

**Study Number:** 108020006  
**Test Type:** 5-Day Toxicity  
**Route:** Whole-Body Inhalation  
**Species/Strain:** Rat/Harlan Sprague Dawley

**PA43: Hematology Summary**  
**Test Compound:** 1,2-Dichlorobenzene  
**CAS Number:** 95-50-1

**Date Report Requested:** 11/25/2025  
**Time Report Requested:** 12:38:07  
**Lab:** Battelle

**Study Number:** 108020006  
**Study Sex:** Female  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** local  
**Stat Version:** 2023.02.27S  
**Study Version Details:** Initial (1)

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	Phase Day	Treatment Groups (ppm)											
		0			1			10			30		
Hematocrit (%)	SD 5	43.5	± 0.4	(8)	43.2	± 0.7	(5)	43.4	± 0.4	(3)	42.6	± 0.3	(5)
Percent of Control						99.4			99.7			97.9	
Manual Hematocrit (%)	SD 5	44.9	± 0.4	(8)	45.2	± 1.1	(5)	45.0	± 0.6	(3)	46.6	± 1.8	(5)
Percent of Control						100.7			100.3			103.8	
Hemoglobin (g/dL)	SD 5	15.0	± 0.1	(8)	14.9	± 0.2	(5)	15.2	± 0.1	(3)	14.7	± 0.2	(5)
Percent of Control						99.0			101.2			97.7	
Erythrocytes (10 <sup>6</sup> /uL)	SD 5	7.86	± 0.07	(8)	7.78	± 0.11	(5)	7.86	± 0.07	(3)	7.84	± 0.14	(5)
Percent of Control						98.9			100.0			99.7	
Reticulocytes (10 <sup>6</sup> /uL)	SD 5	0.2189 ± 0.0076 (8)			0.1990 ± 0.0116 (5)			0.2329 ± 0.0188 (3)			0.2208 ± 0.0196 (5)		
Percent of Control						90.9			106.4			100.8	
Mean Cell Volume (fL)	SD 5	55.3	± 0.3	(8) *	55.6	± 1.1	(5)	55.2	± 0.4	(3)	54.4	± 0.8	(5)
Percent of Control						100.5			99.7			98.3	
Mean Cell Hemoglobin (pg)	SD 5	19.1	± 0.1	(8)	19.1	± 0.5	(5)	19.3	± 0.2	(3)	18.7	± 0.3	(5)
Percent of Control						100.1			101.2			98.0	
Mean Cell Hemoglobin Concentration (g/dL)	SD 5	34.5	± 0.2	(8)	34.4	± 0.3	(5)	35.1	± 0.2	(3)	34.4	± 0.4	(5)
Percent of Control						99.5			101.5			99.7	
Platelets (10 <sup>3</sup> /uL)	SD 5	961	± 55	(8)	1102	± 60	(5)	823	± 147	(3)	1070	± 88	(5)
Percent of Control						114.7			85.7			111.3	
White Blood Cells (10 <sup>3</sup> /uL)	SD 5	11.99	± 1.05	(8)	9.31	± 0.88	(5)	10.08	± 2.53	(3)	10.46	± 0.75	(5)
Percent of Control						77.6			84.1			87.2	
Neutrophils (10 <sup>3</sup> /uL)	SD 5	1.46	± 0.20	(8)	1.03	± 0.15	(5)	1.31	± 0.09	(3)	1.74	± 0.45	(5)
Percent of Control						70.5			89.5			118.9	

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		0			1			10			30		
Lymphocytes (10 <sup>3</sup> /uL)	SD 5	9.82	± 0.86	(8)	7.93	± 0.74	(5)	8.13	± 2.26	(3)	8.09	± 0.78	(5)
Percent of Control					80.7			82.8			82.4		
Monocytes (10 <sup>3</sup> /uL)	SD 5	0.53	± 0.09	(8)	0.24	± 0.03	(5)	0.47	± 0.21	(3)	0.47	± 0.06	(5)
Percent of Control					45.8			88.9			87.5		
Basophils (10 <sup>3</sup> /uL)	SD 5	0.04	± 0.01	(8)	0.03	± 0.01	(5)	0.05	± 0.01	(3)	0.04	± 0.01	(5)
Percent of Control					68.6			106.7			91.4		
Eosinophils (10 <sup>3</sup> /uL)	SD 5	0.13	± 0.03	(8)	0.08	± 0.01	(5)	0.12	± 0.03	(3)	0.12	± 0.03	(5)
Percent of Control					57.4			90.6			92.1		

