ⁶	1428 ± 34.7	1541 ± 59.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	34 ± 3.3
3.3	29 ± 1.2
10.0	29 ± 2.1
33.0	28 ± 1.8
100.0	35 ± 4.2
333.0	29 ± 2.8
1000.0	
Trial Summary	Negative
Positive Control ²	1174 ± 55.9
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: Dimethyl Sulfoxide

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

s: Slight Toxicity

** END OF REPORT **