

Table S1. Effects of dietary characteristics on body weight, metabolic body weight and respiratory data of broilers.

Items	Basal	Test diets			Mean	SEM	p-value
	diet	ESBM1	ESBM2	ESBM3			
From 14 to 16 day							
Initial BW (g)	417.46	412.79	411.79	429.46	417.88	6.878	0.813
Final BW (g)	607.38	607.96	630.75	620.25	616.58	9.661	0.823
BW ^{0.70}	626.09	624.15	633.35	636.49	630.02	6.458	0.906
O ₂ (L/kg BW ^{0.70} /d)	56.90	51.75	51.43	51.04	52.78	1.043	0.150
CO ₂ (L/kg BW ^{0.70} /d)	55.96 ^a	50.34 ^b	50.62 ^b	49.97 ^b	51.72	0.857	0.029
From 28 to 30 day							
Initial BW (g)	1410.33	1435.33	1433.25	1396.42	1418.83	12.250	0.653
Final BW (g)	1740.75	1750.58	1775.17	1737.83	1751.08	11.186	0.660
BW ^{0.70}	1248.99	1246.31	1275.57	1252.49	1255.84	10.096	0.750
O ₂ (L/kg BW ^{0.70} /d)	48.09	48.24	47.82	46.86	47.75	0.746	0.926
CO ₂ (L/kg BW ^{0.70} /d)	48.02	46.76	46.73	46.84	47.09	0.582	0.855

BW^{0.70} calculated as average of initial and final body weight. Data of O₂ and CO₂

is automatically recorded at 3-min interval by chambers and calculated as daily.

^{a-b} Means within rows with different superscripts are significantly different ($p < 0.05$).