Table (4): Effect of low dietary crude protein , metabolizable energy and ideal levels of amino acids on carcass characteristics.

Traits / Trt*.	Carcass		Liver		Heart		Gizzard		Abdominal fat	
	(g)	(%)	(g)	(%)	(g)	(%)	(g)	(%)	(g)	(%)
T1	1565.00^{a} ±59.65	0.791^{a} ±0.0097	40.0 ±2.88	0.0202 ±0.0009	10.0 ±0.00	0.0051 ±0.0009	30.00^{b} ±0.00	0.0152^{c} ±0.0070	21.67^{a} ±3.33	0.0109 ±0.0015
T2	1041.67^{d} ±10.93	0.712^{b} ±0.0062	36.7 ±9.28	0.0249 ±0.0005	8.3 ±1.66	0.0057 ±0.0011	33.33^{ab} ±1.66	0.0228^{a} ±0.0009	8.33^{b} ±1.66	0.0057 ±0.0011
T3	1073.33^{d} ±40.96	0.706^{b} ±0.018	36.7 ±1.66	0.0241 ±0.008	6.7 ±1.66	0.0044 ±0.0011	30.00^{b} ±2.88	0.0197^{abc} ±0.0016	13.33^{ab} ±4.40	0.0088 ±0.0028
T4	1348.33^{bc} ±66.47	0.746^{ab} ±0.0334	40.0 ±0.00	0.0221 ±0.0001	10.0 ±2.88	0.0055 ±0.0016	30.00^{b} ±2.88	0.0166^{bc} ±0.0015	11.67^{ab} ±1.66	0.0065 ±0.0095
T5	1230.00^{cd} ±41.93	0.748^{ab} ±0.011	41.7 ±3.33	0.0253 ±0.0016	8.3 ±1.66	0.0050 ±0.0009	35.00^{ab} ±2.88	0.0214^{a} ±0.0021	15.00^{ab} ±0.00	0.0091 ±0.00018
T6	1465.00^{ab} ±100.04	0.781^{a} ±0.0181	58.3 ±7.26	0.0286 ±0.0028	10.0 ±0.00	0.0054 ±0.0002	38.33^{a} ±1.66	0.0205^{ab} ±0.0010	21.67^{a} ±4.40	0.0114 ±0.0018

$^{a-d}$ Means have different superscripts in the same column are significantly($P \leq 0.05$) different.

***T1:** Fed basal diet (BD) with recommended levels of CP and ME (considered as control group),**T2:** Fed BD with -3% CP and -100 kcal ME. **T3:** Fed BD with -3% CP and recommended ME supplemented with four AAs (Lys, Met, Thr and Trp), **T4:** Fed BD with -3% CP and recommended ME supplemented with five AAs (Lys, Met, Thr, Trp and Val), **T5:** Fed BD with -3% CP -100 kcal ME supplemented with four AAs (Lys, Met, Thr and Trp), **T6:** Fed BD with -3% CP -100 kcal ME supplemented with five AAs (Lys, Met, Thr, Trp and Val).

Table (5): Effect of low dietary crude protein , metabolizable energy and ideal levels of amino acids on plasma total protein, albumin, globulin, and A/G ratio (Liver fraction) at the end of experiment.

Treatment groups.	Liver fraction			
	TP (mg/dl)	**Ab (mg/dl)**	**Gb (mg/dl)**	**A/G ratio (mg/dl)**
T1	3.60±0.057	1.98^{a} ±0.0033	1.62^{b} ±0.54	1.23^{a} ±0.040
T2	3.67±0.033	1.81^{b} ±0.5811	1.86^{a} ±0.037	0.98^{b} ±0.050
T3	3.76±0.066	1.93^{ab} ±0.0317	1.83^{a} ±0.665	1.06^{b} ±0.0432
T4	3.70±0.577	1.90^{ab} ±0.0057	1.80^{a} ±0.069	1.05^{b} ±0.0423
T5	3.76±0.100	1.91^{ab} ±0.0437	1.85^{a} ±0.056	1.03^{b} ±0.0276
T6	3.80±0.088	1.89^{ab} ±0.0665	1.91^{a} ±0.049	0.99^{b} ±0.0317

a-b Means have different superscripts in the same column are significantly($P<0.05$) different.
See abbreviations in Table 4.