

Experiment Number: 890915

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: HC red 3

CAS Number: 2871-01-4

Date Report Requested: 09/16/2018

Time Report Requested: 22:11:55

NTP Study Number:

890915

Study Result:

Positive

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G06: Ames Summary Data

Date Report Requested: 09/16/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **HC red 3**

Time Report Requested: 22:11:55

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	110 ± 12.7	139 ± 14.8	106 ± 3.8	99 ± 3.5	104 ± 6.6
33.0	120 ± 3.2	138 ± 7.9	126 ± 1.5	118 ± 5.8	160 ± 5.2
100.0	118 ± 3.8	144 ± 2.9	190 ± 6.7	223 ± 19.1	217 ± 13.9
333.0	160 ± 2.2	191 ± 7.8	351 ± 8.6	534 ± 16.6	461 ± 4.7
1000.0	199 ± 3.5	272 ± 5.6	701 ± 6.7	1030 ± 17.9	1015 ± 27.5
3333.0	305 ± 15.6	354 ± 4.8	339 ± 17.6 ^s	841 ± 26.6	922 ± 59.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²		321 ± 4.6			
Positive Control ³					
Positive Control ⁴				516 ± 28.3	561 ± 14.7
Positive Control ⁵			842 ± 39.5		
Positive Control ⁶	1445 ± 36.6				

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	105 ± 10.7
33.0	158 ± 9.0
100.0	251 ± 8.4
333.0	454 ± 6.6
1000.0	967 ± 14.4
3333.0	931 ± 22.7
Trial Summary	Positive
Positive Control ²	
Positive Control ³	410 ± 5.5
Positive Control ⁴	
Positive Control ⁵	
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 0.9	34 ± 4.5	12 ± 0.9	12 ± 1.3	12 ± 1.9
33.0	27 ± 3.8	34 ± 3.5	11 ± 0.7	12 ± 0.9	15 ± 2.2
100.0	36 ± 5.2	33 ± 5.6	15 ± 2.6	12 ± 1.5	17 ± 3.1
333.0	33 ± 1.7	29 ± 4.2	19 ± 4.8	16 ± 1.8	19 ± 2.9
1000.0	35 ± 6.7	28 ± 3.9	22 ± 1.2	16 ± 0.9	22 ± 6.1
3333.0	31 ± 2.0 ^s	27 ± 3.9	24 ± 2.0	9 ± 1.2	25 ± 1.2
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²		189 ± 7.9			
Positive Control ³					
Positive Control ⁴					52 ± 1.9
Positive Control ⁵			77 ± 1.0		
Positive Control ⁷				157 ± 9.9	
Positive Control ⁶	830 ± 13.4				

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.0
33.0	11 ± 3.2
100.0	15 ± 1.5
333.0	13 ± 1.5
1000.0	18 ± 0.9
3333.0	13 ± 2.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	59 ± 1.5
Positive Control ⁴	
Positive Control ⁵	
Positive Control ⁷	
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	79 ± 7.7	108 ± 9.3	190 ± 8.4	128 ± 4.5	229 ± 13.0
3.3				207 ± 3.0	
10.0				323 ± 13.9	
33.0	101 ± 3.0	148 ± 4.8	720 ± 17.9	939 ± 4.9	849 ± 24.9
100.0	154 ± 9.2	186 ± 11.7	1459 ± 38.4	2171 ± 60.6	1432 ± 22.1
333.0	201 ± 0.3	248 ± 2.3	3020 ± 47.3	3947 ± 159.8	3172 ± 81.7
1000.0	219 ± 20.8	391 ± 9.5	3556 ± 72.6		3703 ± 65.6
3333.0	34 ± 7.8	401 ± 10.4 ^s	1163 ± 24.5 ^s		3109 ± 156.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³					
Positive Control ⁴					342 ± 7.2
Positive Control ⁵			582 ± 17.6		
Positive Control ⁷				1314 ± 39.9	
Positive Control ⁸		456 ± 51.7			
Positive Control ⁹	231 ± 39.7				

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	153 ± 3.8
3.3	213 ± 11.7
10.0	314 ± 1.0
33.0	819 ± 26.0
100.0	1637 ± 33.2
333.0	3565 ± 180.6
1000.0	
3333.0	
Trial Summary	Positive
Positive Control ³	322 ± 12.0
Positive Control ⁴	
Positive Control ⁵	
Positive Control ⁷	
Positive Control ⁸	
Positive Control ⁹	

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Test Compound: HC red 3

CAS Number: 2871-01-4

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 4.5	26 ± 3.9	31 ± 1.0	36 ± 3.2	37 ± 3.6
3.3				131 ± 0.9	
10.0				326 ± 5.5	
33.0	37 ± 2.7	45 ± 6.7	866 ± 15.3	1220 ± 13.4	924 ± 34.6
100.0	64 ± 7.6	68 ± 5.9	1983 ± 49.0	2764 ± 33.5	2023 ± 72.8
333.0	111 ± 4.6	160 ± 4.2	3728 ± 187.4	4212 ± 67.2	3835 ± 119.9
1000.0	224 ± 8.4	307 ± 3.9	4786 ± 106.6		5143 ± 75.8
3333.0	285 ± 12.4	383 ± 28.0	2505 ± 288.9		4092 ± 89.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ¹⁰					
Positive Control ³				185 ± 8.5	
Positive Control ⁴					457 ± 29.8
Positive Control ¹¹		129 ± 3.0			
Positive Control ⁵			500 ± 34.9		
Positive Control ¹²	1417 ± 8.8				

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Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 3.0
3.3	105 ± 10.9
10.0	300 ± 17.0
33.0	1105 ± 23.3
100.0	2723 ± 83.1
333.0	4366 ± 40.1
1000.0	
3333.0	
Trial Summary	Positive
Positive Control ¹⁰	138 ± 6.6
Positive Control ³	
Positive Control ⁴	
Positive Control ¹¹	
Positive Control ⁵	
Positive Control ¹²	

Experiment Number: 890915

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

G06: Ames Summary Data

Test Compound: **HC red 3**

CAS Number: **2871-01-4**

Date Report Requested: **09/16/2018**

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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: 0.25 ug/Plate Sodium Azide

3: 0.4 ug/Plate 2-Aminoanthracene

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.5 ug/Plate 2-Aminoanthracene

6: 2.5 ug/Plate Sodium Azide

7: 2.0 ug/Plate 2-Aminoanthracene

8: 3.5 ug/Plate 9-Aminoacridine

9: 4.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

12: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****