

Experiment Number: **A95820**

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

G06: Ames Summary Data

Test Compound: **Sodium chlorate**

CAS Number: **7775-09-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **16:47:38**

NTP Study Number:

A95820

Study Result:

Negative

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G06: Ames Summary Data
Test Compound: Sodium chlorate
CAS Number: 7775-09-9

Date Report Requested: 09/15/2018
Time Report Requested: 16:47:38

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	145 ± 6.9	137 ± 8.7	133 ± 5.2	122 ± 12.4	120 ± 7.3
100.0	125 ± 3.8	117 ± 4.4	162 ± 2.0	124 ± 9.5	130 ± 1.3
333.0	134 ± 7.3	127 ± 9.1	131 ± 3.3	148 ± 2.9	124 ± 0.0
1000.0	131 ± 7.6	126 ± 9.1	134 ± 7.0	125 ± 2.0	137 ± 7.4
3333.0	135 ± 8.7	121 ± 3.8	139 ± 13.4	134 ± 9.5	126 ± 11.2
10000.0	144 ± 4.9	132 ± 5.5	122 ± 1.7	131 ± 12.5	128 ± 8.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					695 ± 18.5
Positive Control ³			635 ± 24.8		
Positive Control ⁴	900 ± 12.3	844 ± 5.1			
Positive Control ⁵				624 ± 15.4	

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Test Compound: Sodium chlorate
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Date Report Requested: 09/15/2018
Time Report Requested: 16:47:38

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	126 ± 9.5
100.0	130 ± 9.3
333.0	135 ± 5.5
1000.0	152 ± 8.5
3333.0	134 ± 8.8
10000.0	126 ± 10.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	664 ± 21.1
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: A95820

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Test Compound: Sodium chlorate

CAS Number: 7775-09-9

Date Report Requested: 09/15/2018

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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	13 ± 2.4	11 ± 2.3	12 ± 1.5	13 ± 1.2	12 ± 0.9
100.0	11 ± 0.3	8 ± 1.2	13 ± 0.6	15 ± 2.0	10 ± 0.3
333.0	9 ± 0.6	11 ± 2.3	9 ± 0.0	10 ± 1.8	9 ± 1.2
1000.0	12 ± 2.0	11 ± 1.3	7 ± 0.6	10 ± 1.2	10 ± 2.7
3333.0	11 ± 1.7	7 ± 0.7	8 ± 0.7	10 ± 3.2	9 ± 0.6
10000.0	9 ± 1.0	9 ± 1.7	6 ± 1.9	12 ± 2.7	10 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					126 ± 14.0
Positive Control ⁴	938 ± 15.5	940 ± 16.2			
Positive Control ⁵			130 ± 15.1		
Positive Control ⁶				115 ± 6.9	

Experiment Number: A95820
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Sodium chlorate
CAS Number: 7775-09-9

Date Report Requested: 09/15/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.0
100.0	12 ± 0.7
333.0	15 ± 1.8
1000.0	10 ± 1.2
3333.0	12 ± 3.4
10000.0	8 ± 0.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	141 ± 5.0
Positive Control ⁶	

