

Experiment Number: 182754

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tri-N-tyramine

CAS Number: 621-77-2

Date Report Requested: 09/13/2018

Time Report Requested: 19:10:15

NTP Study Number:

182754

Study Result:

Negative

Experiment Number: 182754

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tri-N-amylamine

CAS Number: 621-77-2

Date Report Requested: 09/13/2018

Time Report Requested: 19:10:15

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	131 ± 6.1	121 ± 9.5	183 ± 1.7	155 ± 11.5	203 ± 1.5
33.0	130 ± 3.5	120 ± 3.8	190 ± 5.9	123 ± 7.2	190 ± 5.8
100.0	126 ± 5.1	115 ± 2.3	194 ± 4.4	130 ± 1.8	190 ± 5.0
333.0	131 ± 1.8	110 ± 5.3	194 ± 4.0	134 ± 5.0	192 ± 1.5
1000.0	128 ± 2.1	109 ± 1.9	181 ± 2.7	152 ± 3.4	182 ± 0.7
3333.0	114 ± 2.6	83 ± 4.3	186 ± 11.7	134 ± 14.2	192 ± 8.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1819 ± 163.6	1892 ± 100.5	2056 ± 135.8
Positive Control ³	1328 ± 26.4	1533 ± 79.2			

Experiment Number: 182754
Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Tri-N-amylamine
CAS Number: 621-77-2

Date Report Requested: 09/13/2018
Time Report Requested: 19:10:15

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	159 ± 3.8
33.0	179 ± 10.0
100.0	160 ± 4.5
333.0	151 ± 10.4
1000.0	149 ± 5.2
3333.0	140 ± 35.8
Trial Summary	Negative
Positive Control ²	2007 ± 105.6
Positive Control ³	

Experiment Number: 182754

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tri-N-amlamine

CAS Number: 621-77-2

Date Report Requested: 09/13/2018

Time Report Requested: 19:10:15

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.7	19 ± 4.0	17 ± 1.0	19 ± 0.6	20 ± 1.2
33.0	16 ± 0.9	13 ± 1.3	18 ± 4.4	19 ± 1.3	23 ± 3.8
100.0	14 ± 1.0	17 ± 1.7	17 ± 1.5	24 ± 2.7	25 ± 2.8
333.0	14 ± 1.5	12 ± 2.0	20 ± 2.3	21 ± 1.2	24 ± 2.6
1000.0	13 ± 1.2	12 ± 1.7	20 ± 2.1	24 ± 1.9	23 ± 2.1
3333.0	Toxic	6 ± 0.9	12 ± 6.0	3 ± 1.2	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			480 ± 54.6	269 ± 16.4	564 ± 33.7
Positive Control ³	1730 ± 35.5	1441 ± 48.3			

Experiment Number: 182754
Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Tri-N-amylamine
CAS Number: 621-77-2

Date Report Requested: 09/13/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.2
33.0	23 ± 3.7
100.0	19 ± 2.0
333.0	21 ± 1.7
1000.0	23 ± 2.9
3333.0	8 ± 1.9
Trial Summary	Negative
Positive Control ⁴	337 ± 44.8
Positive Control ³	

Experiment Number: 182754

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: Tri-N-amylamine

CAS Number: 621-77-2

Date Report Requested: 09/13/2018

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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	5 ± 1.5	7 ± 0.9	13 ± 3.0	6 ± 0.9	16 ± 2.6
33.0	4 ± 2.0	11 ± 2.7	10 ± 0.7	7 ± 1.3	8 ± 1.7
100.0	6 ± 1.9	11 ± 0.6	9 ± 0.3	8 ± 2.3	13 ± 1.2
333.0	5 ± 1.2	8 ± 3.0	11 ± 2.3	6 ± 1.2	10 ± 1.9
1000.0	3 ± 1.2	10 ± 1.2	10 ± 1.7	5 ± 0.9	12 ± 2.2
3333.0	4 ± 1.2	Toxic	7 ± 0.6	Toxic	6 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			255 ± 11.5	339 ± 9.5	140 ± 25.0
Positive Control ⁵	884 ± 185.2	671 ± 91.8			

Experiment Number: 182754
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Tri-N-amylamine
CAS Number: 621-77-2

Date Report Requested: 09/13/2018
Time Report Requested: 19:10:15

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.9
33.0	7 ± 1.8
100.0	3 ± 1.2
333.0	7 ± 2.6
1000.0	5 ± 0.7
3333.0	Toxic
Trial Summary	Negative
Positive Control ⁴	168 ± 27.1
Positive Control ⁵	

Experiment Number: 182754

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tri-N-amlamine

CAS Number: 621-77-2

Date Report Requested: 09/13/2018

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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	20 ± 2.6	19 ± 0.6	29 ± 5.5	19 ± 3.5	35 ± 3.5
33.0	20 ± 1.9	20 ± 1.5	27 ± 0.9	13 ± 0.7	22 ± 1.7
100.0	24 ± 3.5	17 ± 3.2	34 ± 3.3	13 ± 1.3	25 ± 0.3
333.0	21 ± 2.6	16 ± 1.2	29 ± 5.8	12 ± 1.9	27 ± 2.9
1000.0	17 ± 0.0	18 ± 1.2	30 ± 2.3	13 ± 0.3	19 ± 2.5
3333.0	16 ± 2.4	14 ± 2.0	17 ± 2.4	11 ± 0.3	22 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			615 ± 24.5	1055 ± 157.1	1302 ± 126.5
Positive Control ⁶	155 ± 14.2	385 ± 27.4			

Experiment Number: 182754
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Tri-N-amylamine
CAS Number: 621-77-2

Date Report Requested: 09/13/2018
Time Report Requested: 19:10:15

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.3
33.0	16 ± 1.9
100.0	17 ± 1.2
333.0	12 ± 1.2
1000.0	17 ± 1.0
3333.0	10 ± 1.9
Trial Summary	Negative
Positive Control ²	1479 ± 71.3
Positive Control ⁶	

Experiment Number: 182754

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

Test Compound: **Tri-N-amilamine**

CAS Number: **621-77-2**

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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: 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 ****