

Experiment Number: 217172

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

G06: Ames Summary Data

Test Compound: **Prednisone**

CAS Number: **53-03-2**

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

Time Report Requested: **20:49:58**

NTP Study Number:

217172

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	79 ± 4.2	124 ± 4.4	66 ± 4.8	153 ± 5.5	77 ± 4.2
100.0	84 ± 3.9	137 ± 10.3	76 ± 6.2	138 ± 5.0	79 ± 5.5
333.3	81 ± 4.1	142 ± 1.9	73 ± 2.0	138 ± 7.7	78 ± 11.8
1000.0	92 ± 4.9	158 ± 6.0	80 ± 5.6	156 ± 9.4	94 ± 8.1
3333.3	151 ± 10.2 ^P	191 ± 3.7 ^P	98 ± 10.7 ^P	134 ± 5.5 ^P	127 ± 5.4 ^P
10000.0	139 ± 2.1 ^P	194 ± 14.0 ^P	88 ± 6.0 ^P	137 ± 1.2 ^P	113 ± 4.4 ^P
Trial Summary	Positive	Positive	Negative	Negative	Negative
Positive Control ²	477 ± 27.0	505 ± 10.1			
Positive Control ³			499 ± 49.5	1136 ± 193.0	819 ± 98.9

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	155 ± 9.3
100.0	144 ± 8.2
333.3	134 ± 10.3
1000.0	155 ± 4.7
3333.3	153 ± 11.3 ^P
10000.0	149 ± 10.4 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	2617 ± 106.6

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 4.1	9 ± 3.7	5 ± 0.3
100.0	13 ± 2.8	8 ± 2.9	5 ± 0.3
333.3	11 ± 2.4	6 ± 1.2	5 ± 0.9
1000.0	12 ± 2.3	6 ± 1.5	6 ± 1.7
3333.3	7 ± 1.3 ^P	4 ± 0.9 ^P	4 ± 0.6 ^P
10000.0	5 ± 0.6 ^P	5 ± 0.9 ^P	4 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ²	296 ± 8.7		
Positive Control ⁴		260 ± 15.4	192 ± 21.5

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9	3 ± 0.3	7 ± 0.3
100.0	4 ± 1.5	3 ± 0.6	4 ± 1.7
333.3	4 ± 1.3	2 ± 0.9	5 ± 1.7
1000.0	5 ± 0.3	4 ± 1.2	6 ± 1.2
3333.3	5 ± 1.2 ^P	4 ± 0.9 ^P	4 ± 1.2 ^P
10000.0	2 ± 0.3 ^P	5 ± 0.3 ^P	5 ± 0.6 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		124 ± 13.2	62 ± 14.9
Positive Control ⁵	123 ± 22.2		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.3	14 ± 1.9	20 ± 2.0
100.0	14 ± 2.4	16 ± 3.8	15 ± 0.3
333.3	10 ± 1.2	16 ± 2.1	21 ± 2.6
1000.0	12 ± 2.5	17 ± 2.0	18 ± 1.7
3333.3	12 ± 2.3 ^P	19 ± 2.2 ^P	22 ± 1.5 ^P
10000.0	7 ± 0.3 ^P	22 ± 2.0 ^P	13 ± 2.4 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³		216 ± 15.2	415 ± 5.0
Positive Control ⁶	848 ± 26.7		

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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 Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

**** END OF REPORT ****