

Experiment Number: 312303

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

G06: Ames Summary Data

Test Compound: **Furosemide**

CAS Number: 54-31-9

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

Time Report Requested: **04:01:29**

NTP Study Number:

312303

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	114 ± 33.1	96 ± 1.5	166 ± 9.3	111 ± 9.4	171 ± 9.1
100.0	89 ± 9.8	83 ± 7.1	164 ± 3.8	99 ± 9.8	147 ± 13.6
333.0	103 ± 1.2	84 ± 0.9	175 ± 17.3	130 ± 5.5	125 ± 8.0
1000.0	107 ± 8.7	93 ± 1.2	162 ± 18.4	115 ± 9.8	144 ± 12.1
3333.0	90 ± 14.3	89 ± 5.6	161 ± 15.3	130 ± 4.8	138 ± 11.3
10000.0	86 ± 4.4	70 ± 2.6	148 ± 22.4	120 ± 15.1	155 ± 17.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1468 ± 37.6	1275 ± 19.7	1361 ± 61.0
Positive Control ³	368 ± 14.2	808 ± 1.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	114 ± 3.2
100.0	111 ± 5.2
333.0	89 ± 4.5
1000.0	106 ± 7.4
3333.0	130 ± 6.9
10000.0	137 ± 11.5
Trial Summary	Negative
Positive Control ²	1874 ± 145.9
Positive Control ³	

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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	5 ± 1.7	10 ± 0.7	7 ± 2.1	20 ± 4.9	7 ± 2.9
100.0	7 ± 1.2	11 ± 1.3	4 ± 0.7	16 ± 2.6	9 ± 0.6
333.0	4 ± 1.8	12 ± 1.5	4 ± 0.3	16 ± 2.2	6 ± 0.6
1000.0	3 ± 0.9	7 ± 1.2	11 ± 1.2	14 ± 1.9	4 ± 0.6
3333.0	4 ± 1.5	15 ± 2.2	10 ± 1.2	23 ± 2.9	9 ± 1.2
10000.0	2 ± 1.0	7 ± 0.9	3 ± 0.7	19 ± 3.1	6 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			129 ± 3.5	149 ± 11.3	146 ± 9.3
Positive Control ³	83 ± 13.5	881 ± 45.1			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.6
100.0	10 ± 3.2
333.0	13 ± 1.2
1000.0	17 ± 1.2
3333.0	14 ± 1.5
10000.0	11 ± 2.4
Trial Summary	Negative
Positive Control ⁴	202 ± 26.3
Positive Control ³	

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Test Compound: Furosemide

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Date Report Requested: 09/12/2018

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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	11 ± 3.5	9 ± 0.6	12 ± 1.0	6 ± 2.3
100.0	3 ± 0.6	7 ± 0.3	3 ± 0.7	18 ± 1.2	5 ± 1.2
333.0	2 ± 0.7	8 ± 0.7	2 ± 0.6	14 ± 1.7	8 ± 1.7
1000.0	3 ± 2.2	12 ± 2.6	8 ± 2.5	13 ± 3.4	7 ± 1.3
3333.0	4 ± 0.3	11 ± 2.5	4 ± 0.7	18 ± 1.5	4 ± 0.7
10000.0	3 ± 1.2	11 ± 1.9	2 ± 0.3	15 ± 1.5	5 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			121 ± 19.5	100 ± 15.0	134 ± 3.9
Positive Control ⁵	164 ± 16.7	157 ± 8.1			

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

Test Compound: Furosemide

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Date Report Requested: 09/12/2018

Time Report Requested: 04:01:29

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.0
100.0	12 ± 1.8
333.0	10 ± 1.7
1000.0	16 ± 1.8
3333.0	14 ± 0.9
10000.0	13 ± 2.2
Trial Summary	Negative
Positive Control ⁴	176 ± 8.7
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	9 ± 1.9	24 ± 2.8	11 ± 1.8	28 ± 0.9	16 ± 2.1
100.0	9 ± 1.3	23 ± 1.5	13 ± 2.3	30 ± 0.6	12 ± 1.5
333.0	10 ± 1.9	24 ± 1.7	9 ± 0.9	25 ± 1.5	14 ± 2.3
1000.0	10 ± 1.2	19 ± 4.7	13 ± 1.3	29 ± 2.2	14 ± 2.9
3333.0	9 ± 1.2	24 ± 3.0	13 ± 2.6	37 ± 3.1	11 ± 2.0
10000.0	Toxic	Toxic	12 ± 1.5	31 ± 2.3	11 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			866 ± 15.3	862 ± 16.7	1016 ± 47.4
Positive Control ⁶	181 ± 3.7	368 ± 63.1			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 1.2
100.0	22 ± 2.4
333.0	28 ± 3.3
1000.0	27 ± 2.7
3333.0	20 ± 2.7
10000.0	22 ± 2.6
Trial Summary	Negative
Positive Control ²	1881 ± 288.8
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: 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 ****