

Experiment Number: **G00058V**

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

G06: Ames Summary Data

Test Compound: **Actaea racemosa (black cohosh) XRM**

CAS Number: **Actaea_racemosa_XRM_2015**

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

Time Report Requested: **08:43:22**

NTP Study Number:

G00058V

Study Result:

Negative

Experiment Number: G00058V

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G06: Ames Summary Data

Test Compound: Actaea racemosa (black cohosh) XRM
CAS Number: Actaea_racemosa_XRM_2015

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Strain: TA100

Dose (ug/plate)	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹	79.3 ± 6.3	76 ± 5.5	103 ± 6.4	110.7 ± 19.7
187.5	68.3 ± 5.0	87.3 ± 8.6	95 ± 5.9	79 ± 6.1
375	83.7 ± 8.3	90 ± 2.3	89 ± 4.7	75.3 ± 9.8
750	86 ± 3.2	84.7 ± 2.7	89.7 ± 6.7	76.3 ± 2.8
1500	110 ± 5.8	76.3 ± 5.4	104.7 ± 4.3	79 ± 6.2
3000	95.3 ± 2.4	70.7 ± 6.1	104 ± 4.0	111.3 ± 12.8
6000	83 ± 7.2	72 ± 2.0	88 ± 8.0	114 ± 5.0 ^s
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	500 ± 29.0	868.3 ± 10.7	441 ± 28.3	
Positive Control ³				452.3 ± 13.8

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Strain: TA98

Dose (ug/plate)	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹	13 ± 0.6	11.7 ± 1.9	13 ± 2.1	22.3 ± 0.3
187.5	18.7 ± 0.7	10.7 ± 0.9	13 ± 3.2	20.3 ± 1.3
375	16.3 ± 1.8	14.7 ± 1.9	15.3 ± 2.3	24.7 ± 1.9
750	22 ± 5.3	10.7 ± 0.9	13.7 ± 2.9	23 ± 1.7
1500	19 ± 0.6	21.7 ± 3.9	19.3 ± 0.9	25 ± 1.5
3000	21.3 ± 0.9	18 ± 1.5	19 ± 1.5	23 ± 2.9
6000	24.3 ± 6.0	12.7 ± 2.7	21.7 ± 1.2	27 ± 3.5
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control ⁴				1805.3 ± 119.8
Positive Control ⁵	868.3 ± 24.0	510 ± 78.4	532.7 ± 51.0	

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	97.7 ± 2.7	135.3 ± 6.1
187.5	119 ± 2.9	194 ± 5.0
375	103.7 ± 1.8	165.3 ± 10.1
750	119.7 ± 1.8	165.7 ± 2.7
1500	96 ± 9.5	160 ± 7.0
3000	99.7 ± 3.8	156 ± 1.0
6000	86.3 ± 6.7	139.7 ± 7.0
Trial Summary	Negative	Negative
Positive Control ⁶	1658 ± 61.4	
Positive Control ⁷		1233.7 ± 17.5

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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: DMSO

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2 ug/plate 2-Aminoanthracene

5: 3 ug/plate 2-Nitrofluorene

6: 0.25 ug/plate 4-Nitroquinoline-N-oxide

7: 20 ug/plate 2-Aminoanthracene

s: Slight Toxicity

**** END OF REPORT ****