

Experiment Number: 138517

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

G06: Ames Summary Data

Test Compound: **2-Amino-4-nitrophenol**

CAS Number: **99-57-0**

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

Time Report Requested: **08:45:00**

NTP Study Number:

138517

Study Result:

Positive

Experiment Number: 138517

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

Test Compound: 2-Amino-4-nitrophenol

CAS Number: 99-57-0

Date Report Requested: 09/12/2018

Time Report Requested: 08:45:00

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	139 ± 7.8	107 ± 4.0	112 ± 7.9	142 ± 4.3	163 ± 8.8
10.0			146 ± 3.2	121 ± 5.4	
33.0	135 ± 9.5	114 ± 4.7	162 ± 7.7	133 ± 4.9	156 ± 8.4
100.0	145 ± 8.4	117 ± 11.8	169 ± 10.2	132 ± 14.2	223 ± 11.0
333.0	142 ± 6.2	101 ± 7.4	191 ± 6.4	134 ± 10.0	247 ± 9.0
1000.0	146 ± 10.3	97 ± 11.6	180 ± 3.5	122 ± 2.7	282 ± 5.9
3333.0	86 ± 49.7 ^s	Toxic			0 ± 0.0 ^s
Trial Summary	Negative	Negative	Weakly Positive	Negative	Weakly Positive
Positive Control ²			551 ± 3.5	690 ± 15.4	1796 ± 23.7
Positive Control ³	434 ± 3.7	407 ± 18.7			

Experiment Number: 138517
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **2-Amino-4-nitrophenol**
CAS Number: **99-57-0**

Date Report Requested: **09/12/2018**
Time Report Requested: **08:45:00**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	129 ± 6.9
10.0	
33.0	164 ± 10.3
100.0	210 ± 8.7
333.0	268 ± 2.9
1000.0	289 ± 17.3
3333.0	0 ± 0.0 ^s
Trial Summary	Positive
Positive Control ²	1290 ± 45.3
Positive Control ³	

Experiment Number: 138517

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

G06: Ames Summary Data

Test Compound: **2-Amino-4-nitrophenol**

CAS Number: **99-57-0**

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

Time Report Requested: **08:45:00**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 0.9	46 ± 3.8	42 ± 4.5
33.0	29 ± 3.7	28 ± 1.7	41 ± 2.1
100.0	25 ± 3.5	21 ± 1.8	36 ± 0.3
333.0	27 ± 3.0	16 ± 1.2	37 ± 2.2
1000.0	28 ± 5.2	0 ± 0.0 ^s	32 ± 3.5
3333.0	9 ± 3.1 ^s	Toxic	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³	427 ± 7.1		
Positive Control ⁴		277 ± 7.1	536 ± 12.8

Experiment Number: 138517

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

G06: Ames Summary Data

Test Compound: **2-Amino-4-nitrophenol**

CAS Number: **99-57-0**

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

Time Report Requested: **08:45:00**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9	10 ± 1.0	5 ± 0.6
33.0	6 ± 1.0	7 ± 1.2	12 ± 2.8
100.0	6 ± 1.7	7 ± 0.9	12 ± 4.0
333.0	6 ± 0.3	11 ± 1.2	15 ± 1.3
1000.0	10 ± 2.0	12 ± 2.3	10 ± 2.0
3333.0	5 ± 0.3	9 ± 1.7	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		167 ± 14.8	500 ± 5.5
Positive Control ⁵	172 ± 4.7		

Experiment Number: 138517

Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **2-Amino-4-nitrophenol**CAS Number: **99-57-0**Date Report Requested: **09/12/2018**Time Report Requested: **08:45:00****Strain: TA98**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 2.2	21 ± 2.0	37 ± 3.5	40 ± 1.7	37 ± 3.7
10.0			44 ± 1.3	27 ± 1.5	
33.0	52 ± 7.2	26 ± 3.1	53 ± 0.7	38 ± 4.2	50 ± 3.0
100.0	64 ± 4.6	30 ± 2.7	57 ± 1.9	50 ± 2.3	67 ± 3.6
333.0	64 ± 6.6	17 ± 2.3	75 ± 6.8	55 ± 3.5	94 ± 4.7
1000.0	84 ± 7.1	17 ± 1.0	83 ± 1.2	56 ± 4.7	242 ± 19.6
3333.0	0 ± 0.0 ^s	Toxic			Toxic
Trial Summary	Positive	Negative	Positive	Negative	Positive
Positive Control ²			382 ± 27.0	425 ± 15.3	1514 ± 107.5
Positive Control ⁶	724 ± 7.1	724 ± 34.0			

Experiment Number: 138517
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **2-Amino-4-nitrophenol**
CAS Number: **99-57-0**

Date Report Requested: **09/12/2018**
Time Report Requested: **08:45:00**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 4.3
10.0	
33.0	54 ± 3.2
100.0	62 ± 3.7
333.0	86 ± 0.3
1000.0	113 ± 13.5
3333.0	0 ± 0.0 ^s
Trial Summary	Positive
Positive Control ²	1027 ± 53.1
Positive Control ⁶	

Experiment Number: 138517

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

G06: Ames Summary Data

Test Compound: **2-Amino-4-nitrophenol**

CAS Number: **99-57-0**

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

Time Report Requested: **08:45:00**

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: 95% Ethanol

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****