Experiment Number: **371964**

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

G06: Ames Summary Data

Test Compound: **4,4'-Methylenebis(2-chloroaniline)**

CAS Number: **101-14-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **02:37:26**

NTP Study Number: 371964

Study Result: Positive

Experiment Number: **371964**

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

G06: Ames Summary Data

Test Compound: **4,4'-Methylenebis(2-chloroaniline)**

CAS Number: **101-14-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **02:37:26**

Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	99 ± 9.0	121 ± 4.1	176 ± 1.2	102 ± 2.8	108 ± 11.7
1.0					
3.3	105 ± 1.5	140 ± 0.7	167 ± 4.5	126 ± 12.6	129 ± 3.6
10.0	100 ± 5.8	197 ± 12.3	206 ± 4.8	168 ± 14.4	210 ± 8.1
33.3	99 ± 0.9	336 ± 19.4	317 ± 9.1	377 ± 9.5	393 ± 15.8
100.0	88 ± 7.2[s]	674 ± 25.9	509 ± 27.5	688 ± 52.9	649 ± 22.5
333.3	Toxic	137 ± 53.4	184 ± 88.1[s]	798 ± 99.4	269 ± 129.3[s]
1000.0					
3333.3					
10000.0					
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control[2]	570 ± 16.8				
Positive Control[3]		649 ± 17.8	621 ± 5.1	1199 ± 50.7	442 ± 16.7

Experiment Number: **371964**

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

G06: Ames Summary Data

Test Compound: **4,4'-Methylenebis(2-chloroaniline)**

CAS Number: **101-14-4**

Date Report Requested: **09/14/2018**

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	25 ± 4.0	19 ± 3.6	16 ± 1.9
3.3	21 ± 3.8	22 ± 2.6	16 ± 1.9
10.0	22 ± 1.2	15 ± 1.5	12 ± 1.7
33.3	26 ± 3.3	15 ± 0.3	18 ± 3.6
100.0	19 ± 2.9[s]	13 ± 3.2	14 ± 2.5
333.3	Toxic	7 ± 1.5[s]	21 ± 2.9
Trial Summary	Negative	Negative	Negative
Positive Control[2]	489 ± 28.6		
Positive Control[4]		319 ± 15.9	323 ± 15.5

Experiment Number: **371964**

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

G06: Ames Summary Data

Test Compound: **4,4'-Methylenebis(2-chloroaniline)**

CAS Number: **101-14-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **02:37:26**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	16 ± 4.9	19 ± 1.5	26 ± 0.7
3.3	16 ± 3.8	29 ± 1.2	26 ± 3.3
10.0	11 ± 2.0	27 ± 3.8	29 ± 1.2
33.3	7 ± 0.3	25 ± 2.1	26 ± 3.2
100.0	4 ± 0.7	24 ± 1.5	21 ± 2.3
333.3	Toxic	4 ± 1.0[s]	15 ± 6.0
Trial Summary	Negative	Negative	Negative
Positive Control[4]		225 ± 10.8	422 ± 18.0
Positive Control[5]	317 ± 53.2		

Experiment Number: **371964**

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

G06: Ames Summary Data

Test Compound: **4,4'-Methylenebis(2-chloroaniline)**

CAS Number: **101-14-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **02:37:26**

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control[1]	23 ± 3.5	31 ± 1.9	43 ± 1.2	42 ± 7.0	37 ± 5.8
3.3	28 ± 4.4	38 ± 1.2	46 ± 1.7	37 ± 0.6	43 ± 4.5
10.0	23 ± 1.5	46 ± 4.0	52 ± 2.3	44 ± 3.6	48 ± 6.3
33.3	23 ± 2.0	62 ± 3.8	55 ± 2.8	64 ± 6.8	63 ± 1.7
100.0	19 ± 2.7	81 ± 3.8	72 ± 6.3	90 ± 5.2	98 ± 5.9
333.3	0 ± 0.0[s]	83 ± 5.2[s]	56 ± 3.5[s]	95 ± 6.5	86 ± 10.8[s]
Trial Summary	Negative	Positive	Weakly Positive	Positive	Positive
Positive Control[3]		441 ± 12.7	534 ± 68.7	1044 ± 22.4	474 ± 31.9
Positive Control[6]	635 ± 13.0				

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 Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
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 **