

Table 3a Serum biochemistry reference intervals of adult male *Clarias gariepinus* farmed in earth pond systems 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)	41.26	41.55	3.43	38.96	43.57	34.43	47.07
Albumin (g/dl)	9.18	9.27	0.75	8.68	9.68	8.16	10.73
Globulin (g/dl)	32.08	32.5	3.78	29.54	34.62	24.70	38.91
A:G	3.58	3.5	0.67	3.11	4.01	2.5	5.0
AST (IU/L)	95.48	95.55	7.02	90.77	100.20	80.73	107.20
ALT (IU/L)	10.43	10.11	2.56	8.71	12.15	7.35	13.72
Glucose (mg/dl)	37.79	39.57	6.80	33.22	42.35	17.31	43.67
Cholesterol (mg/dl)	135.01	136.98	7.08	128.42	140.89	123.77	145.81
LDL (mg/dl)	119.00	118.24	4.77	114.84	123.76	111.27	126.06
HDL (mg/dl)	23.15	22.63	1.84	22.06	23.54	21.07	27.78
Triglycerides (mg/dl)	62.39	62.49	8.81	55.31	71.40	47.09	73.00
ALP (IU/L)	25.19	27.26	4.46	21.12	28.75	19.27	31.49
LDH (mg/dl)	42.152	43.48	7.35	39.00	47.50	28.66	51.25
Urea (mg/dl)	2.61	2.55	0.49	2.14	3.07	1.96	4.11
Creatinine (mg/dl)	0.310	0.30	0.09	0.235	0.40	0.17	0.44
UA (mg/dl)	1.500	1.56	0.147	1.495	1.59	1.05	1.62

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