

Experiment Number: A17644

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

G06: Ames Summary Data

Test Compound: **2-Butanol**

CAS Number: **78-92-2**

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

Time Report Requested: **02:08:55**

NTP Study Number:

A17644

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹	58 ± 1.2		55 ± 2.6
Vehicle Control ²		72 ± 10.0	
1000.0	64 ± 7.4	62 ± 4.0	49 ± 1.0
2500.0	54 ± 3.5	62 ± 4.3	48 ± 3.2
5000.0	54 ± 3.7	57 ± 6.4	61 ± 1.5
7500.0	53 ± 3.7	51 ± 3.5	57 ± 4.1
10000.0	52 ± 4.2	59 ± 7.5	61 ± 5.3
Trial Summary	Negative	Negative	Negative
Positive Control ³	329 ± 8.7	370 ± 18.2	
Positive Control ⁴			376 ± 8.1

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	15 ± 3.5	23 ± 5.7	28 ± 4.5	29 ± 2.8
1000.0	11 ± 0.9	22 ± 2.8	28 ± 0.9	23 ± 2.3
2500.0	13 ± 3.8	19 ± 3.3	21 ± 1.5	32 ± 2.6
5000.0	11 ± 1.5	24 ± 4.7	30 ± 3.2	21 ± 0.9
7500.0	11 ± 0.6	26 ± 3.5	29 ± 2.4	27 ± 5.8
10000.0	10 ± 3.8	24 ± 2.2	29 ± 4.9	29 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			416 ± 19.6	637 ± 14.7
Positive Control ⁵	440 ± 16.2	637 ± 9.1		

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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	224 ± 2.3	190 ± 8.5	232 ± 3.5	207 ± 7.3
100.0	221 ± 3.0	191 ± 5.6	197 ± 12.1	216 ± 12.0
500.0	204 ± 3.8	183 ± 7.0	230 ± 13.3	244 ± 7.0
1000.0	213 ± 4.1	186 ± 5.9	182 ± 14.0	219 ± 9.8
5000.0	197 ± 3.3	210 ± 14.9	183 ± 7.2	214 ± 13.0
10000.0	250 ± 18.8	174 ± 15.5	247 ± 41.2	239 ± 24.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			759 ± 19.9	813 ± 33.8
Positive Control ⁷	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: Water
- 2: Vehicle Control: Dimethyl Sulfoxide
- 3: 1.0 ug/Plate Sodium Azide
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 4000.0 ug/Plate Methyl Methane Sulfonate

** END OF REPORT **