

Experiment Number: 240437

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ribavirin

CAS Number: 36791-04-5

Date Report Requested: 09/10/2018

Time Report Requested: 19:09:22

NTP Study Number:

240437

Study Result:

Negative

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Date Report Requested: 09/10/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	142 ± 3.5	124 ± 5.2	146 ± 1.5	150 ± 3.5	129 ± 8.1
100.0	107 ± 2.1	99 ± 5.5	128 ± 8.1	177 ± 6.2	117 ± 14.5
333.0	120 ± 7.4	107 ± 2.2	119 ± 8.8	147 ± 8.3	106 ± 2.2
1000.0	111 ± 11.6	96 ± 8.0	120 ± 3.2	130 ± 3.8	110 ± 17.0
3333.0	97 ± 0.7	101 ± 8.7	114 ± 1.0	145 ± 9.6	113 ± 5.4
10000.0	83 ± 2.7	90 ± 6.2	113 ± 6.6	103 ± 8.5	84 ± 15.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					510 ± 47.4
Positive Control ³			331 ± 10.3		
Positive Control ⁴				346 ± 16.4	
Positive Control ⁵	821 ± 20.1	748 ± 45.7			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	139 ± 7.0
100.0	151 ± 7.7
333.0	140 ± 7.0
1000.0	126 ± 6.7
3333.0	113 ± 11.1
10000.0	115 ± 9.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	563 ± 4.2
Positive Control ⁴	
Positive Control ⁵	

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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	12 ± 1.3	6 ± 0.9	11 ± 2.3	13 ± 2.6	9 ± 1.7
100.0	8 ± 1.8	6 ± 1.2	10 ± 1.7	12 ± 2.0	8 ± 1.7
333.0	9 ± 0.9	4 ± 1.3	9 ± 1.8	6 ± 2.0	6 ± 1.2
1000.0	11 ± 0.9	8 ± 1.5	9 ± 1.5	9 ± 1.8	7 ± 0.9
3333.0	11 ± 1.7	6 ± 0.7	7 ± 0.7	7 ± 0.6	6 ± 1.7
10000.0	9 ± 1.3	6 ± 1.2	8 ± 1.9	10 ± 1.9	11 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					66 ± 3.5
Positive Control ⁴			100 ± 12.7		
Positive Control ⁵	768 ± 46.8	530 ± 26.8			
Positive Control ⁶				88 ± 3.8	

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Date Report Requested: 09/10/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 0.6
100.0	10 ± 0.7
333.0	9 ± 0.9
1000.0	5 ± 1.2
3333.0	9 ± 0.6
10000.0	11 ± 1.5
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	174 ± 1.9
Positive Control ⁵	
Positive Control ⁶	

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Date Report Requested: 09/10/2018

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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	218 ± 9.7	166 ± 7.0	169 ± 1.8	218 ± 6.9	163 ± 7.3
100.0	219 ± 2.7	152 ± 4.7	193 ± 10.7	232 ± 0.9	149 ± 5.4
333.0	210 ± 5.8	156 ± 5.1	145 ± 2.3	221 ± 4.5	158 ± 12.7
1000.0	176 ± 9.4	153 ± 11.0	160 ± 5.8	206 ± 3.2	168 ± 4.5
3333.0	184 ± 7.2	145 ± 8.4	180 ± 12.3	218 ± 12.1	172 ± 10.5
10000.0	189 ± 4.1	138 ± 6.2	192 ± 5.4	186 ± 13.5	161 ± 20.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					427 ± 27.1
Positive Control ³			328 ± 3.0		
Positive Control ⁴				313 ± 7.2	
Positive Control ⁷	512 ± 20.7	500 ± 14.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	181 ± 3.1
100.0	182 ± 2.1
333.0	180 ± 11.7
1000.0	177 ± 17.1
3333.0	179 ± 12.4
10000.0	185 ± 16.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	336 ± 23.0
Positive Control ⁴	
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	23 ± 2.2	26 ± 0.7	27 ± 2.0	22 ± 1.2	19 ± 2.9
100.0	25 ± 3.2	23 ± 2.9	22 ± 3.2	21 ± 2.9	22 ± 2.6
333.0	15 ± 0.9	20 ± 2.1	20 ± 0.7	19 ± 3.8	19 ± 0.9
1000.0	12 ± 0.3	20 ± 2.9	17 ± 0.9	15 ± 2.0	19 ± 2.8
3333.0	16 ± 0.3	24 ± 2.0	17 ± 3.5	15 ± 1.9	15 ± 1.9
10000.0	13 ± 1.8	17 ± 3.8	19 ± 3.1	17 ± 2.8	17 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					374 ± 23.5
Positive Control ³			175 ± 7.3	84 ± 6.8	
Positive Control ⁸	371 ± 9.8	512 ± 5.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 0.3
100.0	19 ± 1.9
333.0	14 ± 2.8
1000.0	17 ± 2.9
3333.0	20 ± 2.4
10000.0	15 ± 1.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	284 ± 6.1
Positive Control ⁸	

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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	423 ± 3.3	303 ± 7.4	358 ± 10.8	515 ± 15.0	343 ± 7.2
100.0	430 ± 3.8	314 ± 14.2	334 ± 8.1	499 ± 4.3	345 ± 0.3
333.0	402 ± 12.0	290 ± 9.6	325 ± 4.6	476 ± 21.0	307 ± 10.5
1000.0	387 ± 7.8	274 ± 12.3	324 ± 9.0	450 ± 20.5	289 ± 14.6
3333.0	321 ± 1.3	266 ± 11.0	280 ± 11.6	366 ± 30.7	272 ± 6.1
10000.0	281 ± 3.1	195 ± 19.8	254 ± 8.4	384 ± 7.2	275 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1244 ± 35.1
Positive Control ⁶			1060 ± 32.7	887 ± 23.5	
Positive Control ⁹	916 ± 12.8	945 ± 59.2			

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Strain: TA104

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	474 ± 11.0
100.0	463 ± 18.8
333.0	435 ± 14.7
1000.0	484 ± 7.5
3333.0	458 ± 15.8
10000.0	434 ± 27.0
Trial Summary	Negative
Positive Control ⁴	1101 ± 32.9
Positive Control ⁶	
Positive Control ⁹	

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

9: 250.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****