

Experiment Number: **A62042**

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

G06: Ames Summary Data

Test Compound: **Vincamine**

CAS Number: **1617-90-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **09:15:00**

NTP Study Number:

A62042

Study Result:

Negative

Experiment Number: A62042

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Vincamine

Time Report Requested: 09:15:00

CAS Number: 1617-90-9

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	67 ± 2.4	99 ± 4.0	58 ± 2.7	69 ± 2.0	70 ± 2.1
100.0					68 ± 2.7
500.0					63 ± 4.9
1000.0	95 ± 3.2	101 ± 4.9	44 ± 3.7	69 ± 2.6	22 ± 3.2
1500.0					16 ± 1.5
2500.0	81 ± 5.8	93 ± 4.6	10 ± 1.5	69 ± 4.9	6 ± 1.2
5000.0	68 ± 6.4	70 ± 4.6	0 ± 0.0	63 ± 5.0	5 ± 1.2
7500.0	55 ± 0.6 ^P	80 ± 3.8	0 ± 0.0	62 ± 4.9	4 ± 0.3
10000.0	72 ± 1.5 ^P	78 ± 3.1	0 ± 0.0	60 ± 7.1	2 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	844 ± 42.5	737 ± 40.5			
Positive Control ³			458 ± 29.9	905 ± 19.0	348 ± 24.6

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	24 ± 0.7	16 ± 1.8	34 ± 1.7	25 ± 4.4
1000.0	39 ± 2.2	16 ± 2.1	32 ± 2.5	18 ± 2.3
2500.0	38 ± 5.0	19 ± 0.9	30 ± 1.2	10 ± 0.9
5000.0	30 ± 3.6	22 ± 3.5	35 ± 1.2	16 ± 2.2
7500.0	41 ± 2.1 ^P	21 ± 0.7	28 ± 3.3 ^P	20 ± 2.7
10000.0	30 ± 3.7 ^P	18 ± 2.9	25 ± 0.3 ^P	11 ± 1.3
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control ³			787 ± 4.0	787 ± 91.0
Positive Control ⁴	441 ± 42.5	411 ± 40.7		

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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	188 ± 3.8	136 ± 5.2	225 ± 14.5	185 ± 4.5
1000.0	172 ± 6.5	157 ± 2.0	204 ± 11.7	187 ± 8.8
2500.0	170 ± 4.9	145 ± 3.7	233 ± 14.3	168 ± 3.7
5000.0	160 ± 4.7	148 ± 5.0	208 ± 9.0	173 ± 5.4
7500.0	157 ± 2.4	148 ± 7.8	210 ± 6.1	167 ± 3.8
10000.0	161 ± 9.8	142 ± 3.5	207 ± 6.5	168 ± 3.3
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control ⁵			1298 ± 51.1	1144 ± 12.2
Positive Control ⁶	1810 ± 66.4	1992 ± 80.8		

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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

p: Precipitate

** END OF REPORT **