

Experiment Number: 220260

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: N-Methylformamide

CAS Number: 123-39-7

Date Report Requested: 09/14/2018

Time Report Requested: 21:23:59

NTP Study Number:

220260

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	108 ± 7.9	135 ± 4.4	156 ± 7.3	132 ± 5.2	169 ± 9.3
100.0	125 ± 12.7	130 ± 8.8	162 ± 3.5	127 ± 7.2	160 ± 7.2
333.0	109 ± 2.9	118 ± 4.4	161 ± 5.6	121 ± 4.7	154 ± 6.4
1000.0	114 ± 8.4	152 ± 11.6	144 ± 2.7	134 ± 6.8	167 ± 5.3
3333.0	111 ± 7.9	141 ± 4.0	170 ± 1.3	149 ± 3.2	138 ± 7.4
10000.0	113 ± 6.2	117 ± 12.3	166 ± 8.6	138 ± 7.2	149 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					697 ± 12.0
Positive Control ³			411 ± 14.2		
Positive Control ⁴				430 ± 24.3	
Positive Control ⁵	647 ± 32.9	536 ± 17.1			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	153 ± 2.7
100.0	135 ± 5.6
333.0	139 ± 6.1
1000.0	133 ± 5.0
3333.0	122 ± 6.4
10000.0	127 ± 11.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	580 ± 21.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.6	9 ± 1.2	11 ± 1.5	13 ± 1.5	12 ± 1.9
100.0	6 ± 3.9	8 ± 0.9	11 ± 1.0	13 ± 0.9	10 ± 2.6
333.0	10 ± 2.0	6 ± 1.9	9 ± 1.9	10 ± 1.2	13 ± 2.4
1000.0	6 ± 2.5	6 ± 1.2	11 ± 2.0	8 ± 2.0	8 ± 2.7
3333.0	9 ± 2.0	5 ± 1.5	9 ± 1.3	12 ± 2.2	10 ± 0.6
10000.0	10 ± 1.0	10 ± 1.2	12 ± 0.6	6 ± 0.3	9 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					84 ± 3.9
Positive Control ⁴			84 ± 6.2		
Positive Control ⁵	271 ± 17.8	441 ± 7.8			
Positive Control ⁶				82 ± 4.3	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 2.2
100.0	10 ± 1.2
333.0	9 ± 0.7
1000.0	8 ± 2.6
3333.0	8 ± 1.0
10000.0	11 ± 1.2
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	221 ± 13.4
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	218 ± 4.5	213 ± 19.3	219 ± 5.0	222 ± 7.3	201 ± 5.0
100.0	235 ± 8.7	225 ± 8.1	225 ± 2.9	248 ± 29.5	221 ± 4.9
333.0	224 ± 5.1	233 ± 5.8	228 ± 9.5	227 ± 4.1	213 ± 15.4
1000.0	227 ± 9.1	239 ± 3.3	220 ± 9.4	206 ± 9.5	236 ± 1.5
3333.0	224 ± 17.8	221 ± 4.5	232 ± 4.3	211 ± 2.3	225 ± 10.8
10000.0	248 ± 0.7	236 ± 1.2	236 ± 2.8	227 ± 6.2	220 ± 16.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					502 ± 16.5
Positive Control ³			421 ± 5.9		
Positive Control ⁴				364 ± 15.9	
Positive Control ⁷	379 ± 16.7	408 ± 7.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	208 ± 9.6
100.0	208 ± 9.8
333.0	212 ± 3.9
1000.0	223 ± 4.9
3333.0	206 ± 4.4
10000.0	222 ± 7.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	366 ± 14.3
Positive Control ⁴	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 4.3	23 ± 2.7	26 ± 2.9	29 ± 1.2	22 ± 3.5
100.0	20 ± 2.3	24 ± 1.9	24 ± 1.5	22 ± 3.7	30 ± 3.5
333.0	24 ± 1.9	32 ± 3.5	21 ± 3.0	31 ± 4.5	28 ± 3.6
1000.0	23 ± 4.4	20 ± 2.2	20 ± 4.2	19 ± 0.3	27 ± 3.3
3333.0	19 ± 3.2	27 ± 1.0	24 ± 2.8	24 ± 3.0	28 ± 0.7
10000.0	23 ± 2.6	20 ± 0.0	28 ± 5.3	24 ± 1.9	25 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					448 ± 28.3
Positive Control ³			208 ± 14.2	104 ± 11.6	
Positive Control ⁸	495 ± 31.1	433 ± 11.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 1.5
100.0	29 ± 2.2
333.0	21 ± 4.9
1000.0	21 ± 2.6
3333.0	23 ± 1.5
10000.0	14 ± 1.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	414 ± 21.4
Positive Control ⁸	

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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 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **