

Experiment Number: 720130

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Triphenylamine

CAS Number: 603-34-9

Date Report Requested: 09/12/2018

Time Report Requested: 00:55:20

NTP Study Number:

720130

Study Result:

Negative

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Date Report Requested: 09/12/2018
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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	115 ± 5.5	132 ± 2.8	124 ± 11.0	146 ± 10.1	114 ± 16.2
10.0	98 ± 8.1	102 ± 4.7			
33.0	102 ± 5.8	95 ± 1.5			
100.0	103 ± 12.3	69 ± 25.9	156 ± 19.2	153 ± 0.9	149 ± 9.9
137.0					
333.0	99 ± 6.6	71 ± 5.9	120 ± 14.6	148 ± 10.7	142 ± 9.3
667.0					
1000.0	Toxic	Toxic	151 ± 1.8	163 ± 11.2	175 ± 7.0
1667.0					
3333.0			149 ± 5.1	121 ± 11.6	158 ± 13.3
10000.0			13 ± 1.5	Toxic	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²			478 ± 66.0	1176 ± 54.0	1419 ± 207.8
Positive Control ³	1573 ± 95.6	1038 ± 40.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	113 ± 12.5	133 ± 5.4
10.0		
33.0	136 ± 11.5	
100.0	149 ± 6.0	
137.0		140 ± 4.7
333.0	152 ± 3.0	107 ± 6.6
667.0		129 ± 10.7
1000.0	157 ± 4.7	137 ± 0.7
1667.0		149 ± 4.0
3333.0	137 ± 13.5	
10000.0		
Trial Summary	Equivocal	Negative
Positive Control ²	2110 ± 68.7	897 ± 17.8
Positive Control ³		

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CAS Number: 603-34-9

Date Report Requested: 09/12/2018

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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	6 ± 0.9	19 ± 0.9	10 ± 0.6	23 ± 1.8	14 ± 1.9
3.3		17 ± 1.5			
10.0	11 ± 0.6	18 ± 1.8			
33.0	10 ± 1.9	15 ± 0.9			
100.0	7 ± 1.0	12 ± 1.2	11 ± 0.6	27 ± 4.3	9 ± 0.7
333.0	2 ± 1.2	15 ± 1.2	11 ± 1.2	20 ± 1.5	11 ± 1.5
1000.0	0 ± 0.0		9 ± 1.2	32 ± 5.5	7 ± 1.5
3333.0			8 ± 0.9	12 ± 3.3	7 ± 1.8
10000.0			9 ± 0.6	6 ± 3.1	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			81 ± 8.5	346 ± 25.0	145 ± 31.8
Positive Control ³	326 ± 13.9	983 ± 60.2			

Experiment Number: 720130

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

G06: Ames Summary Data

Test Compound: **Triphenylamine**

CAS Number: **603-34-9**

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

Time Report Requested: **00:55:20**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 1.2
3.3	
10.0	
33.0	
100.0	25 ± 2.5
333.0	31 ± 3.1
1000.0	23 ± 1.9
3333.0	17 ± 4.7
10000.0	6 ± 1.7
Trial Summary	Negative
Positive Control ⁴	172 ± 15.8
Positive Control ³	

Experiment Number: 720130

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

Test Compound: Triphenylamine

CAS Number: 603-34-9

Date Report Requested: 09/12/2018

Time Report Requested: 00:55:20

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5	10 ± 2.3	14 ± 1.5	11 ± 1.0	8 ± 2.0
10.0	8 ± 1.2	9 ± 0.9			
33.0	6 ± 1.3	6 ± 1.7		17 ± 2.1	
100.0	9 ± 2.5	5 ± 0.3	11 ± 2.0	12 ± 2.7	14 ± 0.3
333.0	7 ± 1.2	5 ± 1.9	9 ± 1.8	12 ± 1.3	5 ± 2.4
1000.0	8 ± 0.6	7 ± 1.2	9 ± 2.1	12 ± 0.9	8 ± 0.0
3333.0			8 ± 0.3	Toxic	Toxic
10000.0			0 ± 0.0		0 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			99 ± 2.6	177 ± 6.6	135 ± 36.3
Positive Control ⁵	156 ± 33.2	151 ± 19.7			

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

G06: Ames Summary Data

Test Compound: **Triphenylamine**

CAS Number: **603-34-9**

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

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.9
10.0	16 ± 2.2
33.0	18 ± 2.5
100.0	18 ± 2.4
333.0	17 ± 1.9
1000.0	14 ± 1.2
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ⁴	15 ± 0.7
Positive Control ⁵	

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Date Report Requested: 09/12/2018
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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	14 ± 0.9	20 ± 5.0	21 ± 1.7	33 ± 3.5	20 ± 2.0
10.0	21 ± 3.0	21 ± 2.6			
33.0	21 ± 1.2	20 ± 1.5			
100.0	16 ± 3.5	23 ± 3.8	18 ± 3.8	31 ± 5.1	23 ± 4.3
333.0	14 ± 1.9	18 ± 2.3	18 ± 2.3	34 ± 2.2	23 ± 2.9
1000.0	11 ± 1.9	27 ± 1.8	14 ± 3.9	34 ± 1.7	23 ± 3.7
3333.0			19 ± 0.3	43 ± 6.0	19 ± 2.1
10000.0			14 ± 0.9	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			188 ± 13.3	413 ± 15.0	915 ± 177.4
Positive Control ⁶	226 ± 5.0	231 ± 13.9			

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Test Compound: Triphenylamine
CAS Number: 603-34-9

Date Report Requested: 09/12/2018
Time Report Requested: 00:55:20

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 6.2
10.0	
33.0	
100.0	37 ± 3.5
333.0	37 ± 3.2
1000.0	42 ± 6.3
3333.0	39 ± 1.2
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	1151 ± 105.8
Positive Control ⁶	

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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: 95% Ethanol
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 3.3 ug/Plate Sodium Azide
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 33.0 ug/Plate 9-Aminoacridine
- 6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****