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 Test Compound: Sodium chlorate
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Date Report Requested: 09/15/2018
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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	128 ± 10.5	139 ± 9.5	154 ± 5.3	174 ± 6.3	146 ± 4.5
100.0	117 ± 11.1	147 ± 14.3	157 ± 9.8	191 ± 13.8	148 ± 18.1
333.0	127 ± 14.3	132 ± 10.8	132 ± 3.3	191 ± 14.0	157 ± 12.1
1000.0	145 ± 11.4	126 ± 9.6	140 ± 15.5	167 ± 25.2	136 ± 5.2
3333.0	121 ± 7.8	149 ± 10.6	158 ± 13.2	210 ± 9.3	138 ± 13.3
10000.0	121 ± 6.1	125 ± 4.0	131 ± 8.2	173 ± 19.8	132 ± 21.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					710 ± 8.9
Positive Control ³			653 ± 15.0		
Positive Control ⁵				650 ± 23.7	
Positive Control ⁷	572 ± 16.9	640 ± 21.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	169 ± 3.3
100.0	151 ± 7.5
333.0	177 ± 10.4
1000.0	155 ± 3.7
3333.0	160 ± 6.6
10000.0	142 ± 10.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	660 ± 6.7
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	12 ± 0.9	21 ± 2.7	30 ± 3.2	15 ± 2.6	18 ± 2.4
100.0	12 ± 1.5	22 ± 1.8	26 ± 1.8	10 ± 1.2	19 ± 5.0
333.0	10 ± 0.3	19 ± 4.1	23 ± 1.2	12 ± 1.2	24 ± 1.5
1000.0	11 ± 2.1	21 ± 3.2	21 ± 2.0	8 ± 0.9	25 ± 0.7
3333.0	12 ± 1.0	24 ± 4.3	30 ± 0.9	13 ± 1.9	26 ± 2.3
10000.0	13 ± 1.5	21 ± 6.1	27 ± 4.3	13 ± 2.7	27 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					534 ± 11.4
Positive Control ³			466 ± 15.8		
Positive Control ⁸	380 ± 8.3	443 ± 16.9			
Positive Control ⁵				431 ± 7.8	

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Test Compound: Sodium chlorate
CAS Number: 7775-09-9

Date Report Requested: 09/15/2018
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.5
100.0	13 ± 1.7
333.0	9 ± 2.6
1000.0	14 ± 2.4
3333.0	10 ± 1.9
10000.0	10 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	478 ± 6.7
Positive Control ⁸	
Positive Control ⁵	

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Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	216 ± 5.2	233 ± 20.7	309 ± 27.7	275 ± 11.5	331 ± 9.8
100.0	210 ± 5.2	220 ± 16.4	340 ± 40.5	264 ± 23.0	359 ± 16.0
333.0	219 ± 3.3	225 ± 14.6	347 ± 31.0	254 ± 20.0	331 ± 7.2
1000.0	233 ± 12.5	233 ± 16.9	357 ± 23.1	291 ± 9.6	305 ± 13.3
3333.0	242 ± 22.7	238 ± 6.5	373 ± 34.6	274 ± 8.6	349 ± 4.5
10000.0	209 ± 5.2	248 ± 19.3	322 ± 32.4	257 ± 11.6	392 ± 7.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹	737 ± 24.1	898 ± 41.7			
Positive Control ⁶			1110 ± 60.9	768 ± 24.3	1211 ± 42.0

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Strain: TA102

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	264 ± 4.3
100.0	250 ± 3.3
333.0	259 ± 13.9
1000.0	286 ± 5.8
3333.0	291 ± 6.5
10000.0	252 ± 20.8
Trial Summary	Negative
Positive Control ⁹	
Positive Control ⁶	784 ± 15.3

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Strain: TA104

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	298 ± 8.0	334 ± 16.8	397 ± 15.2	405 ± 10.0	430 ± 10.4
100.0	289 ± 29.1	328 ± 6.4	377 ± 25.2	411 ± 1.7	411 ± 2.7
333.0	285 ± 32.8	324 ± 26.7	368 ± 22.2	399 ± 7.5	426 ± 12.2
1000.0	262 ± 18.1	364 ± 28.0	425 ± 20.0	398 ± 17.3	365 ± 2.3
3333.0	314 ± 9.8	326 ± 16.2	427 ± 22.8	416 ± 9.8	363 ± 12.3
10000.0	302 ± 8.2	342 ± 17.9	410 ± 4.9	412 ± 0.9	384 ± 40.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶			1266 ± 29.0	826 ± 47.6	1254 ± 25.9
Positive Control ¹⁰	939 ± 17.9	921 ± 42.5			

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Strain: TA104

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	430 ± 11.2
100.0	432 ± 14.7
333.0	408 ± 11.4
1000.0	406 ± 16.6
3333.0	411 ± 3.8
10000.0	407 ± 1.5
Trial Summary	Negative
Positive Control ⁶	974 ± 31.5
Positive Control ¹⁰	

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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 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
- 9: 0.5 ug/Plate Mitomycin-C
- 10: 250.0 ug/Plate Methyl Methane Sulfonate

** END OF REPORT **