

Table 2b Serum biochemistry reference intervals of juvenile female *Clarias gariepinus* farmed in earth pond systems in the Southern Guinea Savanna agro-ecological zone of Nigeria

Parameter	Mean	Median	S.D	Q <sub>1</sub>	Q <sub>3</sub>	Minimum	Maximum
Total protein (g/dl)	42.79	38.39	11.17	35.29	50.29	17.01	58.31
Albumin (g/dl)	8.44	8.39	0.96	7.77	9.10	6.72	10.21
Globulin (g/dl)	34.36	31.67	11.18	26.85	41.87	8.39	50.83
A:G	4.14	4.0	1.44	3.17	5.11	1.0	7.0
AST (IU/L)	99.51	97.07	9.16	93.40	105.62	90.62	121.64
ALT (IU/L)	16.88	17.39	1.90	15.61	18.16	13.04	18.77
Glucose (mg/dl)	20.65	19.99	1.77	19.46	21.83	19.00	20.19
Cholesterol (mg/dl)	93.48	92.99	2.04	92.07	94.68	91.09	98.55
LDL (mg/dl)	71.12	70.91	1.76	70.08	72.54	68.08	74.45
HDL (mg/dl)	11.33	11.57	1.40	10.21	12.65	9.17	13.09
Triglycerides (mg/dl)	81.17	79.51	3.49	79.07	83.56	77.69	88.81
ALP (IU/L)	30.14	30.49	3.40	29.91	31.46	20.58	37.6
LDH (mg/dl)	40.608	40.95	6.702	35.39	46.16	28.06	50.99
Urea (mg/dl)	3.16	3.29	0.69	2.51	3.54	1.96	4.11
Creatinine (mg/dl)	0.238	0.25	0.061	0.21	0.30	0.17	0.39
UA (mg/dl)	1.292	1.32	0.159	1.145	1.425	1.01	1.58

Note: Q<sub>1</sub> and Q<sub>3</sub> represent the 25<sup>th</sup> and the 75<sup>th</sup> 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