

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Gender:

PWG Approval Date:

Version:

Stat Version:

PA43: Hematology Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

C94043-03

Both

See web page for date of PWG Approval

v1.2.8

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Date Report Requested: 08/02/2021

Time Report Requested: 09:10:38

Lab: Battelle

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Lab: Battelle

F1 Male: F1 Interim Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
Hematocrit (%)	PND 28	46.6 ± 0.9 (10)	46.8 ± 1.0 (10)	45.8 ± 0.9 (10)	47.3 ± 1.2 (10)
Percent of Control			100.4	98.4	101.5
Manual Hematocrit (%)	PND 28	45.4 ± 1.3 (10)	45.4 ± 1.0 (10)	44.9 ± 0.9 (10)	45.9 ± 1.2 (10)
Percent of Control			99.9	98.9	101.0
Hemoglobin (g/dL)	PND 28	13.3 ± 0.2 (10)	13.4 ± 0.3 (10)	13.1 ± 0.2 (10)	13.5 ± 0.3 (10)
Percent of Control			100.7	98.9	101.3
Erythrocytes (10 ⁶ /uL)	PND 28	6.51 ± 0.10 (10)	6.55 ± 0.15 (10)	6.48 ± 0.10 (10)	6.73 ± 0.15 (10)
Percent of Control			100.5	99.6	103.3
Reticulocytes (10 ³ /uL)	PND 28	711.6 ± 28.0 (10)	749.8 ± 28.9 (10)	734.4 ± 24.4 (10)	718.6 ± 21.0 (10)
Percent of Control			105.4	103.2	101.0
Mean Cell Volume (fL)	PND 28	71.5 ± 0.5 (10)	71.5 ± 0.4 (10)	70.6 ± 0.5 (10)	70.3 ± 0.6 (10)
Percent of Control			100.0	98.8	98.3
Mean Cell Hemoglobin (pg)	PND 28	20.4 ± 0.1 (10) **	20.4 ± 0.2 (10)	20.3 ± 0.2 (10)	20.0 ± 0.1 (10)
Percent of Control			100.0	99.2	98.0
Mean Cell Hemoglobin Concentration (g/dL)	PND 28	28.6 ± 0.1 (10)	28.6 ± 0.1 (10)	28.7 ± 0.1 (10)	28.5 ± 0.1 (10)
Percent of Control			100.1	100.4	99.8
Platelets (10 ³ /uL)	PND 28	927 ± 40 (10)	936 ± 47 (10)	950 ± 43 (10)	924 ± 42 (10)
Percent of Control			101.0	102.5	99.7
White Blood Cells (10 ³ /uL)	PND 28	7.88 ± 0.40 (10)	7.38 ± 0.34 (10)	7.56 ± 0.26 (10)	7.73 ± 0.34 (10)
Percent of Control			93.6	95.9	98.0
Neutrophils (10 ³ /uL)	PND 28	0.74 ± 0.06 (10)	0.74 ± 0.04 (10)	0.72 ± 0.03 (10)	0.78 ± 0.05 (10)
Percent of Control			99.1	97.2	105.8

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Lab: Battelle

F1 Male: F1 Interim Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
Lymphocytes (10 ³ /uL)	PND 28	6.63 ± 0.34 (10)	6.18 ± 0.30 (10)	6.32 ± 0.24 (10)	6.42 ± 0.28 (10)
Percent of Control			93.3	95.4	96.9
Monocytes (10 ³ /uL)	PND 28	0.39 ± 0.03 (10)	0.36 ± 0.02 (10)	0.39 ± 0.01 (10)	0.39 ± 0.04 (10)
Percent of Control			92.3	101.6	101.9
Basophils (10 ³ /uL)	PND 28	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)
Percent of Control			81.8	104.5	77.3
Eosinophils (10 ³ /uL)	PND 28	0.04 ± 0.01 (10)	0.02 ± 0.00 (10)	0.04 ± 0.01 (10)	0.05 ± 0.01 (10)
Percent of Control			62.0	102.5	122.8
Large Unstained Cells (10 ³ /uL)	PND 28	0.07 ± 0.01 (10)	0.06 ± 0.01 (10)	0.06 ± 0.01 (10)	0.06 ± 0.01 (10)
Percent of Control			94.8	91.9	92.6

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Lab: Battelle

F1 Male: F1 Interim Animals

		Treatment Groups	
	Phase Day	250	
Hematocrit (%)	PND 28	47.3 ± 1.4 (11)	
Percent of Control		101.5	
Manual Hematocrit (%)	PND 28	45.6 ± 1.4 (11)	
Percent of Control		100.5	
Hemoglobin (g/dL)	PND 28	13.5 ± 0.4 (11)	
Percent of Control		101.3	
Erythrocytes (10 ⁶ /uL)	PND 28	6.73 ± 0.19 (11)	
Percent of Control		103.4	
Reticulocytes (10 ³ /uL)	PND 28	771.2 ± 17.9 (11)	
Percent of Control		108.4	
Mean Cell Volume (fL)	PND 28	70.3 ± 0.6 (11)	
Percent of Control		98.3	
Mean Cell Hemoglobin (pg)	PND 28	20.0 ± 0.1 (11)	
Percent of Control		98.0	
Mean Cell Hemoglobin Concentration (g/dL)	PND 28	28.5 ± 0.1 (11)	
Percent of Control		99.7	
Platelets (10 ³ /uL)	PND 28	1084 ± 48 (11)	
Percent of Control		116.9	
White Blood Cells (10 ³ /uL)	PND 28	6.97 ± 0.41 (11)	
Percent of Control		88.5	
Neutrophils (10 ³ /uL)	PND 28	0.73 ± 0.06 (11)	
Percent of Control		98.0	

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Lab: Battelle

F1 Male: F1 Interim Animals

		Treatment Groups
	Phase Day	250
Lymphocytes (10 ³ /uL)	PND 28	5.79 ± 0.33 (11)
Percent of Control		87.4
Monocytes (10 ³ /uL)	PND 28	0.35 ± 0.04 (11)
Percent of Control		91.4
Basophils (10 ³ /uL)	PND 28	0.02 ± 0.00 (11)
Percent of Control		80.6
Eosinophils (10 ³ /uL)	PND 28	0.03 ± 0.01 (11)
Percent of Control		75.9
Large Unstained Cells (10 ³ /uL)	PND 28	0.05 ± 0.01 (11)
Percent of Control		79.5

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Lab: Battelle

F1 Female: F1 Interim Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
Hematocrit (%)	PND 28	48.5 ± 0.8 (10)	46.1 ± 0.4 (10)	49.4 ± 1.6 (10)	50.0 ± 1.1 (10)
Percent of Control			95.0	101.8	103.1
Manual Hematocrit (%)	PND 28	46.9 ± 0.7 (10)	44.9 ± 0.5 (10)	47.1 ± 1.3 (10)	47.8 ± 0.9 (10)
Percent of Control			95.6	100.3	101.8
Hemoglobin (g/dL)	PND 28	13.9 ± 0.2 (10)	13.3 ± 0.1 (10) *	14.0 ± 0.4 (10)	14.3 ± 0.3 (10)
Percent of Control			95.4	100.8	102.4
Erythrocytes (10 ⁶ /uL)	PND 28	6.86 ± 0.09 (10)	6.64 ± 0.09 (10)	6.98 ± 0.19 (10)	7.13 ± 0.16 (10)
Percent of Control			96.8	101.8	104.0
Reticulocytes (10 ³ /uL)	PND 28	681.0 ± 21.9 (10)	659.2 ± 19.7 (10)	707.4 ± 28.4 (10)	701.1 ± 12.6 (10)
Percent of Control			96.8	103.9	102.9
Mean Cell Volume (fL)	PND 28	70.6 ± 0.5 (10)	69.4 ± 0.7 (10)	70.7 ± 0.5 (10)	70.1 ± 0.4 (10)
Percent of Control			98.2	100.0	99.3
Mean Cell Hemoglobin (pg)	PND 28	20.3 ± 0.1 (10) *	20.0 ± 0.2 (10)	20.1 ± 0.1 (10)	20.0 ± 0.1 (10)
Percent of Control			98.6	99.2	98.7
Mean Cell Hemoglobin Concentration (g/dL)	PND 28	28.7 ± 0.1 (10) *	28.8 ± 0.1 (10)	28.5 ± 0.2 (10)	28.6 ± 0.1 (10)
Percent of Control			100.4	99.2	99.5
Platelets (10 ³ /uL)	PND 28	827 ± 39 (10) **	853 ± 33 (10)	938 ± 28 (10)	866 ± 22 (10)
Percent of Control			103.1	113.3	104.7
White Blood Cells (10 ³ /uL)	PND 28	8.24 ± 0.41 (10)	8.23 ± 0.36 (10)	7.22 ± 0.32 (10)	7.59 ± 0.39 (10)
Percent of Control			99.9	87.6	92.2
Neutrophils (10 ³ /uL)	PND 28	0.75 ± 0.06 (10)	0.79 ± 0.04 (10)	0.62 ± 0.04 (10)	0.72 ± 0.05 (10)
Percent of Control			105.0	82.3	95.3

