

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Study Number: C11054B-02
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.8
Stat Version: v2.5.2A

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Male: Interim Animals

	Phase Day	Treatment Groups (mg/L)			
		0	30	100	300
Hematocrit (%)	SD 91	52.7 ± 0.6 (8)	52.4 ± 0.4 (9)	52.7 ± 0.5 (8)	52.2 ± 0.4 (8)
Percent of Control			99.4	99.9	99.0
Manual Hematocrit (%)	SD 91	49.4 ± 0.5 (8)	49.5 ± 0.4 (8)	49.5 ± 0.6 (6)	49.0 ± 0.4 (7)
Percent of Control			100.3	100.3	99.2
Hemoglobin (g/dL)	SD 91	15.3 ± 0.1 (8)	15.2 ± 0.1 (9)	15.2 ± 0.1 (8)	15.1 ± 0.1 (8)
Percent of Control			99.7	99.5	98.9
Erythrocytes (10 ⁶ /uL)	SD 91	10.49 ± 0.07 (8)	10.53 ± 0.05 (9)	10.61 ± 0.09 (8)	10.43 ± 0.06 (8)
Percent of Control			100.4	101.2	99.4
Reticulocytes (10 ³ /uL)	SD 91	281.7 ± 10.4 (8)	282.0 ± 5.3 (9)	278.5 ± 5.8 (8)	266.7 ± 12.5 (8)
Percent of Control			100.1	98.9	94.7
Mean Cell Volume (fL)	SD 91	50.3 ± 0.5 (8)	49.8 ± 0.3 (9)	49.7 ± 0.2 (8)	50.1 ± 0.2 (8)
Percent of Control			99.0	98.8	99.6
Mean Cell Hemoglobin (pg)	SD 91	14.6 ± 0.1 (8)	14.5 ± 0.1 (9)	14.3 ± 0.1 (8)	14.5 ± 0.1 (8)
Percent of Control			99.3	98.4	99.5
Mean Cell Hemoglobin Concentration (g/dL)	SD 91	29.0 ± 0.3 (8)	29.1 ± 0.2 (9)	28.9 ± 0.2 (8)	29.0 ± 0.2 (8)
Percent of Control			100.3	99.7	100.0
Platelets (10 ³ /uL)	SD 91	1114 ± 37 (8)	1107 ± 25 (9)	1050 ± 20 (8)	1100 ± 25 (8)
Percent of Control			99.4	94.2	98.8
White Blood Cells (10 ³ /uL)	SD 91	3.28 ± 0.63 (8)	3.01 ± 0.30 (9)	3.65 ± 0.38 (8)	2.57 ± 0.38 (8)
Percent of Control			91.8	111.2	78.2
Neutrophils (10 ³ /uL)	SD 91	0.50 ± 0.09 (8)	0.43 ± 0.05 (9)	0.57 ± 0.05 (8)	0.45 ± 0.08 (8)
Percent of Control			85.8	115.3	90.5

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Male: Interim Animals

	Phase Day	Treatment Groups (mg/L)							
		0		30		100		300	
Lymphocytes (10 ³ /uL)	SD 91	2.61 ±	0.51 (8)	2.42 ±	0.24 (9)	2.86 ±	0.30 (8)	2.01 ±	0.31 (8)
Percent of Control				92.8		109.5		76.9	
Total Lymphocytes (10 ³ /uL)	SD 91	2.63 ±	0.51 (8)	2.44 ±	0.24 (9)	2.88 ±	0.30 (8)	2.02 ±	0.31 (8)
Percent of Control				92.8		109.6		76.8	
Monocytes (10 ³ /uL)	SD 91	0.08 ±	0.02 (8)	0.08 ±	0.02 (9)	0.10 ±	0.01 (8)	0.06 ±	0.02 (8)
Percent of Control				110.7		126.2		83.6	
Basophils (10 ³ /uL)	SD 91	0.01 ±	0.00 (8)	0.00 ±	0.00 (9)	0.00 ±	0.00 (8)	0.00 ±	0.00 (8)
Percent of Control				88.9		75.0		50.0	
Eosinophils (10 ³ /uL)	SD 91	0.08 ±	0.02 (8)	0.06 ±	0.01 (9)	0.09 ±	0.05 (8)	0.03 ±	0.01 (8)
Percent of Control				75.8		123.0		42.6	
Large Unstained Cells (10 ³ /uL)	SD 91	0.02 ±	0.01 (8)	0.02 ±	0.00 (9)	0.02 ±	0.00 (8)	0.01 ±	0.00 (8)
Percent of Control				94.4		118.8		68.8	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Male: Interim Animals

