

Experiment Number: 205865

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 09/14/2018

Time Report Requested: 14:13:03

NTP Study Number:

205865

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	163 ± 8.5	132 ± 6.3	146 ± 16.1	138 ± 2.1	135 ± 6.1
33.0	162 ± 9.3	129 ± 3.8	153 ± 11.1	144 ± 14.3	168 ± 10.7
100.0	176 ± 7.2	152 ± 3.3	143 ± 6.3	144 ± 6.1	194 ± 5.0
333.0	233 ± 15.0	205 ± 6.1	219 ± 15.0	196 ± 13.7	296 ± 4.7
666.0		319 ± 5.5		299 ± 5.5	
1000.0	371 ± 6.7	340 ± 17.7	310 ± 7.2	310 ± 9.3	276 ± 47.4
1200.0		Toxic		295 ± 19.5 ^s	
1500.0		Toxic		262 ± 14.5 ^s	
2150.0	Toxic		Toxic		Toxic
Trial Summary	Weakly Positive	Positive	Weakly Positive	Positive	Weakly Positive
Positive Control ²					1245 ± 33.5
Positive Control ³			1114 ± 28.3	1372 ± 70.4	
Positive Control ⁴	1196 ± 18.3	1159 ± 33.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	139 ± 9.8
33.0	151 ± 8.4
100.0	221 ± 3.5
333.0	318 ± 22.5
666.0	401 ± 9.5
1000.0	314 ± 21.7
1200.0	98 ± 27.3 ^s
1500.0	50 ± 3.5 ^s
2150.0	
Trial Summary	Positive
Positive Control ²	1428 ± 64.4
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	39 ± 3.0	11 ± 2.4	15 ± 3.2
33.0	34 ± 6.1	12 ± 1.8	13 ± 0.9
100.0	33 ± 5.0	9 ± 1.8	11 ± 1.2
333.0	43 ± 6.4	13 ± 1.2	17 ± 0.9
1000.0	56 ± 4.4	20 ± 4.5	9 ± 0.6
2150.0	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ²			75 ± 5.5
Positive Control ³		69 ± 2.6	
Positive Control ⁴	919 ± 13.0		

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Test Compound: o-Nitroanisole

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.9	10 ± 2.2	12 ± 2.8
33.0	7 ± 0.0	13 ± 2.3	7 ± 2.6
100.0	8 ± 0.3	7 ± 1.5	6 ± 1.7
333.0	7 ± 1.5	7 ± 0.9	9 ± 2.5
1000.0	5 ± 1.0	8 ± 1.8	4 ± 0.7
2150.0	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ²			80 ± 7.0
Positive Control ³		80 ± 4.1	
Positive Control ⁵	376 ± 48.1		

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Test Compound: o-Nitroanisole

CAS Number: 91-23-6

Date Report Requested: 09/14/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.2	33 ± 4.3	32 ± 1.2
33.0	22 ± 2.3	32 ± 6.7	35 ± 2.3
100.0	20 ± 4.3	31 ± 1.9	34 ± 3.6
333.0	22 ± 2.0	31 ± 0.3	44 ± 1.8
1000.0	31 ± 4.5	35 ± 1.2	44 ± 2.6
2150.0	Toxic	24 ± 0.3 ^s	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ²			944 ± 39.0
Positive Control ³		929 ± 26.5	
Positive Control ⁶	1484 ± 36.7		

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****