

Experiment Number: **A84754**

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

G06: Ames Summary Data

Test Compound: **Elmiron (sodium pentosanpolysulfate)**

CAS Number: **37319-17-8**

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

Time Report Requested: **04:04:41**

NTP Study Number:

A84754

Study Result:

Negative

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CAS Number: 37319-17-8

Date Report Requested: 09/18/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	91 ± 8.7	136 ± 11.9	134 ± 10.4	131 ± 5.9	142 ± 6.7
100.0	95 ± 3.1	114 ± 5.4	151 ± 14.7	124 ± 12.5	137 ± 5.5
333.0	104 ± 4.8	125 ± 8.6	148 ± 3.8	134 ± 6.4	132 ± 10.8
1000.0	92 ± 2.1	117 ± 9.8	156 ± 6.8	118 ± 2.0	123 ± 0.7
3333.0	91 ± 3.5	113 ± 6.7	145 ± 10.8	117 ± 12.5	139 ± 5.2
10000.0	105 ± 4.6	125 ± 0.9	143 ± 22.7	131 ± 9.2	111 ± 15.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				750 ± 14.5	
Positive Control ³		629 ± 34.4			734 ± 13.6
Positive Control ⁴			776 ± 20.5		
Positive Control ⁵	1024 ± 6.2				

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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	10 ± 0.9	9 ± 1.7	11 ± 2.2	8 ± 1.0	11 ± 2.3
100.0	12 ± 0.3	9 ± 2.0	12 ± 2.0	9 ± 1.5	10 ± 1.5
333.0	11 ± 2.1	12 ± 2.3	8 ± 0.6	10 ± 0.3	8 ± 1.9
1000.0	10 ± 1.9	9 ± 1.5	11 ± 1.5	8 ± 1.5	10 ± 1.5
3333.0	10 ± 1.2	7 ± 0.6	11 ± 1.7	9 ± 0.6	8 ± 1.5
10000.0	9 ± 0.6	9 ± 1.7	8 ± 2.3	10 ± 1.8	8 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					100 ± 5.0
Positive Control ⁵	961 ± 28.7	895 ± 38.9			
Positive Control ⁴			104 ± 4.1		
Positive Control ⁶				141 ± 6.4	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 0.9
100.0	10 ± 1.5
333.0	14 ± 1.5
1000.0	8 ± 0.7
3333.0	8 ± 0.9
10000.0	12 ± 1.2
Trial Summary	Negative
Positive Control ³	
Positive Control ⁵	
Positive Control ⁴	149 ± 10.4
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	123 ± 4.5	149 ± 1.5	159 ± 5.8	155 ± 3.6	166 ± 6.9
100.0	129 ± 1.9	162 ± 3.4	158 ± 6.1	157 ± 11.8	175 ± 8.7
333.0	136 ± 3.8	163 ± 6.5	162 ± 6.7	158 ± 10.2	148 ± 15.4
1000.0	134 ± 5.5	172 ± 6.8	177 ± 0.9	155 ± 10.8	179 ± 4.9
3333.0	144 ± 3.7	183 ± 9.2	172 ± 8.2	159 ± 5.6	171 ± 6.7
10000.0	134 ± 5.2	154 ± 3.3	175 ± 6.4	135 ± 5.2	194 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				750 ± 20.2	
Positive Control ³		676 ± 58.9			672 ± 3.4
Positive Control ⁴			663 ± 33.8		
Positive Control ⁷	467 ± 32.3				

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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	14 ± 3.4	15 ± 2.3	24 ± 2.8	20 ± 4.6	15 ± 1.5
100.0	15 ± 3.0	14 ± 1.2	25 ± 2.8	21 ± 2.5	24 ± 4.0
333.0	18 ± 0.7	18 ± 2.0	28 ± 1.2	16 ± 4.3	21 ± 2.1
1000.0	15 ± 1.5	13 ± 2.4	27 ± 0.9	17 ± 1.9	17 ± 1.2
3333.0	15 ± 2.3	17 ± 1.2	22 ± 1.9	15 ± 2.0	17 ± 2.0
10000.0	11 ± 2.3	17 ± 1.7	21 ± 3.9	17 ± 1.2	22 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					512 ± 10.7
Positive Control ³			407 ± 11.1		
Positive Control ⁸	389 ± 16.7	262 ± 13.3			
Positive Control ⁴				262 ± 22.0	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 2.3
100.0	21 ± 0.3
333.0	21 ± 1.5
1000.0	20 ± 0.6
3333.0	22 ± 2.6
10000.0	16 ± 1.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	231 ± 24.6
Positive Control ⁸	
Positive Control ⁴	

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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: Water
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate Sodium Azide
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **