

Table 3b Serum biochemistry reference intervals of adult female *Clarias gariepinus* farmed in earth pond system in the Southern Guinea Savanna agro-ecological zone of Nigeria

Parameter	Mean	Median	S.D	Q ₁	Q ₃	Minimum	Maximum
Total protein (g/dl)	39.06	39.21	2.02	37.70	40.44	33.74	41.44
Albumin (g/dl)	8.525	8.34	0.88	7.93	9.12	7.11	10.71
Globulin (g/dl)	30.50	31.01	2.15	29.06	31.94	24.11	33.22
A:G	3.63	3.65	0.49	3.29	3.96	2.5	4.4
AST (IU/L)	90.52	98.37	21.09	76.349	104.68	37.05	101.42
ALT (IU/L)	9.52	8.57	2.65	7.74	11.30	6.13	13.00
Glucose (mg/dl)	39.34	38.89	1.23	38.51	40.17	38.00	42.01
Cholesterol (mg/dl)	137.65	138.27	5.82	131.93	141.31	129.88	147.02
LDL (mg/dl)	122.49	122.98	3.22	121.11	125.06	113.88	126.44
HDL (mg/dl)	24.99	26.49	3.53	20.49	27.97	19.27	29.01
Triglycerides (mg/dl)	55.59	55.41	4.57	50.38	60.64	49.09	61.92
ALP (IU/L)	30.82	30.62	6.62	27.62	36.86	19.43	39.01
LDH (mg/dl)	41.85	40.21	6.64	36.74	49.99	29.27	54.04
Urea (mg/dl)	2.85	2.91	0.63	2.17	3.41	1.97	3.91
Creatinine (mg/dl)	0.292	0.28	0.081	0.225	0.28	0.18	0.42
UA (mg/dl)	1.309	1.24	0.170	1.20	1.24	1.07	1.63

Note: Q₁ and Q₃ represent the 25th and the 75th percentile respectively; A:G = Albumin-Globulin ratio; AST = Aspartate transaminase; ALT = Alanine transaminase; LDL = Low density lipoproteins; HDL = High density Lipoproteins; ALP = Alkaline phosphatase; LDH = Lactate dehydrogenase; UA = Uric acid