Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

NTP Study Number: 870165

Study Result: Positive

Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	165 ± 16.2	61 ± 6.4	220 ± 7.3	80 ± 7.2	238 ± 13.5
33.0	188 ± 7.8	59 ± 9.8	223 ± 6.9	66 ± 7.5	198 ± 11.7
100.0	200 ± 15.3	60 ± 2.8	197 ± 2.5	74 ± 3.8	245 ± 16.8
333.0	204 ± 2.8	59 ± 4.8	210 ± 8.3	70 ± 2.4	249 ± 10.4
1000.0	179 ± 17.9	51 ± 2.7	203 ± 29.4	85 ± 8.7	246 ± 18.0
3333.0	61 ± 4.4	27 ± 3.5	67 ± 7.9	28 ± 7.2	103 ± 5.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			1897 ± 81.2	1430 ± 157.3	1550 ± 95.5
Positive Control[3]	911 ± 35.7	1610 ± 77.6			

Experiment Number: **870165**

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

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

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

Time Report Requested: **16:21:19**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	93 ± 5.2
33.0	85 ± 10.1
100.0	93 ± 6.7
333.0	93 ± 14.8
1000.0	85 ± 8.1
3333.0	42 ± 1.7
Trial Summary	Negative
Positive Control[2]	2524 ± 217.1
Positive Control[3]	

Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 1.2	8 ± 1.2	9 ± 1.9	13 ± 0.3	11 ± 1.5
33.0	9 ± 2.1	6 ± 0.3	12 ± 0.9	11 ± 2.6	14 ± 1.5
100.0	14 ± 0.3	4 ± 1.7	18 ± 1.2	14 ± 3.5	19 ± 2.0
333.0	15 ± 1.8	6 ± 1.5	18 ± 3.6	6 ± 1.2	25 ± 3.5
1000.0	16 ± 3.0	5 ± 0.3	17 ± 2.0	5 ± 1.9	30 ± 3.3
3333.0	10 ± 0.0	1 ± 0.7	10 ± 2.6	0 ± 0.3	18 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Weakly Positive
Positive Control[2]			58 ± 13.5	43 ± 4.2	191 ± 56.0
Positive Control[3]	414 ± 69.9	117 ± 8.4			

Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 1.3	8 ± 1.7
33.0	15 ± 1.5	11 ± 1.5
100.0	14 ± 2.6	5 ± 1.9
333.0	13 ± 0.7	14 ± 1.3
1000.0	14 ± 0.5	9 ± 2.2
3333.0	5 ± 1.2	0 ± 0.0
Trial Summary	Negative	Negative
Positive Control[2]	131 ± 29.6	46 ± 8.4
Positive Control[3]		

Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.7	13 ± 1.2	15 ± 0.9	16 ± 1.8	25 ± 5.5
33.0	7 ± 1.5	16 ± 3.4	15 ± 0.0	12 ± 1.2	21 ± 2.3
100.0	12 ± 2.2	17 ± 4.2	15 ± 2.2	11 ± 1.7	14 ± 2.2
333.0	12 ± 1.5	16 ± 2.1	21 ± 3.1	12 ± 2.3	15 ± 5.2
1000.0	14 ± 1.2	14 ± 0.6	19 ± 1.9	10 ± 1.7	16 ± 3.3
3333.0	7 ± 0.6	6 ± 0.0	14 ± 1.9	7 ± 0.7	18 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			130 ± 4.5	167 ± 17.3	159 ± 2.6
Positive Control[4]	149 ± 41.9	303 ± 30.7			

Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	16 ± 1.5
33.0	21 ± 2.8
100.0	16 ± 0.7
333.0	17 ± 2.1
1000.0	18 ± 0.9
3333.0	11 ± 1.5
Trial Summary	Negative
Positive Control[2]	338 ± 23.1
Positive Control[4]	

Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 2.7	12 ± 0.6	33 ± 5.6	19 ± 0.6	33 ± 0.7
33.0	18 ± 2.7	16 ± 3.2	31 ± 3.5	21 ± 2.3	29 ± 2.6
100.0	23 ± 6.7	25 ± 3.1	33 ± 3.2	17 ± 0.9	38 ± 5.2
333.0	21 ± 1.2	19 ± 0.7	33 ± 3.8	18 ± 2.6	41 ± 3.8
1000.0	28 ± 1.9	22 ± 4.1	28 ± 3.5	18 ± 1.0	67 ± 5.5
3333.0	25 ± 3.0	12 ± 1.5	31 ± 3.3	16 ± 3.7	90 ± 3.4
Trial Summary	Equivocal	Equivocal	Negative	Negative	Positive
Positive Control[2]			1076 ± 88.6	618 ± 134.3	1114 ± 44.8
Positive Control[5]	195 ± 33.0	264 ± 15.6			

Experiment Number: **870165**

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

G06: Ames Summary Data

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

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

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

Time Report Requested: **16:21:19**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	18 ± 0.7
33.0	18 ± 1.5
100.0	20 ± 2.9
333.0	39 ± 6.9
1000.0	49 ± 2.9
3333.0	63 ± 6.7
Trial Summary	Positive
Positive Control[2]	897 ± 67.9
Positive Control[5]	

LEGEND

Values given as Mean or Mean ± 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 2-Aminoanthracene
3: 3.3 ug/Plate Sodium Azide
4: 33.0 ug/Plate 9-Aminoacridine
5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **