

Table 2a Serum biochemistry reference intervals of juvenile 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)	35.98	34.44	3.61	33.55	38.05	31.22	42.11
Albumin (g/dl)	8.61	8.92	0.96	7.97	9.26	7.11	9.19
Globulin (g/dl)	27.36	26.42	3.38	25.90	29.63	22.22	32.92
A:G	3.20	3.1	0.52	2.85	3.55	2.50	4.40
AST (IU/L)	82.67	93.47	33.60	60.11	105.24	90.78	101.91
ALT(IU/L)	15.38	17.19	6.14	11.26	19.50	12.55	23.65
Glucose (mg/dl)	20.73	21.07	2.53	19.03	22.43	17.18	26.33
Cholesterol (mg/dl)	94.14	93.39	2.48	92.74	95.69	91.00	99.09
LDL (mg/dl)	70.71	69.77	2.12	69.45	72.73	67.99	74.68
HDL (mg/dl)	11.61	12.23	1.37	10.73	12.25	9.00	13.04
Triglycerides (mg/dl)	79.71	78.99	1.90	78.21	81.39	77.21	83.67
ALP (IU/L)	25.83	22.40	5.39	21.68	22.40	18.53	37.60
LDH (mg/dl)	38.56	39.52	7.667	31.19	44.06	28.05	54.03
Urea (mg/dl)	2.46	2.43	0.35	2.19	2.57	1.98	3.55
Creatinine (mg/dl)	0.281	0.265	0.065	0.225	0.335	0.19	0.39
UA (μmol/l)	1.199	1.175	0.152	1.09	1.255	1.00	1.51

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