

Experiment Number: **A84903**

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

G06: Ames Summary Data

Test Compound: **Furosemide**

CAS Number: **54-31-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **04:11:58**

NTP Study Number:

A84903

Study Result:

Negative

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Date Report Requested: 09/18/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	97 ± 9.8	88 ± 6.0	93 ± 7.7	108 ± 3.5	89 ± 2.1
100.0	87 ± 2.3	88 ± 2.6	101 ± 4.9	101 ± 6.6	106 ± 7.7
333.0	78 ± 2.7	94 ± 3.5	94 ± 9.4	105 ± 0.9	97 ± 9.8
1000.0	89 ± 7.5	92 ± 2.9	95 ± 1.7	94 ± 5.4	91 ± 3.8
3333.0	82 ± 5.3	94 ± 6.7	93 ± 4.9	127 ± 12.2	92 ± 1.9
10000.0	33 ± 7.5 ^s	63 ± 9.4 ^s	78 ± 9.8 ^s	99 ± 15.1 ^p	80 ± 11.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					300 ± 46.0
Positive Control ³			280 ± 22.3		
Positive Control ⁴	781 ± 16.5	944 ± 24.6			
Positive Control ⁵				554 ± 51.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	97 ± 4.8
100.0	94 ± 4.6
333.0	106 ± 6.8
1000.0	91 ± 4.2
3333.0	110 ± 7.8
10000.0	96 ± 3.4 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	664 ± 31.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.1	14 ± 2.0	10 ± 1.2	17 ± 1.5	9 ± 1.2
100.0	10 ± 0.9	12 ± 1.5	9 ± 0.9	14 ± 2.1	10 ± 0.9
333.0	11 ± 0.6	10 ± 2.0	14 ± 1.5	11 ± 2.5	8 ± 1.2
1000.0	11 ± 1.5	10 ± 1.7	10 ± 0.9	13 ± 0.9	10 ± 1.5
3333.0	8 ± 2.7	11 ± 2.0	14 ± 1.0	12 ± 0.6	7 ± 1.8
10000.0	1 ± 0.6 ^s	7 ± 1.7 ^s	7 ± 1.0 ^s	7 ± 1.5 ^p	7 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					129 ± 8.7
Positive Control ⁴	700 ± 12.8	816 ± 31.3			
Positive Control ⁵			86 ± 8.4		
Positive Control ⁶				230 ± 34.5	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 2.5
100.0	11 ± 3.2
333.0	10 ± 2.9
1000.0	10 ± 1.5
3333.0	12 ± 0.9
10000.0	11 ± 3.5 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	363 ± 4.8
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	104 ± 4.0	122 ± 17.6	125 ± 7.0	138 ± 6.7	136 ± 6.9
100.0	103 ± 4.5	126 ± 10.3	131 ± 2.3	133 ± 9.2	120 ± 1.5
333.0	108 ± 4.5	118 ± 6.2	133 ± 8.7	134 ± 9.2	117 ± 10.3
1000.0	100 ± 2.6	124 ± 4.5	136 ± 1.2	125 ± 5.4	144 ± 7.5
3333.0	103 ± 12.2	115 ± 5.3	144 ± 2.4	119 ± 9.3	142 ± 3.5
10000.0	59 ± 14.7 ^s	41 ± 7.7 ^s	51 ± 4.2 ^s	125 ± 2.1 ^p	65 ± 10.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					261 ± 31.2
Positive Control ³			193 ± 7.1		
Positive Control ⁵				431 ± 34.9	
Positive Control ⁷	293 ± 21.8	180 ± 30.8			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	116 ± 13.3
100.0	109 ± 14.3
333.0	119 ± 5.5
1000.0	125 ± 7.0
3333.0	101 ± 14.0
10000.0	124 ± 19.5 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	609 ± 28.4
Positive Control ⁵	
Positive Control ⁷	

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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 ± 5.2	20 ± 3.3	18 ± 2.3	26 ± 2.7	20 ± 2.9
100.0	13 ± 1.5	16 ± 2.3	18 ± 0.6	25 ± 4.0	23 ± 4.1
333.0	11 ± 2.6	15 ± 1.9	18 ± 3.0	20 ± 2.6	22 ± 1.5
1000.0	23 ± 2.3	17 ± 2.2	15 ± 1.8	26 ± 4.0	21 ± 5.6
3333.0	21 ± 1.8	10 ± 0.3	17 ± 1.9	17 ± 3.4	21 ± 1.8
10000.0	11 ± 4.3 ^s	5 ± 0.9 ^s	9 ± 0.9 ^s	14 ± 1.2 ^p	9 ± 1.8 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					104 ± 21.8
Positive Control ³			68 ± 4.0		
Positive Control ⁸	294 ± 7.5	300 ± 11.8			
Positive Control ⁵				251 ± 20.6	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	29 ± 4.6
100.0	25 ± 1.2
333.0	25 ± 0.9
1000.0	25 ± 2.2
3333.0	29 ± 3.0
10000.0	21 ± 2.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	237 ± 16.5
Positive Control ⁸	
Positive Control ⁵	

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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: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

p: Precipitate

s: Slight Toxicity

** END OF REPORT **