

Experiment Number: A34172

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

G06: Ames Summary Data

Test Compound: **Pelargonic acid**

CAS Number: **112-05-0**

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

Time Report Requested: **17:53:50**

NTP Study Number:

A34172

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	135 ± 8.0	135 ± 4.9	116 ± 9.0	112 ± 0.9
500.0	124 ± 6.1	127 ± 9.2	163 ± 3.4	113 ± 6.7
1000.0	107 ± 7.9	121 ± 7.2	161 ± 17.9	120 ± 12.9
2500.0	125 ± 11.8	139 ± 3.5	113 ± 14.7	112 ± 7.7
3500.0	87 ± 5.9	107 ± 7.9	114 ± 6.1	64 ± 0.6
5000.0	41 ± 10.3	36 ± 9.3	36 ± 20.4	18 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	504 ± 55.4	545 ± 76.1		
Positive Control ³			593 ± 28.5	475 ± 16.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	23 ± 2.5	25 ± 1.2	29 ± 3.2	23 ± 3.3
500.0	23 ± 1.5	22 ± 1.8	29 ± 2.6	21 ± 0.9
1000.0	22 ± 2.6	21 ± 1.5	24 ± 2.1	27 ± 4.0
2500.0	24 ± 4.3	23 ± 3.5	36 ± 2.5	32 ± 0.9
3500.0	17 ± 2.6	17 ± 3.8	20 ± 3.0	15 ± 2.4
5000.0	10 ± 1.2	8 ± 2.3	9 ± 0.6	8 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			355 ± 22.9	631 ± 31.0
Positive Control ⁴	532 ± 43.0	636 ± 18.0		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	237 ± 4.6	259 ± 1.7
500.0	216 ± 5.0	235 ± 22.3
1000.0	242 ± 22.3	282 ± 10.7
2500.0	228 ± 10.1	235 ± 20.6
3500.0	131 ± 29.2	273 ± 16.1
5000.0	75 ± 15.0	172 ± 8.8
Trial Summary	Negative	Negative
Positive Control ⁵		595 ± 18.7
Positive Control ⁶	558 ± 31.2	

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	244 ± 19.6	211 ± 9.8
500.0	221 ± 6.4	198 ± 10.4
1000.0	208 ± 3.0	207 ± 27.0
2500.0	232 ± 7.5	144 ± 13.9
3500.0	99 ± 4.9	97 ± 23.0
5000.0	42 ± 9.4	133 ± 32.1
Trial Summary	Negative	Negative
Positive Control ⁵		554 ± 4.5
Positive Control ⁶	635 ± 7.2	

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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 ****