

Experiment Number: 939394

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

G06: Ames Summary Data

Test Compound: **Benzyl phenylacetate**

CAS Number: **102-16-9**

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

Time Report Requested: **12:23:12**

NTP Study Number:

939394

Study Result:

Negative

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	141 ± 7.3	106 ± 3.7	145 ± 7.0	161 ± 5.1	117 ± 8.2
0.3		101 ± 2.3			
1.0	154 ± 4.3	104 ± 4.0			
3.0	154 ± 10.8	97 ± 6.9			
10.0	150 ± 14.6	109 ± 8.0			
33.0	152 ± 8.5	89 ± 1.7			
66.0	58 ± 4.8 ^s				
100.0			130 ± 9.9	157 ± 1.5	123 ± 3.6
333.0			128 ± 3.5	180 ± 7.1	130 ± 10.1
1000.0			122 ± 5.8	163 ± 1.7	118 ± 10.1
3333.0			106 ± 12.4	173 ± 4.7	116 ± 3.5
10000.0			104 ± 13.8	153 ± 7.9	105 ± 5.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					587 ± 43.3
Positive Control ³			422 ± 16.5		
Positive Control ⁴				443 ± 42.6	
Positive Control ⁵	466 ± 15.3	704 ± 58.5			

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	165 ± 4.1
0.3	
1.0	
3.0	
10.0	
33.0	
66.0	
100.0	190 ± 11.7
333.0	161 ± 12.8
1000.0	190 ± 9.7
3333.0	148 ± 20.2
10000.0	186 ± 17.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	638 ± 10.9
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.9	12 ± 1.5	13 ± 2.0	12 ± 0.3	14 ± 2.9
0.3	12 ± 1.2	8 ± 0.9			
1.0	9 ± 0.9	9 ± 0.7			
3.0	10 ± 1.2	7 ± 0.9			
10.0	10 ± 2.1	10 ± 2.3			
33.0	9 ± 1.0	10 ± 1.9			
100.0			13 ± 2.3	19 ± 0.3	12 ± 0.3
333.0			13 ± 3.7	15 ± 2.3	10 ± 2.6
1000.0			8 ± 2.2	12 ± 0.3	12 ± 1.7
3333.0			10 ± 1.5	9 ± 0.6	9 ± 1.5
10000.0			8 ± 2.0	8 ± 1.2	10 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					61 ± 0.9
Positive Control ⁴			71 ± 8.1		
Positive Control ⁵	585 ± 19.9	635 ± 37.5			
Positive Control ⁶				106 ± 10.8	

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.1
0.3	
1.0	
3.0	
10.0	
33.0	
100.0	12 ± 0.9
333.0	8 ± 1.5
1000.0	4 ± 1.2
3333.0	8 ± 1.5
10000.0	7 ± 0.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	256 ± 24.9
Positive Control ⁵	
Positive Control ⁶	

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	203 ± 6.2	199 ± 0.9	188 ± 5.5	231 ± 8.0	168 ± 10.0
0.3	207 ± 4.1	179 ± 3.7			
1.0	223 ± 8.5	175 ± 5.0			
3.0	199 ± 7.5	182 ± 10.4			
10.0	189 ± 4.0	176 ± 7.2			
33.0	191 ± 4.8	185 ± 13.7			
100.0			190 ± 5.6	237 ± 11.7	187 ± 8.6
333.0			220 ± 9.7	242 ± 15.5	189 ± 15.8
1000.0			187 ± 1.8	243 ± 6.6	164 ± 12.7
3333.0			148 ± 10.4	254 ± 15.7	146 ± 4.3
10000.0			162 ± 13.3	190 ± 2.3	128 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					342 ± 48.5
Positive Control ³			282 ± 8.6		
Positive Control ⁴				378 ± 19.7	
Positive Control ⁷	554 ± 8.3	470 ± 27.7			

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	218 ± 10.9
0.3	
1.0	
3.0	
10.0	
33.0	
100.0	227 ± 2.6
333.0	211 ± 5.9
1000.0	199 ± 11.6
3333.0	204 ± 16.3
10000.0	185 ± 14.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	426 ± 12.7
Positive Control ⁴	
Positive Control ⁷	

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	22 ± 3.1	21 ± 3.7	27 ± 3.2	20 ± 2.4	23 ± 3.1
0.3		17 ± 0.0			
1.0	24 ± 2.5	20 ± 4.4			
3.0	27 ± 1.8	12 ± 3.2			
10.0	22 ± 1.7	19 ± 2.8		21 ± 2.6	
33.0	15 ± 1.5	17 ± 0.6		19 ± 1.5	
66.0	4 ± 1.7 ^s				
100.0			18 ± 1.5	14 ± 1.2	23 ± 4.4
333.0			19 ± 4.3	8 ± 1.9	24 ± 2.7
1000.0			13 ± 2.2	5 ± 0.9 ^s	16 ± 2.0
3333.0			9 ± 2.3		15 ± 2.9
10000.0			5 ± 0.9 ^s		12 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			332 ± 30.3	341 ± 15.0	129 ± 3.8
Positive Control ⁸	399 ± 23.8	894 ± 16.8			

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 0.3	22 ± 5.8	20 ± 2.6
0.3			
1.0			
3.0			
10.0		16 ± 2.1	
33.0		15 ± 1.5	
66.0			
100.0	17 ± 0.6	18 ± 1.0	22 ± 2.6
333.0	16 ± 0.6	12 ± 2.3	24 ± 4.8
1000.0	11 ± 1.2	11 ± 0.9	22 ± 4.3
3333.0	7 ± 0.9 ^s		18 ± 1.5
10000.0	4 ± 1.0 ^s		10 ± 2.2
Trial Summary	Negative	Negative	Negative
Positive Control ²	473 ± 18.5	584 ± 7.8	
Positive Control ³			345 ± 9.1
Positive Control ⁸			

Experiment Number: 939394

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Benzyl phenylacetate

CAS Number: 102-16-9

Date Report Requested: 09/17/2018

Time Report Requested: 12:23:12

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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****