

Experiment Number: 883303

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

G06: Ames Summary Data

Test Compound: **Benzyl acetate**

CAS Number: 140-11-4

Date Report Requested: 09/16/2018

Time Report Requested: 19:44:36

NTP Study Number:

883303

Study Result:

Negative

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Mutagenicity

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Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 09/16/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	75 ± 7.9	97 ± 3.5	112 ± 14.5	105 ± 14.9	96 ± 8.0
33.0		102 ± 6.7			
100.0	83 ± 0.3	101 ± 4.0	134 ± 6.3	122 ± 2.9	123 ± 1.2
333.0	81 ± 4.7	85 ± 5.8	97 ± 7.0	110 ± 12.3	110 ± 4.0
1000.0	78 ± 9.8	91 ± 14.4	95 ± 12.7	99 ± 12.1	98 ± 8.4
3333.0	70 ± 9.5	58 ± 11.7	96 ± 5.2	78 ± 4.1	90 ± 5.8
10000.0	Toxic		107 ± 6.5	95 ± 6.5	73 ± 11.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1040 ± 101.7	961 ± 89.2	1759 ± 39.8
Positive Control ³	705 ± 51.8	481 ± 29.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	102 ± 7.3
33.0	
100.0	67 ± 2.7
333.0	97 ± 9.6
1000.0	93 ± 2.7
3333.0	104 ± 15.5
10000.0	84 ± 9.0
Trial Summary	Negative
Positive Control ²	1770 ± 34.1
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.9	8 ± 0.3	8 ± 2.2	6 ± 1.3	8 ± 1.2
33.0		5 ± 0.9			
100.0	5 ± 1.7	4 ± 0.6	9 ± 2.0	6 ± 1.5	8 ± 0.9
333.0	7 ± 2.4	5 ± 0.6	5 ± 0.9	6 ± 1.2	12 ± 1.8
1000.0	6 ± 2.0	4 ± 0.6	5 ± 1.2	5 ± 0.3	7 ± 1.7
3333.0	4 ± 0.7	3 ± 0.3	8 ± 2.0	8 ± 3.0	6 ± 1.9
10000.0	0 ± 0.0		5 ± 0.9	5 ± 2.3	3 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			51 ± 6.2	43 ± 3.5	63 ± 18.0
Positive Control ³	407 ± 40.8	724 ± 63.9			

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Test Compound: **Benzyl acetate**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5
33.0	
100.0	6 ± 1.2
333.0	8 ± 1.2
1000.0	2 ± 0.9
3333.0	3 ± 1.2
10000.0	1 ± 0.7
Trial Summary	Negative
Positive Control ²	106 ± 2.6
Positive Control ³	

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Benzyl acetate

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.7	2 ± 0.0	5 ± 0.6	7 ± 1.3	11 ± 2.8
100.0	6 ± 2.1	2 ± 1.0	11 ± 3.0	6 ± 1.2	6 ± 1.2
333.0	4 ± 1.5	5 ± 1.0	5 ± 1.8	9 ± 0.3	7 ± 2.3
1000.0	5 ± 0.3	1 ± 0.7	4 ± 0.7	7 ± 3.2	4 ± 0.0
3333.0	3 ± 2.1	Toxic	5 ± 1.2	5 ± 1.5	5 ± 0.9
10000.0	Toxic	Toxic	7 ± 1.5	4 ± 1.3	6 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			74 ± 7.7	82 ± 14.2	123 ± 14.6
Positive Control ⁴	104 ± 24.3	224 ± 32.4			

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Test Compound: **Benzyl acetate**

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2
100.0	8 ± 2.3
333.0	4 ± 0.9
1000.0	4 ± 1.2
3333.0	3 ± 0.3
10000.0	6 ± 1.2
Trial Summary	Negative
Positive Control ²	79 ± 9.2
Positive Control ⁴	

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Test Compound: Benzyl acetate

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.3	12 ± 2.8	19 ± 2.5	20 ± 1.2	18 ± 5.6
100.0	12 ± 3.1	11 ± 1.2	16 ± 0.7	23 ± 2.5	18 ± 1.2
333.0	13 ± 1.0	13 ± 0.3	16 ± 2.2	24 ± 1.9	10 ± 0.7
1000.0	8 ± 1.2	15 ± 3.5	13 ± 1.3	20 ± 3.2	12 ± 2.6
3333.0	8 ± 1.2	12 ± 2.3	10 ± 0.9	19 ± 4.8	8 ± 1.5
10000.0	1 ± 0.6	8 ± 1.0	9 ± 1.5	18 ± 4.1	7 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			431 ± 22.2	524 ± 49.4	1169 ± 48.5
Positive Control ⁵	87 ± 10.7	140 ± 3.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.6
100.0	20 ± 1.8
333.0	20 ± 3.8
1000.0	16 ± 1.9
3333.0	19 ± 2.3
10000.0	12 ± 1.3
Trial Summary	Negative
Positive Control ²	1169 ± 69.6
Positive Control 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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****