

Experiment Number: 213546

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

G06: Ames Summary Data

Test Compound: **Sodium chromate tetrahydrate**

CAS Number: **10034-82-9**

Date Report Requested: **09/14/2018**

Time Report Requested: **15:25:15**

NTP Study Number:

213546

Study Result:

Positive

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Test Compound: Sodium chromate tetrahydrate
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	168 ± 3.1	103 ± 1.5	185 ± 1.2	157 ± 5.5	130 ± 18.3
0.3		96 ± 3.5			
1.0	192 ± 7.0	117 ± 10.5			
3.0	261 ± 5.2	133 ± 4.2	190 ± 15.4		
6.0	272 ± 14.9	167 ± 13.4			
10.0	239 ± 15.1	152 ± 12.1	196 ± 10.4	155 ± 3.2	
16.0	126 ± 19.3 ^s				
33.0			238 ± 4.8	157 ± 3.3	258 ± 26.5
100.0			214 ± 35.0	150 ± 14.1	301 ± 21.8
166.0				178 ± 15.6	406 ± 22.7
333.0			525 ± 24.6	518 ± 60.2	340 ± 27.1
666.0					0 ± 0.0 ^s
Trial Summary	Weakly Positive	Equivocal	Positive	Equivocal	Positive
Positive Control ²			703 ± 17.4		728 ± 53.8
Positive Control ³	443 ± 10.6	413 ± 7.3			
Positive Control ⁴				399 ± 13.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	144 ± 5.9
0.3	
1.0	
3.0	152 ± 4.8
6.0	
10.0	152 ± 3.1
16.0	
33.0	143 ± 3.7
100.0	178 ± 1.9
166.0	257 ± 20.1
333.0	
666.0	
Trial Summary	Weakly Positive
Positive Control ²	649 ± 62.6
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	32 ± 2.2	23 ± 3.2	42 ± 3.2	43 ± 4.1	41 ± 2.3
0.3		29 ± 1.5			
1.0	40 ± 3.8	28 ± 4.2			
3.0	49 ± 7.3	34 ± 4.0	44 ± 0.6		
6.0	53 ± 4.0	30 ± 0.6			
10.0	37 ± 0.7	26 ± 3.3 ^s	54 ± 5.5	34 ± 5.3	
16.0	16 ± 3.8 ^s				
33.0			51 ± 3.4	38 ± 1.0	53 ± 4.6
66.0					
100.0			56 ± 3.5	38 ± 1.5	60 ± 8.1
166.0				47 ± 4.0	78 ± 7.8
333.0			89 ± 4.7	85 ± 6.2	11 ± 6.3 ^s
666.0					0 ± 0.0 ^s
Trial Summary	Equivocal	Negative	Weakly Positive	Equivocal	Equivocal
Positive Control ²			162 ± 1.2	191 ± 27.2	318 ± 18.6
Positive Control ⁵	374 ± 15.0	562 ± 5.8			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	41 ± 5.0
0.3	
1.0	
3.0	
6.0	
10.0	39 ± 1.8
16.0	
33.0	37 ± 4.9
66.0	44 ± 8.8
100.0	47 ± 3.5
166.0	72 ± 3.8
333.0	
666.0	
Trial Summary	Negative
Positive Control ²	580 ± 55.8
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****