

Experiment Number: 613268

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N,N'-methylenebisacrylamide

CAS Number: 110-26-9

Date Report Requested: 09/15/2018

Time Report Requested: 07:01:43

NTP Study Number:

613268

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	111 ± 6.1	131 ± 9.2	130 ± 4.3	117 ± 7.8	115 ± 9.9
100.0	106 ± 5.2	117 ± 12.9	124 ± 6.2	131 ± 17.5	127 ± 1.9
333.0	106 ± 5.9	120 ± 3.5	127 ± 15.9	146 ± 13.5	123 ± 13.5
1000.0	118 ± 3.2	114 ± 8.5	123 ± 6.2	134 ± 5.0	144 ± 14.3
3333.0	122 ± 3.5	139 ± 14.7	135 ± 12.4	172 ± 0.7	146 ± 4.6
10000.0	107 ± 5.2	125 ± 12.8	145 ± 9.3	155 ± 10.9	130 ± 10.7
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²		610 ± 9.9	1987 ± 56.0	1860 ± 46.6	1161 ± 28.2
Positive Control ³	451 ± 13.0				

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	126 ± 8.0	105 ± 2.0
100.0	133 ± 11.0	119 ± 3.1
333.0	121 ± 10.8	138 ± 6.7
1000.0	143 ± 1.0	146 ± 7.2
3333.0	172 ± 12.2	185 ± 2.7
10000.0	195 ± 6.5	198 ± 4.3
Trial Summary	Weakly Positive	Positive
Positive Control ²	540 ± 5.2	569 ± 27.5
Positive Control ³		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	32 ± 4.4	9 ± 2.4	12 ± 2.9	8 ± 0.7
100.0	31 ± 1.9	11 ± 1.8	11 ± 1.5	10 ± 2.6
333.0	30 ± 2.0	9 ± 2.0	17 ± 0.9	9 ± 1.9
1000.0	37 ± 1.3	13 ± 4.3	29 ± 0.6	18 ± 2.6
3333.0	43 ± 3.9	13 ± 3.0	52 ± 8.9	27 ± 3.5
10000.0	25 ± 2.8	14 ± 1.2	49 ± 2.6	30 ± 1.9
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ³	537 ± 15.3			
Positive Control ⁴		205 ± 9.6	562 ± 18.0	398 ± 6.7

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	160 ± 8.1	186 ± 5.2	193 ± 3.4
100.0	145 ± 3.0	203 ± 3.7	191 ± 20.8
333.0	147 ± 3.5	190 ± 14.3	201 ± 17.1
1000.0	146 ± 5.6	196 ± 3.6	204 ± 13.0
3333.0	152 ± 6.6	203 ± 8.6	199 ± 5.8
10000.0	109 ± 10.7	202 ± 5.9	181 ± 16.6
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		1111 ± 10.9	1359 ± 14.4
Positive Control ⁵	1387 ± 77.1		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.5	28 ± 5.5	36 ± 3.8
100.0	15 ± 5.8	24 ± 3.8	38 ± 5.4
333.0	13 ± 0.3	22 ± 5.6	43 ± 3.5
1000.0	18 ± 5.5	19 ± 2.9	39 ± 1.5
3333.0	15 ± 1.2	21 ± 6.1	32 ± 6.1
10000.0	14 ± 5.5	23 ± 2.5	29 ± 4.4
Trial Summary	Negative	Negative	Negative
Positive Control ²		318 ± 28.5	1312 ± 29.1
Positive Control ⁶	1101 ± 68.3		

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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: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****