

Experiment Number: A17766

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

G06: Ames Summary Data

Test Compound: **2-Acetylthiazole**

CAS Number: **24295-03-2**

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

Time Report Requested: **02:16:37**

NTP Study Number:

A17766

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	53 ± 4.2	50 ± 1.9	55 ± 7.4	49 ± 7.1
1000.0	44 ± 3.5	39 ± 1.8	69 ± 1.0	57 ± 2.5
2500.0	58 ± 5.6	41 ± 10.4	55 ± 2.9	54 ± 3.7
5000.0	40 ± 10.4	42 ± 8.7	52 ± 2.3	56 ± 1.2
7500.0	28 ± 1.7	40 ± 3.7	40 ± 5.5	45 ± 5.7
10000.0	19 ± 5.9	32 ± 6.4	40 ± 7.0	42 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	380 ± 19.5	383 ± 7.8		
Positive Control ³			390 ± 21.8	369 ± 28.9

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	16 ± 5.7	23 ± 5.0	14 ± 3.8	23 ± 1.8
1000.0	8 ± 2.1	15 ± 2.3	10 ± 2.1	28 ± 0.7
2500.0	6 ± 2.2	18 ± 2.0	7 ± 0.6	24 ± 1.9
5000.0	12 ± 2.1	16 ± 2.5	17 ± 1.9	22 ± 3.4
7500.0	5 ± 0.3	12 ± 2.3	10 ± 2.2	17 ± 1.8
10000.0	2 ± 0.6	9 ± 2.2	5 ± 0.0	17 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			202 ± 12.1	561 ± 71.2
Positive Control ⁴	318 ± 5.7	377 ± 26.8		

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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	230 ± 2.2	145 ± 7.1	225 ± 5.4	203 ± 13.7
100.0	211 ± 6.4	163 ± 8.2	178 ± 8.2	193 ± 9.6
500.0	207 ± 9.2	166 ± 4.4	192 ± 9.0	206 ± 7.9
1000.0	209 ± 11.8	150 ± 4.3	194 ± 7.5	187 ± 11.3
5000.0	195 ± 3.4	140 ± 12.6	159 ± 6.4	177 ± 2.0
10000.0	183 ± 8.4	128 ± 14.5	154 ± 16.3	161 ± 3.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			759 ± 19.9	813 ± 33.8
Positive Control ⁶	833 ± 54.0	627 ± 10.9		

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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 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 ****