

Experiment Number: 866921

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

**G06: Ames Summary Data**

Test Compound: **2,3,4-Trichloronitrobenzene**

CAS Number: **17700-09-3**

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

Time Report Requested: **16:06:31**

**NTP Study Number:**

866921

**Study Result:**

Positive

Experiment Number: 866921

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Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,3,4-Trichloronitrobenzene  
CAS Number: 17700-09-3

Date Report Requested: 09/16/2018

Time Report Requested: 16:06:31

## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	98 ± 8.2	93 ± 6.7	103 ± 1.7	93 ± 3.3	97 ± 1.9
0.3	85 ± 4.3				
1.0	78 ± 1.5	100 ± 3.8		108 ± 5.5	
3.3	93 ± 4.9				
10.0	125 ± 4.0	102 ± 1.9	103 ± 9.9	139 ± 3.9	144 ± 8.1
33.0	117 ± 11.0 <sup>s</sup>	123 ± 7.7	129 ± 6.6	236 ± 10.7	306 ± 39.4
67.0			270 ± 0.7		1206 ± 57.8
100.0		434 ± 18.8	444 ± 12.5	1191 ± 135.0	2052 ± 66.4
200.0		920 ± 42.4	741 ± 28.5	3088 ± 189.6 <sup>s</sup>	2497 ± 86.6 <sup>s</sup>
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	344 ± 14.0				
Positive Control <sup>3</sup>				1526 ± 66.2	431 ± 26.9
Positive Control <sup>4</sup>		484 ± 29.8	519 ± 18.8		

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Time Report Requested: 16:06:31

## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 3.5	25 ± 1.0	28 ± 1.5	30 ± 5.6	23 ± 2.1
0.3	18 ± 1.7				
1.0	14 ± 2.1	20 ± 2.7		27 ± 2.6	
3.3	14 ± 1.0				
10.0	20 ± 2.9	22 ± 3.0	26 ± 3.0	29 ± 3.8	25 ± 4.7
33.0	15 ± 4.5	28 ± 2.2	34 ± 2.0	32 ± 3.5	32 ± 1.0
67.0			40 ± 3.2		93 ± 1.2
100.0		42 ± 0.3	42 ± 5.5	75 ± 3.8	151 ± 12.2
200.0		49 ± 3.0	47 ± 4.6	165 ± 6.7 <sup>s</sup>	177 ± 7.8 <sup>s</sup>
Trial Summary	Negative	Weakly Positive	Equivocal	Positive	Positive
Positive Control <sup>5</sup>				503 ± 36.6	100 ± 7.0
Positive Control <sup>3</sup>		99 ± 3.5	160 ± 12.3		
Positive Control <sup>6</sup>	142 ± 3.8				

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**LEGEND**

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**\*\* END OF REPORT \*\***