

Experiment Number: 162568

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Captan

CAS Number: 133-06-2

Date Report Requested: 09/12/2018

Time Report Requested: 21:22:40

NTP Study Number:

162568

Study Result:

Positive

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G06: Ames Summary Data

Date Report Requested: 09/12/2018

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Captan

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	110 ± 8.4	151 ± 13.7	131 ± 10.2	178 ± 4.7	136 ± 3.9
0.03	152 ± 7.9	169 ± 4.2			
0.1	220 ± 5.8	209 ± 11.5			
0.16		269 ± 8.1			
0.3	482 ± 10.5	369 ± 26.3			
1.0	846 ± 5.2	752 ± 31.7	149 ± 5.5		
3.0	1178 ± 52.2		180 ± 9.9	172 ± 11.8	169 ± 8.8
6.0			217 ± 47.1	251 ± 11.6	
10.0			184 ± 23.1	302 ± 18.2	281 ± 5.1
16.0			296 ± 15.6	413 ± 19.9	414 ± 15.7
33.0				515 ± 33.9	529 ± 28.8
66.0				534 ± 17.4	698 ± 22.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					
Positive Control ³	407 ± 22.0	314 ± 10.8			
Positive Control ⁴			534 ± 14.7	525 ± 52.9	611 ± 21.4

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	121 ± 2.5	130 ± 14.9	149 ± 5.3	148 ± 5.8
0.03				
0.1				
0.16				
0.3	89 ± 7.2			
1.0	124 ± 12.8	132 ± 7.5	159 ± 10.3	161 ± 7.4
3.0	97 ± 8.5	158 ± 8.7	162 ± 11.8	156 ± 5.7
6.0	127 ± 16.3			
10.0	191 ± 11.6	176 ± 23.8	211 ± 23.6	219 ± 13.2
16.0				
33.0		469 ± 79.7	413 ± 36.6	473 ± 41.5
66.0		547 ± 105.6	360 ± 87.5	643 ± 20.9
Trial Summary	Equivocal	Positive	Positive	Positive
Positive Control ²	655 ± 16.7	707 ± 18.5	655 ± 21.3	601 ± 48.2
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% Rat S9
Vehicle Control ¹	10 ± 2.0	19 ± 4.6	35 ± 3.2	35 ± 1.5	51 ± 1.5
0.03	14 ± 0.7				
0.1	16 ± 2.3	22 ± 1.0			
0.3	33 ± 3.5	31 ± 4.4			
1.0	72 ± 6.1	49 ± 11.1	30 ± 1.2	28 ± 2.7	
1.6		88 ± 5.0			
3.0	211 ± 10.4	180 ± 11.4	34 ± 3.7	30 ± 5.2	
6.0			25 ± 2.3		
10.0			39 ± 1.2	33 ± 10.7	51 ± 5.2
16.0			46 ± 3.1		
33.0				42 ± 1.2	81 ± 4.4
44.0					90 ± 1.2
66.0				82 ± 33.9	103 ± 5.0
100.0					117 ± 9.6
166.0					148 ± 12.3
Trial Summary	Positive	Positive	Negative	Equivocal	Positive
Positive Control ²			161 ± 7.2	126 ± 13.0	107 ± 12.5
Positive Control ⁵	517 ± 24.0	566 ± 33.2			

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Test Compound: Captan

CAS Number: 133-06-2

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	31 ± 5.7	16 ± 1.9	33 ± 3.4	44 ± 3.8	29 ± 3.5
0.03					
0.1					
0.3		18 ± 2.8			
1.0		19 ± 1.9	31 ± 0.9		
1.6					
3.0		20 ± 1.0	27 ± 7.4		
6.0		19 ± 3.5			
10.0	42 ± 3.3	24 ± 3.1	29 ± 7.6	24 ± 4.0	37 ± 2.3
16.0					
33.0	75 ± 5.3		45 ± 5.8	45 ± 5.2	65 ± 6.2
44.0				82 ± 7.2	
66.0	127 ± 19.2		63 ± 13.9	78 ± 5.8	89 ± 7.8
100.0	148 ± 18.7			107 ± 7.4	130 ± 10.1
166.0	200 ± 7.3			112 ± 15.6	149 ± 18.5
Trial Summary	Positive	Negative	Equivocal	Positive	Positive
Positive Control ²	167 ± 6.3	500 ± 28.4	399 ± 29.6	632 ± 28.5	485 ± 44.5
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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

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

**** END OF REPORT ****