

Experiment Number: 192631

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

G06: Ames Summary Data

Test Compound: **Picric acid**

CAS Number: **88-89-1**

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

Time Report Requested: **02:10:49**

NTP Study Number:

192631

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	135 ± 11.1	177 ± 9.9	174 ± 19.1
1.0	137 ± 10.7	160 ± 10.1	164 ± 9.1
3.3	125 ± 8.5	164 ± 12.2	171 ± 2.3
10.0	147 ± 12.7	184 ± 3.4	170 ± 4.2
33.0	120 ± 3.7	158 ± 31.3	142 ± 12.5
100.0	134 ± 22.7	215 ± 7.3	165 ± 11.3
Trial Summary	Negative	Equivocal	Negative
Positive Control ²		398 ± 59.4	637 ± 24.7
Positive Control ³	370 ± 23.9		

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.3	13 ± 1.2	10 ± 1.5
1.0	9 ± 2.7	14 ± 3.1	14 ± 3.4
3.3	11 ± 0.0	13 ± 2.1	14 ± 2.2
10.0	8 ± 2.1	13 ± 0.9	10 ± 3.0
33.0	11 ± 1.7	10 ± 3.1	8 ± 2.5
100.0	10 ± 1.5	17 ± 8.2	18 ± 10.8
Trial Summary	Negative	Negative	Negative
Positive Control ²		149 ± 21.9	256 ± 12.1
Positive Control ³	40 ± 5.2		

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Mutagenicity**G06: Ames Summary Data**Test Compound: Picric acid
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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2	4 ± 0.9	5 ± 0.6	6 ± 0.3	5 ± 0.9
1.0	2 ± 0.0		6 ± 1.3		6 ± 1.9
3.3	2 ± 0.9		6 ± 0.7		7 ± 0.0
10.0	5 ± 0.6		8 ± 3.0		5 ± 0.7
16.0		4 ± 1.0		9 ± 2.5	
33.0	3 ± 0.3	6 ± 2.6	6 ± 0.9	17 ± 3.6	8 ± 2.1
66.0		5 ± 0.9		20 ± 4.5	
100.0	2 ± 0.3	6 ± 0.7	22 ± 4.7	27 ± 2.7	18 ± 1.9
166.0		4 ± 0.3		35 ± 3.3	
Trial Summary	Negative	Negative	Equivocal	Positive	Equivocal
Positive Control ²			34 ± 8.4	33 ± 7.2	25 ± 1.8
Positive Control ⁴	162 ± 28.7	126 ± 18.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.7
1.0	
3.3	
10.0	
16.0	17 ± 3.8
33.0	17 ± 2.2
66.0	16 ± 0.0
100.0	23 ± 3.8
166.0	45 ± 14.4
Trial Summary	Positive
Positive Control ²	53 ± 15.3
Positive Control ⁴	

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Test Compound: Picric acid

CAS Number: 88-89-1

Date Report Requested: 09/14/2018

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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	11 ± 1.3	14 ± 0.7	14 ± 0.6	14 ± 0.3	15 ± 0.6
1.0	8 ± 2.6		15 ± 1.2		15 ± 1.7
3.3	15 ± 5.0		15 ± 1.2		16 ± 1.0
10.0	12 ± 2.4		10 ± 2.0		17 ± 1.5
16.0		11 ± 3.1		22 ± 0.9	
33.0	8 ± 1.5	12 ± 2.7	19 ± 1.3	23 ± 3.7	20 ± 1.5
66.0		12 ± 0.6		27 ± 1.5	
100.0	9 ± 2.3	8 ± 0.6	40 ± 6.5	42 ± 2.0	35 ± 2.9
166.0		8 ± 1.3		71 ± 9.8	
Trial Summary	Negative	Negative	Equivocal	Positive	Equivocal
Positive Control ²			217 ± 43.7	1112 ± 70.8	340 ± 13.3
Positive Control ⁵	86 ± 9.5	78 ± 3.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	17 ± 0.0
1.0	
3.3	
10.0	
16.0	33 ± 3.0
33.0	34 ± 2.5
66.0	33 ± 2.1
100.0	34 ± 1.8
166.0	65 ± 6.1
Trial Summary	Positive
Positive Control ²	1152 ± 16.2
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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****