

Experiment Number: 718125

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

G06: Ames Summary Data

Test Compound: **Methylbenzoate**

CAS Number: **93-58-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:27:15**

NTP Study Number:

718125

Study Result:

Negative

Experiment Number: 718125

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity****G06: Ames Summary Data**Test Compound: **Methylbenzoate**CAS Number: **93-58-3**Date Report Requested: **09/12/2018**Time Report Requested: **00:27:15****Strain: TA100**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	147 ± 15.0	114 ± 7.3	133 ± 10.1	165 ± 3.8	141 ± 11.0
10.0	157 ± 11.7	126 ± 4.7			
33.0	144 ± 3.7	126 ± 9.5	133 ± 10.0		137 ± 7.6
100.0	158 ± 9.7	136 ± 7.5	151 ± 6.4	152 ± 7.8	120 ± 5.4
333.0	165 ± 6.7	110 ± 1.2	158 ± 3.4	150 ± 1.7	117 ± 5.5
666.0	160 ± 3.5	88 ± 3.6			
1000.0			144 ± 10.0	154 ± 7.4	108 ± 4.6
3333.0			83 ± 18.0	124 ± 1.2	82 ± 20.7
6666.0				63 ± 1.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1223 ± 32.8
Positive Control ³			906 ± 15.4		
Positive Control ⁴	450 ± 6.3	319 ± 7.4			
Positive Control ⁵				536 ± 14.4	

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Test Compound: **Methylbenzoate**

CAS Number: **93-58-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:27:15**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	150 ± 11.8
10.0	
33.0	
100.0	170 ± 4.7
333.0	169 ± 1.9
666.0	
1000.0	162 ± 5.3
3333.0	117 ± 5.0
6666.0	74 ± 4.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	736 ± 21.3
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: 718125

Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Methylbenzoate**CAS Number: **93-58-3**Date Report Requested: **09/12/2018**Time Report Requested: **00:27:15****Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.0	19 ± 1.8	9 ± 3.3	18 ± 0.7	12 ± 3.1
10.0	19 ± 4.5	19 ± 0.7			
33.0	16 ± 0.6	17 ± 3.3	8 ± 1.2		5 ± 0.6
100.0	14 ± 0.6	24 ± 0.6	13 ± 2.8	14 ± 1.7	11 ± 0.9
333.0	20 ± 5.1	18 ± 2.4	11 ± 2.9	13 ± 0.3	9 ± 1.2
666.0	11 ± 1.3	9 ± 0.3			
1000.0			6 ± 1.5	9 ± 0.9	6 ± 1.2
3333.0			5 ± 1.5	6 ± 1.5	7 ± 1.5
6666.0				4 ± 0.7	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					160 ± 14.8
Positive Control ⁴	583 ± 19.2	189 ± 2.6			
Positive Control ⁵			119 ± 19.3		
Positive Control ⁶				176 ± 14.2	

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G06: Ames Summary Data
Test Compound: **Methylbenzoate**
CAS Number: **93-58-3**

Date Report Requested: **09/12/2018**
Time Report Requested: **00:27:15**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 1.2
10.0	
33.0	
100.0	10 ± 1.9
333.0	9 ± 0.3
666.0	
1000.0	8 ± 0.3
3333.0	9 ± 0.6
6666.0	4 ± 1.5
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	633 ± 57.1
Positive Control ⁶	

Experiment Number: 718125

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

G06: Ames Summary Data

Test Compound: **Methylbenzoate**

CAS Number: **93-58-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **00:27:15**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.8	11 ± 1.5	14 ± 1.9
10.0	9 ± 2.3		
33.0	11 ± 3.1		
100.0	9 ± 3.2	9 ± 2.3	10 ± 0.7
333.0	11 ± 0.9	10 ± 1.5	10 ± 1.0
666.0	6 ± 1.5		
1000.0		9 ± 1.2	6 ± 0.6
3333.0		8 ± 1.2	7 ± 1.3
6666.0		5 ± 1.5	4 ± 0.0
Trial Summary	Negative	Negative	Negative
Positive Control ³			68 ± 5.6
Positive Control ⁵		44 ± 1.8	
Positive Control ⁷	216 ± 47.0		

Experiment Number: 718125

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity****G06: Ames Summary Data**Test Compound: **Methylbenzoate**CAS Number: **93-58-3**Date Report Requested: **09/12/2018**Time Report Requested: **00:27:15****Strain: TA97**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	133 ± 9.1	151 ± 6.9	200 ± 7.4	148 ± 16.1	208 ± 3.5
10.0	160 ± 6.4	162 ± 6.1			
33.0	159 ± 2.7	153 ± 9.0	211 ± 6.8		209 ± 3.7
100.0	151 ± 2.0	159 ± 2.2	221 ± 9.0	197 ± 3.5	199 ± 2.3
333.0	149 ± 2.0	166 ± 4.9	206 ± 7.9	206 ± 5.2	209 ± 5.4
666.0	125 ± 7.6	118 ± 6.2			
1000.0			165 ± 8.4	186 ± 14.5	192 ± 11.0
1666.0			166 ± 14.5		139 ± 17.4
3333.0				13 ± 3.0	
6666.0				1 ± 0.3	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²					
Positive Control ³			465 ± 20.6		
Positive Control ⁵				421 ± 13.3	444 ± 6.1
Positive Control ⁷	742 ± 48.2	497 ± 18.9			

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Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methylbenzoate

CAS Number: 93-58-3

Date Report Requested: 09/12/2018

Time Report Requested: 00:27:15

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	194 ± 8.2	154 ± 9.1	156 ± 11.3
10.0			
33.0	203 ± 10.0		166 ± 5.7
100.0	199 ± 10.1	155 ± 15.3	179 ± 3.6
333.0	211 ± 2.0	182 ± 5.4	173 ± 3.8
666.0			
1000.0	181 ± 3.1	171 ± 9.2	174 ± 5.3
1666.0	167 ± 5.6		140 ± 8.7
3333.0		64 ± 6.1	
6666.0		0 ± 0.0	
Trial Summary	Negative	Negative	Negative
Positive Control ²	601 ± 21.1		
Positive Control ³		507 ± 40.6	403 ± 26.7
Positive Control ⁵			
Positive Control ⁷			

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Methylbenzoate**CAS Number: **93-58-3**Date Report Requested: **09/12/2018**Time Report Requested: **00:27:15****Strain: TA98**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 3.5	14 ± 3.0	24 ± 1.0	32 ± 1.9	33 ± 4.8
10.0	19 ± 0.6	22 ± 1.7			
33.0	18 ± 2.0	15 ± 3.2	29 ± 5.6		34 ± 3.0
100.0	15 ± 2.1	16 ± 2.0	24 ± 1.5	32 ± 2.7	28 ± 3.8
333.0	18 ± 1.7	13 ± 1.7	26 ± 2.4	29 ± 4.7	27 ± 3.5
666.0	14 ± 2.3	8 ± 2.0			
1000.0			20 ± 2.6	26 ± 1.8	23 ± 2.4
3333.0			14 ± 3.1	23 ± 2.6	18 ± 1.8
6666.0				20 ± 3.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1161 ± 61.8
Positive Control ³			725 ± 6.1	147 ± 18.8	
Positive Control ⁸	543 ± 21.3	908 ± 22.3			

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CAS Number: **93-58-3**

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 2.1
10.0	
33.0	
100.0	30 ± 3.8
333.0	24 ± 2.9
666.0	
1000.0	26 ± 3.1
3333.0	18 ± 3.8
6666.0	15 ± 1.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	425 ± 22.2
Positive Control 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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

**** END OF REPORT ****