

Experiment Number: **642308**

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

G06: Ames Summary Data

Test Compound: **Halothane**

CAS Number: **151-67-7**

Date Report Requested: **09/11/2018**

Time Report Requested: **04:44:28**

NTP Study Number:

642308

Study Result:

Negative

Experiment Number: 642308

G06: Ames Summary Data

Date Report Requested: 09/11/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Halothane

Time Report Requested: 04:44:28

CAS Number: 151-67-7

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	119 ± 4.2	90 ± 5.4	169 ± 5.5	123 ± 8.7	195 ± 10.2
100.0	118 ± 7.0	87 ± 2.0	184 ± 8.1	129 ± 3.4	197 ± 4.9
333.0	141 ± 5.4	90 ± 3.7	208 ± 4.9	119 ± 9.0	198 ± 7.1
1000.0	127 ± 2.8	89 ± 4.3	182 ± 4.0	115 ± 5.0	204 ± 11.8
3333.0	141 ± 2.2	103 ± 6.1	177 ± 16.8	140 ± 9.0	197 ± 15.5
10000.0	129 ± 10.1	88 ± 2.9	179 ± 14.9	134 ± 13.2	170 ± 14.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2196 ± 105.8	2094 ± 49.7	
Positive Control ³	1526 ± 63.0	1146 ± 10.4			2307 ± 34.7

Experiment Number: 642308
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Test Compound: Halothane
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Date Report Requested: 09/11/2018
Time Report Requested: 04:44:28

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	83 ± 2.8
100.0	80 ± 4.4
333.0	84 ± 2.3
1000.0	81 ± 6.5
3333.0	83 ± 3.8
10000.0	85 ± 10.7
Trial Summary	Negative
Positive Control ²	673 ± 49.7
Positive Control ³	

Experiment Number: 642308

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Test Compound: Halothane

CAS Number: 151-67-7

Date Report Requested: 09/11/2018

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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	12 ± 0.6	17 ± 2.0	25 ± 2.3	16 ± 5.4	25 ± 1.9
100.0	17 ± 1.8	18 ± 4.4	27 ± 1.5	12 ± 0.6	21 ± 2.7
333.0	18 ± 1.7	15 ± 1.5	28 ± 3.0	11 ± 1.5	28 ± 2.2
1000.0	18 ± 2.6	11 ± 2.3	24 ± 1.9	12 ± 1.9	27 ± 2.7
3333.0	21 ± 1.9	16 ± 1.5	24 ± 3.5	10 ± 0.3	23 ± 1.5
10000.0	16 ± 0.9	17 ± 3.5	23 ± 1.8	8 ± 1.8	26 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			299 ± 22.1	109 ± 1.3	233 ± 20.6
Positive Control ³	1070 ± 38.9	1054 ± 59.7			

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Test Compound: Halothane
CAS Number: 151-67-7

Date Report Requested: 09/11/2018
Time Report Requested: 04:44:28

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.0
100.0	15 ± 1.5
333.0	11 ± 0.3
1000.0	12 ± 6.1
3333.0	8 ± 1.8
10000.0	Toxic
Trial Summary	Negative
Positive Control ⁴	85 ± 4.6
Positive Control ³	

Experiment Number: 642308

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

Test Compound: Halothane

CAS Number: 151-67-7

Date Report Requested: 09/11/2018

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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	9 ± 2.7	21 ± 0.9	13 ± 3.9	21 ± 1.5	14 ± 1.2
100.0	7 ± 0.3	19 ± 1.3	15 ± 1.3	20 ± 3.7	16 ± 0.7
333.0	7 ± 1.7	14 ± 2.4	14 ± 2.6	19 ± 2.0	16 ± 0.3
1000.0	9 ± 0.3	11 ± 0.9	15 ± 1.5	23 ± 0.7	14 ± 2.4
3333.0	9 ± 1.2	9 ± 1.5	15 ± 1.3	21 ± 1.0	12 ± 2.0
10000.0	Toxic	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			51 ± 3.7	316 ± 110.4	126 ± 24.0
Positive Control ⁵	214 ± 48.1	648 ± 220.7			

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Test Compound: Halothane
CAS Number: 151-67-7

Date Report Requested: 09/11/2018
Time Report Requested: 04:44:28

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 2.3
100.0	20 ± 2.7
333.0	17 ± 2.0
1000.0	19 ± 8.5
3333.0	5 ± 2.5
10000.0	Toxic
Trial Summary	Negative
Positive Control ⁴	109 ± 8.8
Positive Control ⁵	

Experiment Number: 642308

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Test Compound: Halothane

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Date Report Requested: 09/11/2018

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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	18 ± 3.0	30 ± 3.0	22 ± 1.0	37 ± 3.8	17 ± 2.6
100.0	16 ± 1.2	34 ± 5.0	17 ± 2.2	42 ± 2.6	20 ± 1.2
333.0	13 ± 3.0	30 ± 3.7	22 ± 2.4	37 ± 1.5	22 ± 2.6
1000.0	15 ± 3.4	24 ± 1.7	21 ± 2.2	34 ± 5.8	18 ± 1.3
3333.0	10 ± 2.4	27 ± 1.5	16 ± 2.9	29 ± 1.9	15 ± 2.3
10000.0	9 ± 1.7	32 ± 0.7	21 ± 3.7	29 ± 5.5	16 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1793 ± 47.4	2136 ± 70.5	1830 ± 123.0
Positive Control ⁶	209 ± 20.0	279 ± 28.5			

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Date Report Requested: 09/11/2018
Time Report Requested: 04:44:28

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	32 ± 1.5
100.0	27 ± 3.7
333.0	31 ± 5.5
1000.0	29 ± 3.0
3333.0	30 ± 1.2
10000.0	28 ± 5.2
Trial Summary	Negative
Positive Control ²	568 ± 57.4
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: 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 **