

Experiment Number: 531447

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

G06: Ames Summary Data

Test Compound: **o-Toluidine hydrochloride**

CAS Number: **636-21-5**

Date Report Requested: **09/12/2018**

Time Report Requested: **23:41:27**

NTP Study Number:

531447

Study Result:

Positive

Experiment Number: 531447

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: o-Toluidine hydrochloride

CAS Number: 636-21-5

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	88 ± 5.8	130 ± 9.3	117 ± 9.5	97 ± 9.0
100.0	90 ± 7.2	114 ± 6.6	113 ± 6.4	104 ± 8.8
333.0	90 ± 3.4	111 ± 6.2	163 ± 7.5	153 ± 7.2
1000.0	92 ± 3.8	124 ± 0.9	223 ± 10.8	188 ± 5.9
3333.0	85 ± 6.2 ^s	123 ± 14.0	243 ± 13.2	236 ± 17.0
6666.0	82 ± 8.7 ^s	126 ± 16.2 ^s	249 ± 5.9 ^s	208 ± 2.3 ^s
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ²	362 ± 9.1			
Positive Control ³			512 ± 7.0	280 ± 3.6
Positive Control ⁴		982 ± 58.6		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.8	30 ± 2.9	33 ± 3.8
100.0	13 ± 1.0	24 ± 2.6	31 ± 2.7
333.0	11 ± 4.5	24 ± 2.0	32 ± 2.6
1000.0	14 ± 2.1	34 ± 3.8	36 ± 1.5
3333.0	17 ± 2.4	43 ± 0.6	50 ± 4.7
6666.0	7 ± 1.5 ^s	41 ± 1.8 ^s	40 ± 3.8 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁵			78 ± 6.9
Positive Control ³		214 ± 9.0	
Positive Control ⁶	197 ± 14.6		

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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 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 ****