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Lab: Battelle

F1 Female: F1 Interim Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
Lymphocytes (10 ³ /uL)	PND 28	6.94 ± 0.33 (10)	6.91 ± 0.29 (10)	6.17 ± 0.28 (10)	6.32 ± 0.31 (10)
Percent of Control			99.6	89.0	91.2
Monocytes (10 ³ /uL)	PND 28	0.40 ± 0.03 (10)	0.40 ± 0.03 (10)	0.33 ± 0.03 (10)	0.43 ± 0.07 (10)
Percent of Control			98.3	82.7	105.3
Basophils (10 ³ /uL)	PND 28	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)	0.02 ± 0.00 (10)
Percent of Control			102.2	71.1	84.4
Eosinophils (10 ³ /uL)	PND 28	0.06 ± 0.01 (10)	0.04 ± 0.00 (10)	0.03 ± 0.01 (10)	0.05 ± 0.01 (10)
Percent of Control			78.6	60.7	92.9
Large Unstained Cells (10 ³ /uL)	PND 28	0.06 ± 0.01 (10)	0.06 ± 0.01 (10)	0.04 ± 0.01 (10)	0.05 ± 0.01 (10)
Percent of Control			96.0	61.1	81.7

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Lab: Battelle

F1 Female: F1 Interim Animals

	Phase Day	Treatment Groups
		250
Hematocrit (%)	PND 28	48.6 ± 1.5 (9)
Percent of Control		100.2
Manual Hematocrit (%)	PND 28	46.5 ± 1.4 (9)
Percent of Control		99.1
Hemoglobin (g/dL)	PND 28	13.7 ± 0.4 (9)
Percent of Control		98.1
Erythrocytes (10 ⁶ /uL)	PND 28	7.01 ± 0.17 (9)
Percent of Control		102.2
Reticulocytes (10 ³ /uL)	PND 28	725.7 ± 34.6 (9)
Percent of Control		106.6
Mean Cell Volume (fL)	PND 28	69.4 ± 0.8 (9)
Percent of Control		98.3
Mean Cell Hemoglobin (pg)	PND 28	19.6 ± 0.2 (9) *
Percent of Control		96.4
Mean Cell Hemoglobin Concentration (g/dL)	PND 28	28.2 ± 0.2 (9)
Percent of Control		98.1
Platelets (10 ³ /uL)	PND 28	1028 ± 54 (9) *
Percent of Control		124.3
White Blood Cells (10 ³ /uL)	PND 28	7.43 ± 0.47 (9)
Percent of Control		90.2
Neutrophils (10 ³ /uL)	PND 28	0.78 ± 0.09 (9)
Percent of Control		103.4

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Lab: Battelle

F1 Female: F1 Interim Animals

		Treatment Groups
	Phase Day	250
Lymphocytes (10 ³ /uL)	PND 28	6.16 ± 0.40 (9)
Percent of Control		88.7
Monocytes (10 ³ /uL)	PND 28	0.41 ± 0.03 (9)
Percent of Control		101.8
Basophils (10 ³ /uL)	PND 28	0.02 ± 0.00 (9)
Percent of Control		73.3
Eosinophils (10 ³ /uL)	PND 28	0.02 ± 0.01 (9)
Percent of Control		38.7
Large Unstained Cells (10 ³ /uL)	PND 28	0.05 ± 0.01 (9)
Percent of Control		72.0

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Lab: Battelle

F1 Male: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
Hematocrit (%)	PND 120 - 122	47.3 ± 0.6 (10)	47.8 ± 0.7 (9)	46.7 ± 0.7 (10)	47.2 ± 0.8 (9)
Percent of Control			101.2	98.8	99.9
Manual Hematocrit (%)	PND 120 - 122	47.1 ± 0.6 (10)	48.3 ± 0.7 (10)	48.7 ± 0.9 (10)	47.7 ± 0.6 (10)
Percent of Control			102.5	103.4	101.3
Hemoglobin (g/dL)	PND 120 - 122	15.0 ± 0.1 (10) *	15.2 ± 0.2 (9)	15.0 ± 0.2 (10)	14.8 ± 0.2 (9)
Percent of Control			101.4	99.9	99.0
Erythrocytes (10 ⁶ /uL)	PND 120 - 122	8.61 ± 0.09 (10) **	8.75 ± 0.12 (9)	8.75 ± 0.08 (10)	8.96 ± 0.09 (9) *
Percent of Control			101.6	101.6	104.0
Reticulocytes (10 ³ /uL)	PND 120 - 122	208.0 ± 7.0 (10)	195.9 ± 4.1 (9)	196.1 ± 8.5 (10)	194.5 ± 10.5 (9)
Percent of Control			94.2	94.3	93.5
Mean Cell Volume (fL)	PND 120 - 122	54.9 ± 0.5 (10) **	54.7 ± 0.5 (9)	53.4 ± 0.5 (10)	52.7 ± 0.7 (9) *
Percent of Control			99.7	97.3	96.1
Mean Cell Hemoglobin (pg)	PND 120 - 122	17.4 ± 0.1 (10) **	17.4 ± 0.1 (9)	17.1 ± 0.1 (10)	16.6 ± 0.2 (9) **
Percent of Control			99.9	98.3	95.3
Mean Cell Hemoglobin Concentration (g/dL)	PND 120 - 122	31.7 ± 0.2 (10) **	31.7 ± 0.2 (9)	32.0 ± 0.2 (10)	31.4 ± 0.1 (9)
Percent of Control			100.1	100.9	99.1
Platelets (10 ³ /uL)	PND 120 - 122	736 ± 56 (10) **	839 ± 22 (9)	809 ± 61 (10)	844 ± 49 (9)
Percent of Control			114.0	110.0	114.6

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Lab: Battelle

F1 Male: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
White Blood Cells (10 ³ /uL)	PND 120 - 122	10.24 ± 0.58 (10)	9.72 ± 0.65 (9)	9.44 ± 0.72 (10)	9.83 ± 0.57 (9)
Percent of Control			94.9	92.2	96.0
Neutrophils (10 ³ /uL)	PND 120 - 122	1.44 ± 0.09 (10) *	1.26 ± 0.08 (9)	1.25 ± 0.09 (10)	1.52 ± 0.17 (9)
Percent of Control			87.4	87.0	105.5
Lymphocytes (10 ³ /uL)	PND 120 - 122	8.09 ± 0.54 (10)	7.88 ± 0.59 (9)	7.64 ± 0.66 (10)	7.69 ± 0.41 (9)
Percent of Control			97.3	94.4	95.0
Monocytes (10 ³ /uL)	PND 120 - 122	0.38 ± 0.03 (10)	0.35 ± 0.06 (9)	0.33 ± 0.04 (10)	0.38 ± 0.06 (9)
Percent of Control			91.4	85.9	97.8
Basophils (10 ³ /uL)	PND 120 - 122	0.06 ± 0.01 (10)	0.06 ± 0.01 (9)	0.05 ± 0.01 (10)	0.04 ± 0.01 (9)
Percent of Control			105.1	81.8	80.8
Eosinophils (10 ³ /uL)	PND 120 - 122	0.21 ± 0.04 (10) *	0.13 ± 0.01 (9)	0.13 ± 0.02 (10)	0.15 ± 0.02 (9)
Percent of Control			62.9	63.2	72.9
Large Unstained Cells (10 ³ /uL)	PND 120 - 122	0.05 ± 0.01 (10)	0.05 ± 0.00 (9)	0.05 ± 0.00 (10)	0.05 ± 0.01 (9)
Percent of Control			86.0	86.8	92.2

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Lab: Battelle

F1 Male: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)	
		250	500
Hematocrit (%)	PND 120 - 122	47.7 ± 0.5 (10)	47.0 ± 0.8 (12)
Percent of Control		100.8	99.5
Manual Hematocrit (%)	PND 120 - 122	48.5 ± 0.8 (10)	47.7 ± 0.9 (12)
Percent of Control		103.0	101.2
Hemoglobin (g/dL)	PND 120 - 122	15.0 ± 0.1 (10)	14.5 ± 0.2 (12)
Percent of Control		99.9	97.1
Erythrocytes (10 ⁶ /uL)	PND 120 - 122	9.04 ± 0.09 (10) **	9.23 ± 0.18 (12) **
Percent of Control		104.9	107.2
Reticulocytes (10 ³ /uL)	PND 120 - 122	209.8 ± 10.1 (10)	216.5 ± 9.2 (12)
Percent of Control		100.8	104.1
Mean Cell Volume (fL)	PND 120 - 122	52.8 ± 0.3 (10) **	51.0 ± 0.4 (12) **
Percent of Control		96.2	93.0
Mean Cell Hemoglobin (pg)	PND 120 - 122	16.6 ± 0.1 (10) **	15.8 ± 0.1 (12) **
Percent of Control		95.3	90.6
Mean Cell Hemoglobin Concentration (g/dL)	PND 120 - 122	31.4 ± 0.1 (10)	30.9 ± 0.1 (12) **
Percent of Control		99.0	97.4
Platelets (10 ³ /uL)	PND 120 - 122	831 ± 32 (10)	936 ± 37 (12) **
Percent of Control		113.0	127.2

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Lab: Battelle

F1 Male: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)	
		250	500
White Blood Cells (10 ³ /uL)	PND 120 - 122	9.76 ± 0.61 (10)	10.32 ± 0.52 (12)
Percent of Control		95.3	100.8
Neutrophils (10 ³ /uL)	PND 120 - 122	1.65 ± 0.20 (9)	1.58 ± 0.09 (12)
Percent of Control		114.7	109.7
Lymphocytes (10 ³ /uL)	PND 120 - 122	7.82 ± 0.44 (9)	8.10 ± 0.42 (12)
Percent of Control		96.6	100.0
Monocytes (10 ³ /uL)	PND 120 - 122	0.33 ± 0.04 (9)	0.43 ± 0.05 (12)
Percent of Control		86.2	112.8
Basophils (10 ³ /uL)	PND 120 - 122	0.05 ± 0.00 (9)	0.05 ± 0.00 (12)
Percent of Control		88.9	86.4
Eosinophils (10 ³ /uL)	PND 120 - 122	0.13 ± 0.03 (9)	0.11 ± 0.02 (12)
Percent of Control		60.3	51.5
Large Unstained Cells (10 ³ /uL)	PND 120 - 122	0.05 ± 0.01 (10)	0.06 ± 0.01 (12)
Percent of Control		84.9	105.3

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Lab: Battelle

F1 Female: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
Hematocrit (%)	PND 119 - 120	44.1 ± 0.8 (10)	45.0 ± 0.4 (10)	42.8 ± 0.8 (9)	43.4 ± 0.5 (9)
Percent of Control			102.1	97.2	98.6
Manual Hematocrit (%)	PND 119 - 120	43.8 ± 0.6 (10)	45.4 ± 0.6 (10)	43.5 ± 0.7 (10)	43.6 ± 0.7 (10)
Percent of Control			103.7	99.3	99.5
Hemoglobin (g/dL)	PND 119 - 120	14.2 ± 0.2 (10)	14.5 ± 0.1 (10)	13.7 ± 0.4 (9)	14.1 ± 0.1 (9)
Percent of Control			102.5	96.9	99.3
Erythrocytes (10 ⁶ /uL)	PND 119 - 120	7.78 ± 0.10 (10)	8.02 ± 0.06 (10)	7.77 ± 0.16 (9)	7.96 ± 0.13 (9)
Percent of Control			103.1	99.9	102.4
Reticulocytes (10 ³ /uL)	PND 119 - 120	207.0 ± 15.6 (10)	213.4 ± 11.5 (10)	183.6 ± 8.6 (9)	194.5 ± 7.1 (9)
Percent of Control			103.1	88.7	93.9
Mean Cell Volume (fL)	PND 119 - 120	56.7 ± 0.5 (10) **	56.2 ± 0.5 (10)	55.2 ± 0.5 (9)	54.7 ± 0.7 (9)
Percent of Control			99.1	97.4	96.5
Mean Cell Hemoglobin (pg)	PND 119 - 120	18.2 ± 0.1 (10) **	18.1 ± 0.2 (10)	17.7 ± 0.3 (9)	17.7 ± 0.3 (9)
Percent of Control			99.4	97.0	97.2
Mean Cell Hemoglobin Concentration (g/dL)	PND 119 - 120	32.2 ± 0.2 (10) **	32.3 ± 0.2 (10)	32.0 ± 0.4 (9)	32.4 ± 0.2 (9)
Percent of Control			100.2	99.3	100.5
Platelets (10 ³ /uL)	PND 119 - 120	881 ± 46 (10)	858 ± 28 (10)	842 ± 87 (9)	837 ± 61 (9)
Percent of Control			97.4	95.6	95.0

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA43: Hematology Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 09:10:38

Lab: Battelle

F1 Female: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)			
		0	31.3	62.5	125
White Blood Cells (10 ³ /uL)	PND 119 - 120	6.09 ± 0.53 (10)	6.89 ± 0.74 (10)	6.28 ± 0.68 (9)	7.00 ± 0.41 (9)
Percent of Control			113.2	103.2	115.0
Neutrophils (10 ³ /uL)	PND 119 - 120	0.91 ± 0.07 (10)	0.97 ± 0.12 (10)	0.79 ± 0.12 (9)	1.04 ± 0.06 (9)
Percent of Control			106.8	87.3	113.9
Lymphocytes (10 ³ /uL)	PND 119 - 120	4.82 ± 0.49 (10)	5.50 ± 0.60 (10)	5.19 ± 0.55 (9)	5.53 ± 0.41 (9)
Percent of Control			114.0	107.5	114.8
Monocytes (10 ³ /uL)	PND 119 - 120	0.20 ± 0.03 (10)	0.24 ± 0.04 (10)	0.14 ± 0.03 (9)	0.20 ± 0.03 (9)
Percent of Control			118.8	71.0	97.4
Basophils (10 ³ /uL)	PND 119 - 120	0.03 ± 0.01 (10)	0.03 ± 0.00 (10)	0.02 ± 0.00 (9)	0.03 ± 0.00 (9)
Percent of Control			103.8	94.0	115.4
Eosinophils (10 ³ /uL)	PND 119 - 120	0.10 ± 0.02 (10)	0.12 ± 0.02 (10)	0.11 ± 0.03 (9)	0.18 ± 0.04 (9)
Percent of Control			118.6	105.7	173.2
Large Unstained Cells (10 ³ /uL)	PND 119 - 120	0.03 ± 0.00 (10)	0.03 ± 0.01 (10)	0.02 ± 0.00 (9)	0.03 ± 0.00 (9)
Percent of Control			128.0	88.9	120.0

Study Number: C94043-03

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Lab: Battelle

F1 Female: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)	
		250	500
Hematocrit (%)	PND 119 - 120	45.6 ± 0.5 (8)	43.3 ± 0.6 (10)
Percent of Control		103.5	98.2
Manual Hematocrit (%)	PND 119 - 120	45.2 ± 0.5 (9)	43.4 ± 0.8 (10)
Percent of Control		103.2	99.1
Hemoglobin (g/dL)	PND 119 - 120	14.4 ± 0.1 (8)	13.6 ± 0.2 (10)
Percent of Control		101.5	96.0
Erythrocytes (10 ⁶ /uL)	PND 119 - 120	8.18 ± 0.10 (8) *	7.97 ± 0.10 (10)
Percent of Control		105.1	102.5
Reticulocytes (10 ³ /uL)	PND 119 - 120	226.5 ± 18.4 (8)	221.9 ± 10.5 (10)
Percent of Control		109.4	107.2
Mean Cell Volume (fL)	PND 119 - 120	55.8 ± 0.5 (8)	54.3 ± 0.4 (10) **
Percent of Control		98.4	95.9
Mean Cell Hemoglobin (pg)	PND 119 - 120	17.6 ± 0.1 (8) *	17.0 ± 0.1 (10) **
Percent of Control		96.7	93.5
Mean Cell Hemoglobin Concentration (g/dL)	PND 119 - 120	31.6 ± 0.2 (8)	31.4 ± 0.2 (10) *
Percent of Control		98.1	97.6
Platelets (10 ³ /uL)	PND 119 - 120	891 ± 60 (8)	917 ± 98 (10)
Percent of Control		101.2	104.0

Study Number: C94043-03

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA43: Hematology Summary

Test Compound: Sodium Metavanadate

CAS Number: 13718-26-8

Date Report Requested: 08/02/2021

Time Report Requested: 09:10:38

Lab: Battelle

F1 Female: F1 Core Animals

	Phase Day	Treatment Groups (mg/L)	
		250	500
White Blood Cells ($10^3/\mu\text{L}$)	PND 119 - 120	6.79 \pm 0.95 (8)	7.43 \pm 0.41 (10)
Percent of Control		111.5	122.1
Neutrophils ($10^3/\mu\text{L}$)	PND 119 - 120	1.01 \pm 0.16 (8)	1.01 \pm 0.09 (10)
Percent of Control		110.9	110.9
Lymphocytes ($10^3/\mu\text{L}$)	PND 119 - 120	5.36 \pm 0.71 (8)	5.96 \pm 0.41 (10)
Percent of Control		111.2	123.6
Monocytes ($10^3/\mu\text{L}$)	PND 119 - 120	0.26 \pm 0.06 (8)	0.27 \pm 0.04 (10)
Percent of Control		128.1	131.7
Basophils ($10^3/\mu\text{L}$)	PND 119 - 120	0.03 \pm 0.00 (8)	0.03 \pm 0.00 (10)
Percent of Control		105.8	107.7
Eosinophils ($10^3/\mu\text{L}$)	PND 119 - 120	0.10 \pm 0.03 (8)	0.14 \pm 0.03 (10)
Percent of Control		100.5	135.3
Large Unstained Cells ($10^3/\mu\text{L}$)	PND 119 - 120	0.03 \pm 0.01 (8)	0.03 \pm 0.00 (10)
Percent of Control		115.0	120.0

Study Number: C94043-03

Test Type: TOX

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LEGEND

Values given as mean +/- SEM (number of animals) for the F1 Core animals, and as the mean of the litter mean +/- SEM of the litter mean (number of litters) for the F1 Interim animals. Percent of Control calculated by (dosed group mean / control group mean) x 100.

Statistical analysis of F1 Core animals performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis of F1 Interim animals performed using a bootstrapped Jonckheere test for trend, and a Datta-Satten modified Wilcoxon test with Hommel adjustment for pairwise comparisons.

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 male in the F1 Core 250 mg/L group had values removed in the analysis of neutrophil count, lymphocyte count, monocyte count, basophil count, and eosinophil count due to implausible data. One male in the F1 Interim 125 mg/L group had values removed in the analysis of erythrocyte count, automated hematocrit, mean cell HGB concentration, and mean cell hemoglobin due to implausible data.

The 500 mg/L group for the F1 Core animals contained multiple animals per litter, but all other groups contained only one animal per sex per litter. Litter-based methods were not used in the analysis of the F1 Core animals.

**** END OF REPORT ****