	Phase Day	Treatment Groups		
		1000		
Hematocrit (%)	SD 91	52.1	± 0.3 (10)	
Percent of Control		98.8		
Manual Hematocrit (%)	SD 91	48.8	± 0.5 (8)	
Percent of Control		98.7		
Hemoglobin (g/dL)	SD 91	15.3	± 0.1 (10)	
Percent of Control		99.9		
Erythrocytes (10 ⁶ /uL)	SD 91	10.42	± 0.06 (10)	
Percent of Control		99.3		
Reticulocytes (10 ³ /uL)	SD 91	286.8	± 5.9 (10)	
Percent of Control		101.8		
Mean Cell Volume (fL)	SD 91	50.0	± 0.2 (10)	
Percent of Control		99.5		
Mean Cell Hemoglobin (pg)	SD 91	14.6	± 0.1 (10)	
Percent of Control		100.4		
Mean Cell Hemoglobin Concentration (g/dL)	SD 91	29.3	± 0.1 (10)	
Percent of Control		101.0		
Platelets (10 ³ /uL)	SD 91	1059	± 16 (10)	
Percent of Control		95.1		
White Blood Cells (10 ³ /uL)	SD 91	3.79	± 0.18 (10)	
Percent of Control		115.4		
Neutrophils (10 ³ /uL)	SD 91	0.54	± 0.05 (10)	
Percent of Control		109.1		

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Male: Interim Animals

	Phase Day	Treatment Groups
		1000
Lymphocytes (10 ³ /uL) Percent of Control	SD 91	3.04 ± 0.14 (10) 116.5
Total Lymphocytes (10 ³ /uL) Percent of Control	SD 91	3.07 ± 0.15 (10) 116.7
Monocytes (10 ³ /uL) Percent of Control	SD 91	0.10 ± 0.01 (10) 131.1
Basophils (10 ³ /uL) Percent of Control	SD 91	0.01 ± 0.00 (10) 140.0
Eosinophils (10 ³ /uL) Percent of Control	SD 91	0.07 ± 0.01 (10) 87.9
Large Unstained Cells (10 ³ /uL) Percent of Control	SD 91	0.03 ± 0.00 (10) 140.0

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Female: Interim Animals

	Phase Day	Treatment Groups (mg/L)			
		0	30	100	300
Hematocrit (%)	SD 91	50.3 ± 0.2 (8)	49.7 ± 0.6 (10)	49.9 ± 0.4 (8)	49.5 ± 0.5 (10)
Percent of Control			98.8	99.3	98.5
Manual Hematocrit (%)	SD 91	44.3 ± 0.5 (6)	46.9 ± 0.4 (9) *	47.0 ± 0.4 (6) *	46.2 ± 0.9 (9)
Percent of Control			105.8	106.0	104.3
Hemoglobin (g/dL)	SD 91	15.0 ± 0.1 (7)	14.7 ± 0.2 (10)	14.9 ± 0.1 (8)	14.8 ± 0.1 (10)
Percent of Control			98.1	99.1	98.5
Erythrocytes (10 ⁶ /uL)	SD 91	10.16 ± 0.05 (8)	9.93 ± 0.12 (10)	10.08 ± 0.07 (8)	9.95 ± 0.11 (10)
Percent of Control			97.7	99.2	98.0
Reticulocytes (10 ³ /uL)	SD 91	299.7 ± 34.5 (8)	302.3 ± 18.1 (10)	324.9 ± 17.8 (8)	274.7 ± 17.9 (10)
Percent of Control			100.9	108.4	91.7
Mean Cell Volume (fL)	SD 91	49.5 ± 0.1 (8)	50.0 ± 0.3 (10)	49.5 ± 0.3 (8)	49.8 ± 0.2 (10)
Percent of Control			101.1	100.1	100.6
Mean Cell Hemoglobin (pg)	SD 91	14.7 ± 0.1 (7)	14.8 ± 0.1 (10)	14.7 ± 0.1 (8)	14.8 ± 0.0 (10)
Percent of Control			100.5	100.1	100.7
Mean Cell Hemoglobin Concentration (g/dL)	SD 91	29.7 ± 0.1 (7)	29.6 ± 0.2 (10)	29.8 ± 0.3 (8)	29.8 ± 0.2 (10)
Percent of Control			99.7	100.2	100.3
Platelets (10 ³ /uL)	SD 91	967 ± 24 (8)	945 ± 45 (10)	967 ± 33 (8)	992 ± 22 (10)
Percent of Control			97.7	100.0	102.5
White Blood Cells (10 ³ /uL)	SD 91	3.39 ± 0.32 (8)	3.13 ± 0.30 (10)	3.29 ± 0.24 (8)	3.32 ± 0.24 (10)
Percent of Control			92.3	97.1	98.0
Neutrophils (10 ³ /uL)	SD 91	0.45 ± 0.04 (8)	0.48 ± 0.06 (10)	0.45 ± 0.04 (8)	0.46 ± 0.04 (10)
Percent of Control			106.5	99.4	102.3