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	Phase Day	Treatment Groups (ppm)								
		100			250			500		
Hematocrit (%)	SD 5	43.4	± 0.6	(5)	42.2	± 0.4	(4)	47.1	± 1.5	(5)
Percent of Control			99.9			97.0			108.4	
Manual Hematocrit (%)	SD 5	44.4	± 1.0	(5)	43.8	± 1.1	(4)	52.0	± 2.7	(5)
Percent of Control			98.9			97.5			115.9	
Hemoglobin (g/dL)	SD 5	14.8	± 0.2	(5)	14.8	± 0.2	(4)	16.6	± 0.6	(5)
Percent of Control			98.9			98.6			110.3	
Erythrocytes (10 <sup>6</sup> /uL)	SD 5	7.92	± 0.10	(5)	7.64	± 0.07	(4)	8.69	± 0.22	(5)
Percent of Control			100.8			97.2			110.6	
Reticulocytes (10 <sup>6</sup> /uL)	SD 5	0.2295 ± 0.0109 (5)			0.1863 ± 0.0117 (4)			0.1887 ± 0.0199 (5)		
Percent of Control			104.8			85.1			86.2	
Mean Cell Volume (fL)	SD 5	54.8	± 0.3	(5)	55.2	± 0.0	(4)	54.2	± 0.5	(5)
Percent of Control			99.1			99.7			97.9	
Mean Cell Hemoglobin (pg)	SD 5	18.8	± 0.1	(5)	19.4	± 0.1	(4)	19.0	± 0.3	(5)
Percent of Control			98.2			101.3			99.6	
Mean Cell Hemoglobin Concentration (g/dL)	SD 5	34.2	± 0.2	(5)	35.1	± 0.2	(4)	35.1	± 0.3	(5)
Percent of Control			98.9			101.6			101.7	
Platelets (10 <sup>3</sup> /uL)	SD 5	922	± 94	(5)	1012	± 67	(4)	917	± 65	(5)
Percent of Control			95.9			105.3			95.5	
White Blood Cells (10 <sup>3</sup> /uL)	SD 5	9.25	± 0.99	(5)	13.79	± 0.74	(4)	10.62	± 1.21	(5)
Percent of Control			77.2			115.0			88.6	
Neutrophils (10 <sup>3</sup> /uL)	SD 5	0.81	± 0.10	(5)	2.17	± 0.38	(4)	1.41	± 0.12	(5)
Percent of Control			55.6			148.8			96.7	

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		100			250			500		
Lymphocytes (10 <sup>3</sup> /uL)	SD 5	8.08	± 0.92	(5)	10.69	± 0.86	(4)	8.56	± 1.04	(5)
Percent of Control			82.3			108.9			87.2	
Monocytes (10 <sup>3</sup> /uL)	SD 5	0.25	± 0.03	(5)	0.66	± 0.12	(4)	0.46	± 0.09	(5)
Percent of Control			47.7			123.0			85.6	
Basophils (10 <sup>3</sup> /uL)	SD 5	0.04	± 0.01	(5)	0.06	± 0.01	(4)	0.03	± 0.00	(5)
Percent of Control			82.3			142.9			68.6	
Eosinophils (10 <sup>3</sup> /uL)	SD 5	0.07	± 0.02	(5)	0.20	± 0.04	(4)	0.17	± 0.04	(5)
Percent of Control			51.3			152.8			126.8	

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## LEGEND

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Values are displayed as mean  $\pm$  SEM (N).

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  $p \leq 0.01$

\* Statistically significant at  $p \leq 0.05$

SD = Study Day

SEM = Standard Error of the Mean

**\*\* END OF REPORT \*\***