

Experiment Number: **G10345I**

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

G06: Ames Summary Data

Test Compound: **Valerian (various)**

CAS Number: **8008-88-6**

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

Time Report Requested: **11:24:55**

NTP Study Number:

G10345I

Study Result:

Negative

Experiment Number: **G103451**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **Valerian (various)**
CAS Number: **8008-88-6**

Date Report Requested: **09/18/2018**
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	137 ± 1.3	113 ± 5.4	128 ± 8.7	111 ± 6.4
12.5	134 ± 15.3	93 ± 12.4	134 ± 18.4	121 ± 12.9
50.0	125 ± 7.6	101 ± 5.4	133 ± 10.4	106 ± 8.3
125.0	110 ± 5.5	100 ± 7.6	141 ± 4.4	105 ± 3.1
500.0	123 ± 11.4	107 ± 2.2	139 ± 7.9	100 ± 5.2
1500.0	139 ± 7.9	99 ± 11.6	135 ± 18.6	131 ± 15.2
6000.0	137 ± 9.2	125 ± 6.7	140 ± 11.3	132 ± 9.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	774 ± 22.2	719 ± 27.5		
Positive Control ³			980 ± 46.6	854 ± 23.9

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	19 ± 0.7	15 ± 1.5	22 ± 3.5	27 ± 1.9
12.5	12 ± 2.2	14 ± 2.6	18 ± 4.2	35 ± 4.4
50.0	7 ± 1.5	16 ± 1.2	19 ± 0.6	29 ± 4.0
125.0	16 ± 1.7	19 ± 2.0	20 ± 2.3	26 ± 1.2
500.0	16 ± 2.6	18 ± 1.2	23 ± 6.7	31 ± 1.7
1500.0	13 ± 2.7	22 ± 1.8	20 ± 1.3	38 ± 1.9
6000.0	18 ± 4.6	23 ± 2.5	41 ± 1.8	38 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			2612 ± 100.0	3151 ± 10.3
Positive Control ⁵	520 ± 83.3	555 ± 49.0		

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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	207 ± 13.2	193 ± 35.7	181 ± 14.9	246 ± 19.4
12.5	139 ± 5.9	219 ± 4.2	194 ± 5.5	244 ± 10.6
50.0	163 ± 22.8	216 ± 17.8	178 ± 12.7	243 ± 7.4
125.0	208 ± 8.3	232 ± 11.3	173 ± 7.6	235 ± 2.3
500.0	216 ± 10.4	205 ± 0.7	179 ± 2.6	257 ± 12.0
1500.0	223 ± 4.2	134 ± 12.1	200 ± 7.8	261 ± 5.6
6000.0	222 ± 5.4	161 ± 17.1	185 ± 7.5	258 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1614 ± 55.8	1521 ± 64.7		
Positive Control ⁷			1558 ± 16.7	2148 ± 43.1

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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: Distilled Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.0 ug/Plate Other Positive Control
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 0.25 ug/Plate Other Positive Control
- 7: 20.0 ug/Plate 2-Aminoanthracene

**** END OF REPORT ****