

Quality And Accreditation Institute

Centre for Laboratory Accreditation



Scope of Accreditation

Lab Science Diagnostics

153/1 Green Road, Dhaka, Bangladesh

QAI/CLA/ML/2023/0015

Valid from: 26 April 2023

Valid until: 25 April 2025

Accreditation Standard: ISO 15189:2012

Clinical Biochemistry			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Plasma	Glucose	Glucose oxidase
2.	Serum	Creatinine	Enzymatic
3.	Serum	Albumin	Bromocresol
4.	Serum	Uric Acid	Uricase
5.	Serum	Bilirubin Total	OPD
6.	Serum	SGPT (ALT)	IFCC without P5P
7.	Serum	SGOT (AST)	IFCC without P5P
8.	Serum	Cholesterol Total	Cholesterol oxidase
9.	Serum	Triglycerides	Enzymatic end point
10.	Serum	HDL Cholesterol	Direct enzymatic
11.	Serum	LDL Cholesterol	Direct enzymatic
12.	Serum	Alkaline Phosphatase	IFCC
13.	Serum	Calcium	Arsenazol
14.	Serum	Amylase	Kinetic
15.	Serum	Lypase	Kinetic



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Immunology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Serum	TSH	CLIA
2.	Serum	FT4	CLIA
3.	Serum	T4	CLIA
4.	Serum	AFP	CLIA
5.	Serum	Ferritin	CLIA
6.	Serum	BHCG	CLIA
7.	Serum	CEA	CLIA
8.	Serum	FSH	CLIA
9.	Serum	Prolactin	CLIA
10.	Serum	Testosterone	CLIA
11.	Serum	IgE	CLIA
12.	Serum	Trop-I	CLIA
13.	Serum	Vitamin D	CLIA
14.	Serum	Anti-HBs	CLIA
15.	Serum	CA 19.9	CLIA
16.	Serum	PSA	CLIA
17.	Serum	Cortisol	CLIA
18.	Serum	LH	CLIA



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Haematology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1.	Whole Blood	Haemoglobin	Cyanide Free Sodium Lauryl Sulphate (SLS) Haemoglobin Method
2.	Whole Blood	RBC Count	Hydrodynamic Focusing Impedance Method
3.	Whole Blood	P.C.V. (Hct)	Cumulative Pulse Height Detection Method
4.	Whole Blood	M.C.V.	Hydrodynamic Focusing Impedance Method
5.	Whole Blood	M.C.H.	Hydrodynamic Focusing Impedance Method
6.	Whole Blood	M.C.H.C	Hydrodynamic Focusing Impedance Method
7.	Whole Blood	R.D.W.C.V.	Hydrodynamic Focusing Impedance Method
8.	Whole Blood	Total WBC	Fluorescent Flow Cytometry Method
9.	Whole Blood	Neutrophil	Fluorescent Flow Cytometry Method (using semi-conductor laser)
10.	Whole Blood	Lymphocyte	Fluorescent Flow Cytometry Method (using semi-conductor laser)



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Haematology			
Sl. No.	Type of Sample Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
11.	Whole Blood	Monocyte	Fluorescent Flow Cytometry Method (using semi-conductor laser)
12.	Whole Blood	Eosinophil	Fluorescent Flow Cytometry Method (using semi-conductor laser)
13.	Whole Blood	Basophil	Fluorescent Flow Cytometry Method (using semi-conductor laser)
14.	Whole Blood	Total Platelet Count	Electrical Impedance Method or DC (Direct Current)
15.	Whole Blood	M.P.V	Electrical Impedance Method or DC (Direct Current)
16.	Whole Blood	P.D.W	Electrical Impedance Method or DC (Direct Current)