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Female: Interim Animals

	Phase Day	Treatment Groups (mg/L)							
		0		30		100		300	
Lymphocytes (10 ³ /uL)	SD 91	2.75 ±	0.26 (8)	2.48 ±	0.24 (10)	2.69 ±	0.21 (8)	2.71 ±	0.20 (10)
Percent of Control				90.3		97.8		98.5	
Total Lymphocytes (10 ³ /uL)	SD 91	2.79 ±	0.27 (8)	2.50 ±	0.24 (10)	2.72 ±	0.21 (8)	2.74 ±	0.21 (10)
Percent of Control				89.9		97.5		98.2	
Monocytes (10 ³ /uL)	SD 91	0.08 ±	0.01 (8)	0.08 ±	0.01 (10)	0.08 ±	0.01 (8)	0.08 ±	0.01 (10)
Percent of Control				96.5		101.6		95.2	
Basophils (10 ³ /uL)	SD 91	0.00 ±	0.00 (8)	0.01 ±	0.00 (10)	0.01 ±	0.00 (8)	0.01 ±	0.00 (10)
Percent of Control				240.0		250.0		240.0	
Eosinophils (10 ³ /uL)	SD 91	0.08 ±	0.02 (8)	0.06 ±	0.01 (10)	0.05 ±	0.01 (8)	0.05 ±	0.01 (10)
Percent of Control				84.0		65.0		60.0	
Large Unstained Cells (10 ³ /uL)	SD 91	0.03 ±	0.01 (8)	0.02 ±	0.00 (10)	0.03 ±	0.00 (8)	0.03 ±	0.00 (10)
Percent of Control				59.3		77.8		74.1	

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Female: Interim Animals

	Phase Day	Treatment Groups
		1000
Hematocrit (%)	SD 91	49.8 ± 0.3 (9)
Percent of Control		99.1
Manual Hematocrit (%)	SD 91	45.4 ± 0.3 (8)
Percent of Control		102.3
Hemoglobin (g/dL)	SD 91	14.8 ± 0.1 (9)
Percent of Control		98.5
Erythrocytes (10 ⁶ /uL)	SD 91	9.89 ± 0.08 (9)
Percent of Control		97.4
Reticulocytes (10 ³ /uL)	SD 91	315.3 ± 14.5 (9)
Percent of Control		105.2
Mean Cell Volume (fL)	SD 91	50.4 ± 0.3 (9)
Percent of Control		101.8
Mean Cell Hemoglobin (pg)	SD 91	14.9 ± 0.1 (9)
Percent of Control		101.4
Mean Cell Hemoglobin Concentration (g/dL)	SD 91	29.7 ± 0.2 (9)
Percent of Control		99.9
Platelets (10 ³ /uL)	SD 91	888 ± 30 (9)
Percent of Control		91.7
White Blood Cells (10 ³ /uL)	SD 91	2.92 ± 0.35 (9)
Percent of Control		86.3
Neutrophils (10 ³ /uL)	SD 91	0.36 ± 0.03 (9)
Percent of Control		81.2

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

Female: Interim Animals

	Phase Day	Treatment Groups
		1000
Lymphocytes (10 ³ /uL) Percent of Control	SD 91	2.41 ± 0.31 (9) 87.5
Total Lymphocytes (10 ³ /uL) Percent of Control	SD 91	2.43 ± 0.31 (9) 87.4
Monocytes (10 ³ /uL) Percent of Control	SD 91	0.07 ± 0.01 (9) 88.9
Basophils (10 ³ /uL) Percent of Control	SD 91	0.01 ± 0.00 (9) 222.2
Eosinophils (10 ³ /uL) Percent of Control	SD 91	0.05 ± 0.01 (9) 71.1
Large Unstained Cells (10 ³ /uL) Percent of Control	SD 91	0.03 ± 0.01 (9) 79.0

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA43: Hematology Summary
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 07/26/2021
Time Report Requested: 10:05:58
Lab: Battelle

LEGEND

Values given as mean $\pm$ SEM (N) with Percent of Control calculated by (dosed group mean / control group mean) x 100

SD – Study Day

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

One value each for Hemoglobin, Mean Cell Hemoglobin, and Mean Cell Hemoglobin Concentration in the 0 mg/L Females were excluded. These were excluded because they were outliers.

**** END OF REPORT ****