

**Table 3.** Effect of farm origin (F), sampling time (S) and transport duration (T) on blood cell parameters of goat kids.

Parameter	Interactions																			
	Farm origin		Sampling		Transport duration		F x S				F x T				Significance (p)					
	GW	DW	FM	SL	ST	LT	GW FM	GW SL	DW FM	DW SL	GW ST	GW LT	DW ST	DW LT	SE <sup>1</sup>	F	S	T	F x S	F x T
<b>Erythrocytes</b> (x 10 <sup>12</sup> L <sup>-1</sup> )			16.6	16.2							12.1 <sup>a</sup>	17.4 <sup>b</sup>	18.5 <sup>b</sup>	16.8 <sup>b</sup>	0.80	0.007	0.655	0.28	0.835	0.034
<b>Leukocytes</b> (x 10 <sup>9</sup> L <sup>-1</sup> )							10.7 <sup>b</sup>	14.1 <sup>c</sup>	11.4 <sup>b</sup>	8.9 <sup>a</sup>	15.3 <sup>c</sup>	12.9 <sup>b</sup>	8.01 <sup>a</sup>	9.8 <sup>a</sup>	0.32	<0.001	0.23	0.67	<0.001	0.033
<b>Neutrophils</b> (%)	41.9	41.1	39.0	44.0	42.1	45.8								1.15	0.40	0.004	0.15	0.15	0.56	
<b>Lymphocyt.</b> (%)	52.5	51.0	55.0	48.4	49.5	47.2								1.00	0.49	0.001	0.38	0.76	0.48	
<b>N/L ratio</b>	0.91	0.90	0.81	1.00	0.92	1.10								0.06	0.92	0.022	0.18	0.83	0.63	
<b>Monocytes</b> (%)					3.13	2.55	3.19 <sup>b</sup>	1.87 <sup>a</sup>	2.84 <sup>b</sup>	3.77 <sup>b</sup>					0.16	0.022	0.57	0.22	0.001	0.72
<b>Eosinophils</b> (%)					3.73	2.84	2.38 <sup>b</sup>	1.03 <sup>a</sup>	2.19 <sup>b</sup>	5.45 <sup>c</sup>					0.19	<0.001	0.014	0.060	<0.001	0.95
<b>Haematocrit</b> (%)	33.4	36.9	34.2	35.6	35.6	35.6								0.38	<0.001	0.071	0.99	0.74	0.37	

Data of main effects and interactions are expressed as LS-means. Farm origin: GW and DW stand for good and deficient welfare farms, respectively, classified according to their welfare-friendly practices. Sampling time: FM and SL stand for on-farm and at slaughterhouse, respectively. Transport duration: ST: short road transport (2 h). LT: long road transport (6 h). <sup>1</sup> Pooled standard error. Different superscripts in the same row within each interaction considered indicate significant differences (p<0.05).