

Experiment Number: A18867

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

G06: Ames Summary Data

Test Compound: **Arbutin**

CAS Number: **497-76-7**

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

Time Report Requested: **09:18:12**

NTP Study Number:

A18867

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	92 ± 11.3	87 ± 2.9	96 ± 4.0	79 ± 2.9
1000.0	91 ± 6.2	92 ± 3.5	102 ± 8.9	80 ± 1.5
2500.0	85 ± 4.6	81 ± 8.7	104 ± 1.0	71 ± 3.8
5000.0	82 ± 5.0	77 ± 2.0	108 ± 9.5	81 ± 4.2
7500.0	93 ± 6.6	81 ± 4.6	90 ± 3.2	69 ± 5.9
10000.0	84 ± 1.3	79 ± 1.3	78 ± 3.7	64 ± 5.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	531 ± 60.0	653 ± 19.1		
Positive Control ³			1012 ± 97.5	1026 ± 21.2

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	16 ± 2.0	21 ± 1.2	22 ± 0.9	32 ± 2.1
1000.0	18 ± 1.8	27 ± 3.0	20 ± 2.0	23 ± 4.1
2500.0	13 ± 0.9	20 ± 2.9	19 ± 2.6	22 ± 1.2
5000.0	17 ± 1.8	26 ± 3.3	16 ± 1.2	26 ± 0.9
7500.0	14 ± 1.9	29 ± 5.5	24 ± 3.8	25 ± 1.2
10000.0	13 ± 2.3	25 ± 1.2	17 ± 0.6	24 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1042 ± 124.3	1020 ± 39.3
Positive Control ⁴	701 ± 61.5	662 ± 22.2		

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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	178 ± 12.3	175 ± 8.2	280 ± 10.6	231 ± 7.5
1000.0	202 ± 21.1	188 ± 5.0	317 ± 5.2	225 ± 10.5
2500.0	180 ± 4.7	171 ± 8.7	299 ± 9.3	224 ± 9.5
5000.0	187 ± 6.9	178 ± 4.6	296 ± 11.5	206 ± 2.6
7500.0	226 ± 4.7	184 ± 6.3	309 ± 1.8	237 ± 3.7
10000.0	208 ± 20.5	177 ± 3.8	306 ± 10.1	227 ± 12.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			948 ± 27.1	1107 ± 15.9
Positive Control ⁶	1034 ± 62.5	2003 ± 68.7		

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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 ****