

Experiment Number: A23688

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

G06: Ames Summary Data

Test Compound: **DL-alanine**

CAS Number: **302-72-7**

Date Report Requested: **09/18/2018**

Time Report Requested: **09:23:50**

NTP Study Number:

A23688

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	62 ± 2.9	54 ± 5.0	67 ± 1.9	65 ± 3.8
2500.0	74 ± 12.4	46 ± 6.4	75 ± 10.6	56 ± 1.8
5000.0	57 ± 16.7	42 ± 4.3	78 ± 3.8	56 ± 3.5
7500.0	71 ± 1.8	46 ± 3.7	79 ± 2.3	54 ± 0.6
10000.0	71 ± 8.8	31 ± 1.9	73 ± 2.6	57 ± 1.0
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	22 ± 1.2	25 ± 5.9
1000.0	13 ± 1.2	15 ± 2.2	12 ± 2.6	19 ± 2.6
2500.0	15 ± 2.1	16 ± 0.9	11 ± 2.3	22 ± 2.1
5000.0	13 ± 1.0	14 ± 0.9	17 ± 0.6	25 ± 1.7
7500.0	16 ± 1.5	14 ± 1.2	14 ± 1.2	26 ± 1.5
10000.0	11 ± 1.3	12 ± 2.0	13 ± 1.0	15 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			377 ± 7.5	397 ± 8.8
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	219 ± 3.3	215 ± 16.1	221 ± 1.7	229 ± 16.4
500.0	228 ± 9.8	182 ± 8.8	227 ± 12.4	205 ± 4.7
1000.0	226 ± 7.7	202 ± 9.4	187 ± 2.1	228 ± 8.8
5000.0	226 ± 10.1	228 ± 9.3	227 ± 7.4	236 ± 4.0
10000.0	226 ± 3.5	229 ± 15.2	229 ± 11.3	254 ± 20.3
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 ****