

Experiment Number: **G06049**

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

G06: Ames Summary Data

Test Compound: **2-Methoxy-4-nitroaniline**

CAS Number: **97-52-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **21:51:24**

NTP Study Number:

G06049

Study Result:

Positive

Experiment Number: G06049

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Methoxy-4-nitroaniline

CAS Number: 97-52-9

Date Report Requested: 09/15/2018

Time Report Requested: 21:51:24

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	103 ± 1.5	97 ± 6.2	116 ± 8.8	99 ± 7.6
50.0	105 ± 4.4	115 ± 9.1	312 ± 11.7	282 ± 18.7
250.0	161 ± 5.9	155 ± 8.1	692 ± 44.4	727 ± 3.8
500.0	218 ± 6.6	193 ± 12.9	439 ± 22.0	800 ± 23.4
750.0	267 ± 13.9	263 ± 0.9	429 ± 27.9	761 ± 51.8
1000.0	306 ± 5.8	301 ± 3.2	453 ± 18.9	685 ± 26.1
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ²	379 ± 25.7	511 ± 9.4		
Positive Control ³			831 ± 65.0	839 ± 25.0

Experiment Number: **G06049**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **2-Methoxy-4-nitroaniline**
CAS Number: **97-52-9**

Date Report Requested: **09/15/2018**
Time Report Requested: **21:51:24**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	97 ± 2.1	28 ± 3.0	99 ± 4.9	24 ± 0.3
50.0	182 ± 2.0	90 ± 3.7	209 ± 15.7	213 ± 9.3
250.0	385 ± 20.8	311 ± 9.9	369 ± 39.5	623 ± 26.7
500.0	470 ± 27.4	503 ± 55.2	672 ± 46.6	860 ± 49.0
750.0	457 ± 3.9	619 ± 43.3	557 ± 36.3	702 ± 57.2
1000.0	406 ± 19.0	399 ± 33.4	448 ± 5.8	418 ± 47.3
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ³			1082 ± 35.8	959 ± 198.7
Positive Control ⁴	445 ± 12.5	379 ± 12.9		

Experiment Number: **G06049**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **2-Methoxy-4-nitroaniline**
CAS Number: **97-52-9**

Date Report Requested: **09/15/2018**
Time Report Requested: **21:51:24**

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	220 ± 7.7	174 ± 12.0	260 ± 2.9	212 ± 14.6
50.0	179 ± 17.7	182 ± 10.3	306 ± 10.4	217 ± 6.4
250.0	135 ± 7.9	124 ± 3.7	267 ± 14.1	186 ± 17.6
500.0	127 ± 5.8	116 ± 9.0	216 ± 9.4	132 ± 1.9
750.0	103 ± 12.2	114 ± 1.5	162 ± 19.7	104 ± 4.6
1000.0	162 ± 23.0	110 ± 8.1	139 ± 26.9	118 ± 43.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			674 ± 9.7	694 ± 6.8
Positive Control ⁶		696 ± 28.9		
Positive Control ⁷	832 ± 23.6			

Experiment Number: **G06049**
Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data
Test Compound: **2-Methoxy-4-nitroaniline**
CAS Number: **97-52-9**

Date Report Requested: **09/15/2018**
Time Report Requested: **21:51:24**

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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

7: 40000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****