

Experiment Number: A27555

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

G06: Ames Summary Data

Test Compound: **beta-Alanine**

CAS Number: **107-95-9**

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

Time Report Requested: **14:30:56**

NTP Study Number:

A27555

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	65 ± 5.2	55 ± 5.4	67 ± 6.7	60 ± 13.7
1000.0	48 ± 2.3	48 ± 2.0	64 ± 0.9	60 ± 0.9
2500.0	64 ± 4.6	52 ± 2.4	77 ± 1.9	54 ± 5.6
5000.0	57 ± 2.8	52 ± 1.7	66 ± 2.3	55 ± 4.9
7500.0	50 ± 4.4	47 ± 3.5	63 ± 4.2	61 ± 4.4
10000.0	69 ± 15.3	33 ± 2.0	70 ± 10.2	42 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	313 ± 10.0	352 ± 5.9		
Positive Control ³			457 ± 35.7	430 ± 10.4

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	19 ± 3.5	18 ± 0.3	25 ± 5.9	22 ± 1.2
1000.0	20 ± 2.2	18 ± 1.3	22 ± 2.4	14 ± 2.0
2500.0	17 ± 1.5	17 ± 0.7	22 ± 2.4	9 ± 1.9
5000.0	19 ± 0.7	17 ± 0.9	18 ± 3.2	9 ± 2.1
7500.0	27 ± 4.2	14 ± 1.8	24 ± 4.0	13 ± 0.3
10000.0	20 ± 4.3	16 ± 0.9	19 ± 3.8	11 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			397 ± 8.8	377 ± 7.5
Positive Control ⁴	493 ± 24.9	466 ± 22.5		

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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	220 ± 4.3	190 ± 8.5	232 ± 3.5	207 ± 7.3
100.0	226 ± 13.1	196 ± 4.7	219 ± 8.8	215 ± 4.9
500.0	218 ± 6.1	209 ± 10.5	227 ± 6.2	212 ± 7.6
1000.0	219 ± 5.4	180 ± 12.5	206 ± 16.3	213 ± 12.7
5000.0	243 ± 2.9	185 ± 6.5	212 ± 5.6	206 ± 3.5
10000.0	212 ± 5.2	216 ± 33.3	244 ± 48.5	216 ± 18.9
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: 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 ****