Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

NTP Study Number: A80503

Study Result: Negative

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	122 ± 6.2	101 ± 8.1	121 ± 7.9	158 ± 4.0	111 ± 4.1
0.3	128 ± 9.8	113 ± 8.0			
1.0	135 ± 9.7	105 ± 4.8			
3.0	121 ± 12.1	99 ± 5.2			
10.0	129 ± 7.9	113 ± 6.8	143 ± 4.7	178 ± 2.9	124 ± 5.8
33.0	75 ± 2.3[s]	84 ± 6.9	137 ± 2.3	173 ± 4.9	122 ± 6.4
100.0			124 ± 4.4	163 ± 11.9	116 ± 8.1
333.0			Toxic	168 ± 1.2	Toxic
1000.0			Toxic	160 ± 9.8	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			531 ± 33.0		1824 ± 97.3
Positive Control[3]	547 ± 4.7	397 ± 23.0			
Positive Control[4]				588 ± 16.1	

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	154 ± 4.4
0.3	
1.0	
3.0	
10.0	152 ± 3.7
33.0	163 ± 2.0
100.0	153 ± 8.8
333.0	145 ± 4.6
1000.0	125 ± 8.5
Trial Summary	Negative
Positive Control[2]	840 ± 28.6
Positive Control[3]	
Positive Control[4]	

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	8 ± 0.6	7 ± 0.6	8 ± 0.6	13 ± 2.1	10 ± 2.7
0.3	9 ± 1.7	13 ± 2.0			
1.0	7 ± 3.5	9 ± 2.2			
3.0	11 ± 2.5	11 ± 1.8			
10.0	12 ± 2.4	10 ± 3.5	11 ± 1.5	12 ± 2.7	11 ± 2.7
33.0	8 ± 2.5	8 ± 1.9	12 ± 2.0	13 ± 1.9	10 ± 1.7
100.0			13 ± 2.0	13 ± 2.3	10 ± 1.3
333.0			Toxic	19 ± 3.1	8 ± 1.3
1000.0			Toxic	15 ± 1.5	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			74 ± 6.4	53 ± 0.7	182 ± 3.2
Positive Control[3]	405 ± 34.1	379 ± 23.9			

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	13 ± 1.9
0.3	
1.0	
3.0	
10.0	16 ± 1.2
33.0	11 ± 2.6
100.0	11 ± 2.0
333.0	12 ± 1.5
1000.0	13 ± 0.9
Trial Summary	Negative
Positive Control[2]	130 ± 10.6
Positive Control[3]	

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	89 ± 6.4	83 ± 3.9	134 ± 1.0	223 ± 2.4	126 ± 6.6
0.3	101 ± 15.8	102 ± 10.1			
1.0	86 ± 10.8	99 ± 15.8			
3.0	77 ± 3.6	102 ± 3.9			
10.0	Toxic	85 ± 6.2	130 ± 9.5	199 ± 24.5	101 ± 5.3
33.0	Toxic	67 ± 3.8	109 ± 3.3	209 ± 17.4	114 ± 6.1
100.0			73 ± 3.3[s]	201 ± 16.2	96 ± 9.0
333.0			Toxic	193 ± 4.4	Toxic
1000.0			Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			547 ± 11.9		1413 ± 70.2
Positive Control[4]				485 ± 12.1	
Positive Control[5]	149 ± 1.3	253 ± 11.3			

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control[1]	152 ± 13.7	222 ± 6.8
0.3		
1.0		
3.0		
10.0	128 ± 5.0	212 ± 6.0
33.0	142 ± 11.8	207 ± 10.3
100.0	160 ± 6.5	185 ± 4.9
333.0	182 ± 8.4	157 ± 10.5
1000.0	147 ± 4.3	Toxic
Trial Summary	Negative	Negative
Positive Control[2]	644 ± 20.7	596 ± 27.8
Positive Control[4]		
Positive Control[5]		

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 3.4	19 ± 4.2	24 ± 3.2	22 ± 3.5	26 ± 3.8
0.3	20 ± 2.3	17 ± 0.7			
1.0	16 ± 2.1	21 ± 2.0			
3.0	18 ± 1.3	16 ± 3.7			
10.0	24 ± 2.4	17 ± 1.5	28 ± 1.7	22 ± 4.8	31 ± 1.7
33.0	11 ± 1.5	12 ± 1.5	27 ± 1.0	19 ± 3.2	26 ± 3.5
100.0			33 ± 3.5	27 ± 5.5	25 ± 2.3
333.0			Toxic	22 ± 3.7	20 ± 2.1
1000.0			Toxic	23 ± 1.0	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			905 ± 25.2	184 ± 4.0	2535 ± 42.8
Positive Control[6]	123 ± 3.8	236 ± 8.7			

Experiment Number: **A80503**

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

G06: Ames Summary Data

Test Compound: **Pentabromoethane**

CAS Number: **75-95-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:50:22**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	30 ± 3.6
0.3	
1.0	
3.0	
10.0	27 ± 3.5
33.0	32 ± 2.9
100.0	29 ± 5.2
333.0	28 ± 2.2
1000.0	27 ± 2.1
Trial Summary	Negative
Positive Control[2]	851 ± 12.3
Positive Control[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: 2.0 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **