

**Table 1** Hematology and blood leukocyte differentials in female B<sub>6</sub>C<sub>3</sub>F<sub>1</sub>/N mice exposed to STD in the drinking water for 28 days

Parameter	Vehicle	Sodium tungstate dihydrate (mg/L)					CPS 50 mg/kg	Trend Analysis
		125	250	500	1000	2000		
<b>Hematology</b>								
Erythrocytes (10 <sup>6</sup> /mm <sup>3</sup> )	9.00 ± 0.15	9.30 ± 0.22	8.84 ± 0.19	8.70 ± 0.18	9.19 ± 0.60	8.72 ± 0.14	7.88 ± 0.35*	p ≤ 0.05
Reticulocytes (%)	4.3 ± 0.2	4.6 ± 0.2	4.6 ± 0.2	4.1 ± 0.2	4.6 ± 0.3	4.8 ± 0.2	1.6 ± 0.1**	NS
Hemoglobin (g/dl)	12.8 ± 0.2	13.7 ± 0.2	12.1 ± 0.3	11.8 ± 0.3	12.4 ± 0.5	12.6 ± 0.2	9.9 ± 0.8**	p ≤ 0.05
Hematocrit (%)	47.9 ± 0.7	50.0 ± 1.2	46.9 ± 1.2	46.7 ± 0.9	49.4 ± 3.5	46.4 ± 0.9	41.8 ± 2.0*	p ≤ 0.05
MCV (fl)	53.3 ± 0.3	53.8 ± 0.2	53.1 ± 0.3	53.7 ± 0.2	53.6 ± 0.3	53.3 ± 0.3	53.1 ± 0.2	NS
MCH (pg)	14.2 ± 0.1	<b>14.7 ± 0.2*</b>	<b>13.7 ± 0.3*</b>	<b>13.6 ± 0.2**</b>	13.9 ± 1.1	14.4 ± 0.1	12.4 ± 0.7*	NS
MCHC (g/dl)	26.7 ± 0.2	27.4 ± 0.4	25.9 ± 0.5	<b>25.3 ± 0.3*</b>	26.0 ± 2.1	27.1 ± 0.2	23.3 ± 1.3*	NS
Platelets (10 <sup>3</sup> /μl)	684 ± 73	500 ± 68	782 ± 86	909 ± 101	684 ± 75	617 ± 65	917 ± 176	NS
Leukocytes (10 <sup>3</sup> /mm <sup>3</sup> )	5.96 ± 0.60	5.00 ± 0.61	5.71 ± 0.41	5.56 ± 0.37	5.85 ± 0.41	4.68 ± 0.42	1.94 ± 0.21**	NS
<b>Absolute Leukocyte Differentials (10<sup>3</sup>/mm<sup>3</sup>)</b>								
Lymphocytes	3.62 ± 0.29	3.28 ± 0.31	4.01 ± 0.30	3.92 ± 0.24	4.10 ± 0.29	3.13 ± 0.25	1.47 ± 0.17**	NS
Neutrophils	1.67 ± 0.24	1.18 ± 0.19	1.05 ± 0.10	1.03 ± 0.10	1.16 ± 0.09	1.07 ± 0.16	0.28 ± 0.04**	NS
Eosinophils	0.17 ± 0.05	0.14 ± 0.05	0.21 ± 0.04	0.19 ± 0.04	0.18 ± 0.03	0.10 ± 0.03	0.05 ± 0.01*	NS
Basophils	0.07 ± 0.03	0.05 ± 0.02	0.10 ± 0.02	0.07 ± 0.02	0.07 ± 0.01	0.05 ± 0.02	0.02 ± 0.01	NS
Monocytes	0.44 ± 0.06	0.35 ± 0.05	0.35 ± 0.03	0.35 ± 0.03	0.34 ± 0.03	0.33 ± 0.04	0.12 ± 0.02**	NS
<b>Percent Leukocyte Differentials</b>								
% Lymphocytes	61.91 ± 2.54	67.11 ± 1.94	<b>70.28 ± 2.20*</b>	<b>70.86 ± 1.82*</b>	<b>70.28 ± 1.44*</b>	67.43 ± 2.25	75.16 ± 2.33**	p ≤ 0.05
% Neutrophils	27.31 ± 1.53	<b>22.75 ± 1.03*</b>	<b>18.35 ± 1.2**</b>	<b>18.37 ± 0.92**</b>	<b>19.88 ± 0.8**</b>	<b>22.24 ± 1.33*</b>	14.74 ± 1.51**	p ≤ 0.05
% Eosinophils	2.54 ± 0.72	2.37 ± 0.56	3.57 ± 0.66	3.33 ± 0.71	2.96 ± 0.43	2.23 ± 0.71	2.97 ± 0.60	NS
% Basophils	0.98 ± 0.38	0.84 ± 0.23	1.65 ± 0.40	1.27 ± 0.27	1.16 ± 0.19	1.04 ± 0.35	0.97 ± 0.36	NS
% Monocytes	7.25 ± 0.42	6.93 ± 0.66	6.15 ± 0.29	<b>6.17 ± 0.24*</b>	<b>5.72 ± 0.32*</b>	7.06 ± 0.65	6.18 ± 0.41	NS

MCV = mean corpuscular volume; MCH = mean corpuscular hemoglobin; MCHC = mean corpuscular hemoglobin concentration; CPS = cyclophosphamide. Values represent the mean (± SE) from 7-8 animals/group; \*p ≤ 0.05; \*\*p ≤ 0.01; NS = Not significant