

Table 5 Effects of feeding treatments on haematology and serum chemistry of broiler chickens

Parameter	Feeding treatments						SEM
	0%	10%	20%	30%	40%	50%	
Packed cell volume (%)	33.84	33.53	30.46	34.34	32.37	31.11	0.95
Red blood cell (10 ⁶ /mm ³)	3.52	3.56	3.57	3.55	3.53	3.49	0.07
White blood cell(10 ³ /mm)	29.00	31.38	30.65	28.43	31.82	29.24	0.88
Haemoglobin conc (g/dl)	12.85 ^a	10.11 ^b	11.19 ^{ab}	11.62 ^{ab}	12.50 ^a	10.17 ^b	0.09
MCV (femtolitres)	88.54	89.71	88.16	89.90	89.01	87.51	0.34
MCH (u/mg)	38.82 ^a	33.72 ^b	30.67 ^b	35.82 ^b	34.13 ^b	33.26 ^b	1.26
MCHC (%)	35.30	31.93	32.33	34.85	32.89	31.83	0.82
Total Serum Protein (mg/dl)	84.48 ^a	82.83 ^a	79.47 ^a	83.28 ^a	84.71 ^a	77.46 ^b	1.20
Serum albumin (mg/dl)	50.22	50.87	47.64	48.13	48.15	47.74	0.98
Serum globulin (mg/dl)	34.26	31.96	31.83	35.15	36.56	29.72	0.91
Albumin: globulin ratio	1.47	1.59	1.49	1.37	1.32	1.61	0.25
Serum creatinine (mg/dl)	1.34 ^b	1.36 ^b	1.37 ^b	1.39 ^b	1.48 ^a	1.35 ^b	0.05
Blood glucose (mg/dl)	258.40	256.20	248.90	257.43	262.40	256.01	1.64
Corticosterone (mg/dl)	7.48	6.50	8.76	5.81	6.35	10.57	0.48
Blood Cholesterol (mg/dl)	149.68 ^b	149.89 ^b	150.90 ^b	150.31 ^b	150.20 ^b	157.97 ^a	1.18
Heterophil: Lymphocyte	0.41	0.45	0.41	0.39	0.43	0.41	0.02

Note: a-b Means within same row with different superscripts differ significantly (P<0.05), SEM- Standard Error of Mean