Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

NTP Study Number: 174544

Study Result: Weakly Positive

Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	152 ± 4.9	159 ± 10.5	171 ± 20.4
100.0	108 ± 8.4	170 ± 9.7	121 ± 6.1
333.0	114 ± 2.3	181 ± 4.8	125 ± 2.4
1000.0	117 ± 4.3	165 ± 7.9	152 ± 4.6
3333.0	144 ± 6.2	163 ± 5.5	145 ± 5.2
10000.0	146 ± 8.1	154 ± 11.3	111 ± 18.8
Trial Summary	Negative	Negative	Negative
Positive Control[2]	395 ± 23.1		
Positive Control[3]			522 ± 22.2
Positive Control[4]		401 ± 11.3	

Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

Strain: TA1535

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control[1]	12 ± 2.6	14 ± 2.4	11 ± 1.5	9 ± 1.5	9 ± 0.7
100.0	21 ± 3.3			9 ± 1.7	8 ± 2.0
333.0	18 ± 3.2			9 ± 0.3	7 ± 2.2
1000.0	15 ± 0.9	13 ± 1.5	13 ± 3.5	11 ± 1.2	10 ± 0.7
3333.0	23 ± 1.2	13 ± 2.0	14 ± 4.6	13 ± 2.1	13 ± 2.3
5000.0		18 ± 1.3	13 ± 1.7		
6667.0		18 ± 0.9	18 ± 2.4		
10000.0	17 ± 1.9	20 ± 4.2	20 ± 0.9	20 ± 5.4	19 ± 2.5
Trial Summary	Negative	Negative	Negative	Equivocal	Equivocal
Positive Control[5]					
Positive Control[2]	149 ± 21.1				
Positive Control[3]					
Positive Control[4]		98 ± 7.0	88 ± 1.7	77 ± 5.7	94 ± 1.8

Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	12 ± 3.8	15 ± 1.3	8 ± 2.3	12 ± 1.7	9 ± 1.5
100.0					12 ± 1.2
333.0					10 ± 0.3
1000.0	17 ± 1.7	11 ± 0.9	8 ± 1.5	16 ± 3.2	14 ± 1.3
3333.0	17 ± 0.6	13 ± 2.3	12 ± 1.7	24 ± 2.2	15 ± 1.2
5000.0	16 ± 1.5	19 ± 1.2	14 ± 3.1	25 ± 4.9	
6667.0	15 ± 0.6	20 ± 3.5	21 ± 3.8	27 ± 4.9	
10000.0	26 ± 3.2	27 ± 4.0	22 ± 3.5	41 ± 1.2	19 ± 3.4
Trial Summary	Equivocal	Negative	Weakly Positive	Weakly Positive	Equivocal
Positive Control[5]		65 ± 3.2	39 ± 4.9	110 ± 6.8	
Positive Control[2]					
Positive Control[3]					170 ± 13.0
Positive Control[4]	67 ± 0.9				

Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	9 ± 1.5	12 ± 1.5	11 ± 1.3
100.0	7 ± 0.7		
333.0	11 ± 2.0		
1000.0	10 ± 0.9	11 ± 1.7	12 ± 3.5
3333.0	13 ± 2.6	16 ± 7.2	19 ± 3.8
5000.0		15 ± 1.7	20 ± 1.2
6667.0		18 ± 3.3	32 ± 4.1
10000.0	27 ± 3.5	30 ± 1.5	40 ± 4.3
Trial Summary	Equivocal	Equivocal	Positive
Positive Control[5]			
Positive Control[2]			
Positive Control[3]	197 ± 5.5	89 ± 3.5	286 ± 42.1
Positive Control[4]			

Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	9 ± 0.3	12 ± 1.7	13 ± 1.3
100.0	7 ± 0.3	12 ± 0.9	7 ± 1.5
333.0	14 ± 0.0	10 ± 0.9	10 ± 0.6
1000.0	11 ± 0.7	12 ± 3.7	12 ± 1.5
3333.0	10 ± 1.8	10 ± 0.6	9 ± 1.8
10000.0	10 ± 2.1	15 ± 2.0	9 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control[6]		39 ± 2.1	213 ± 26.4
Positive Control[7]	18 ± 2.1		

Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

Strain: TA97

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	81 ± 5.2	93 ± 10.5	177 ± 2.8	150 ± 7.5
100.0	74 ± 5.0	116 ± 3.9	187 ± 8.7	127 ± 9.0
333.0	88 ± 6.9	73 ± 0.9	172 ± 9.9	133 ± 7.6
1000.0	84 ± 8.3	107 ± 8.6	180 ± 14.1	145 ± 6.2
3333.0	85 ± 1.9	116 ± 8.4	167 ± 4.0	120 ± 6.0
10000.0	134 ± 9.3	118 ± 17.2	168 ± 16.9	162 ± 12.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control[6]		289 ± 15.7	429 ± 16.5	1139 ± 15.5
Positive Control[8]	320 ± 26.4			

Experiment Number: **174544**

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

G06: Ames Summary Data

Test Compound: **Azoxymethane**

CAS Number: **25843-45-2**

Date Report Requested: **09/13/2018**

Time Report Requested: **14:08:25**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	14 ± 2.4	12 ± 0.9	31 ± 1.7	21 ± 1.0
100.0	22 ± 4.4	16 ± 0.9	29 ± 3.2	27 ± 0.3
333.0	20 ± 1.5	13 ± 0.9	28 ± 3.7	31 ± 2.7
1000.0	21 ± 5.6	16 ± 2.6	28 ± 1.7	32 ± 1.9
3333.0	19 ± 3.0	13 ± 3.7	32 ± 1.5	26 ± 3.1
10000.0	35 ± 0.7	20 ± 1.0	28 ± 2.9	29 ± 3.2
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control[5]				59 ± 8.0
Positive Control[9]	278 ± 19.2	152 ± 6.1		
Positive Control[3]			116 ± 1.7	

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: Water
2: 0.5 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.0 ug/Plate 2-Aminoanthracene
5: 0.4 ug/Plate 2-Aminoanthracene
6: 2.5 ug/Plate 2-Aminoanthracene
7: 4.0 ug/Plate 9-Aminoacridine
8: 8.0 ug/Plate 9-Aminoacridine
9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **