Experiment Number: **276143**

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: **09/11/2018**

Time Report Requested: **09:22:46**

NTP Study Number: 276143

Study Result: Positive

Experiment Number: **276143**

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: **09/11/2018**

Time Report Requested: **09:22:46**

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]	117 ± 5.5	135 ± 4.0	122 ± 8.8	123 ± 8.2	125 ± 11.9
1.0	102 ± 13.2				
3.0	114 ± 4.5		142 ± 10.0		116 ± 11.5
10.0	124 ± 2.3	230 ± 4.5	175 ± 5.8		154 ± 14.1
33.0	98 ± 8.5	393 ± 28.8	314 ± 30.8	471 ± 12.8	323 ± 15.3
100.0	0 ± 0.0[s]	529 ± 21.7	504 ± 51.7	704 ± 42.8	615 ± 31.8
166.0			569 ± 9.5		
333.0		394 ± 6.6		851 ± 13.1	677 ± 35.5
1000.0		0 ± 0.0[s]		27 ± 3.2	
3333.0				0 ± 0.0[s]	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control[2]		478 ± 33.9	510 ± 10.1	831 ± 77.7	1921 ± 50.9
Positive Control[3]	308 ± 9.3				

Experiment Number: **276143**

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: **09/11/2018**

Time Report Requested: **09:22:46**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 1.8	17 ± 1.8	9 ± 1.8	9 ± 3.0
1.0	15 ± 1.8	15 ± 0.3		
3.0	23 ± 3.1	16 ± 2.2		
10.0	29 ± 2.3	17 ± 4.2	7 ± 0.9	
16.0		15 ± 3.8		
33.0	21 ± 4.2	15 ± 0.6	11 ± 0.7	9 ± 2.2
100.0	0 ± 0.0[s]		9 ± 1.5	7 ± 1.2
333.0			4 ± 0.6	7 ± 0.9
1000.0			0 ± 0.0[s]	6 ± 3.2
3333.0				0 ± 0.0[s]
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control[3]	331 ± 7.5	311 ± 14.7		
Positive Control[4]			116 ± 10.3	316 ± 12.7

Experiment Number: **276143**

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: **09/11/2018**

Time Report Requested: **09:22:46**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	5 ± 0.6	6 ± 0.9	6 ± 0.7
1.0	5 ± 1.5		
3.0	5 ± 1.5		
10.0	5 ± 2.1	9 ± 0.0	
33.0	5 ± 1.5	7 ± 1.2	8 ± 2.1
100.0	0 ± 0.0[s]	8 ± 0.7	8 ± 0.3
333.0		2 ± 0.7	5 ± 0.7
1000.0		0 ± 0.0[s]	1 ± 0.3
3333.0			0 ± 0.0[s]
Trial Summary	Negative	Negative	Negative
Positive Control[4]		115 ± 10.8	239 ± 7.3
Positive Control[5]	137 ± 24.4		

Experiment Number: **276143**

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: **09/11/2018**

Time Report Requested: **09:22:46**

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]	16 ± 1.8	29 ± 0.6	17 ± 2.0	28 ± 4.7	24 ± 4.9
1.0	15 ± 0.7				
3.0	18 ± 4.8		31 ± 1.0		25 ± 4.7
10.0	18 ± 2.0	35 ± 2.6	28 ± 0.7		32 ± 2.3
33.0	13 ± 0.0	44 ± 3.2	34 ± 7.8	52 ± 0.0	50 ± 3.3
100.0	0 ± 0.0[s]	68 ± 9.5	44 ± 5.1	66 ± 3.8	70 ± 2.6
166.0			59 ± 3.3		
333.0		11 ± 0.7		98 ± 3.4	74 ± 6.6
1000.0		0 ± 0.0[s]		24 ± 13.3	
3333.0				0 ± 0.0[s]	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control[2]		345 ± 23.9		719 ± 30.7	
Positive Control[4]			365 ± 39.1		1089 ± 27.5
Positive Control[6]	831 ± 45.6				

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: 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 **