

Experiment Number: A18350

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **N,N-Dimethylacetoacetamide**

CAS Number: **2044-64-6**

Date Report Requested: **09/16/2018**

Time Report Requested: **02:36:00**

NTP Study Number:

A18350

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	78 ± 1.8	73 ± 2.4	77 ± 5.8	63 ± 4.4
1000.0	70 ± 1.0	73 ± 3.5	68 ± 7.2	73 ± 3.2
2500.0	96 ± 10.4	64 ± 4.3	86 ± 1.5	66 ± 1.5
5000.0	73 ± 4.3	73 ± 4.5	84 ± 2.6	58 ± 4.3
7500.0	68 ± 0.6	72 ± 5.9	84 ± 1.8	60 ± 2.9
10000.0	82 ± 15.3	65 ± 2.7	87 ± 3.5	59 ± 3.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	342 ± 40.2	328 ± 21.7		
Positive Control ³			736 ± 39.4	753 ± 46.0

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	18 ± 1.5	28 ± 1.2	28 ± 5.2	35 ± 3.8
1000.0	13 ± 1.5	26 ± 4.3	21 ± 4.1	31 ± 3.5
2500.0	14 ± 1.5	28 ± 2.4	19 ± 0.6	33 ± 8.7
5000.0	19 ± 2.3	29 ± 5.3	28 ± 4.3	45 ± 6.2
7500.0	21 ± 4.7	24 ± 4.7	17 ± 1.9	36 ± 1.9
10000.0	17 ± 1.9	28 ± 3.5	18 ± 2.0	32 ± 3.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			462 ± 25.8	498 ± 38.6
Positive Control ⁴	582 ± 7.3	393 ± 30.1		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	177 ± 6.6	139 ± 8.1	228 ± 12.7	184 ± 19.9
1000.0	192 ± 6.4	152 ± 2.4	246 ± 11.3	189 ± 13.0
2500.0	234 ± 25.4	161 ± 8.0	233 ± 16.3	212 ± 31.5
5000.0	158 ± 4.7	154 ± 5.0	270 ± 5.2	210 ± 8.1
7500.0	187 ± 9.3	171 ± 10.8	231 ± 4.7	233 ± 12.8
10000.0	224 ± 41.2	130 ± 10.4	277 ± 17.7	206 ± 11.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			915 ± 10.7	1103 ± 37.0
Positive Control ⁶	1124 ± 16.2	1400 ± 6.1		

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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: Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Nitrofluorene
- 5: 20.0 ug/Plate 2-Aminoanthracene
- 6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****