



ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

Pathology Laboratory, United Hospital Ltd.

Plot#15, Road#71, Gulshan

Dhaka-1212, Bangladesh

This is to certify that this

Medical Laboratory

is accredited in accordance with the international standard

ISO 15189:2012

in respect of the associated scope, subject to the terms and
conditions governing the relevant conformity assessment
body (CAB) accreditation.

Certificate Number : **03.001.14**
Accreditation Date : **04 December 2014**
Date of Issuance : **15 December 2020**
Date of Expiration : **03 December 2022**



Md. Monwarul Islam
Director General



SCOPE OF ACCREDITATION

CAB Name & Address: Pathology Laboratory, United Hospital Ltd.
Plot #15, Road#71, Gulshan, Dhaka-1212, Bangladesh

Accreditation Standard: ISO 15189:2012
Certificate Number: 03.001.14
Last Amended on: NA
Amendment no: NA

Accreditation Date: 04 December 2014
Issued on: 15 December 2020
Valid until: 03 December 2022

S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
Field: Clinical Hematology				
1	Blood (Whole blood)	Complete Blood Count(CBC)	Optical impedance and Optical Flow Cytometry	WBC- 0.0 – 440X 10 ³ /μL RBC- 0.0 – 8X10 ⁶ /μL PLT- 0.0 – 2000 X10 ³ /μL Hemoglobin- 0.0 – 25.0 g/dl HCT - 0.0 – 75.0%
2	Citrated Blood (Plasma)	Prothrombin time(PT) With INR	Photo Optical density Method	7 - 120 Second
3	Citrated Blood (Plasma)	Activated Partial thromboplastin time (APTT)	Photo Optical density Method	15 - 190 Second
4	Citrated Blood (Plasma)	Fibrinogen	Photo Optical density Method	0.5 - 10.0 g/L
5	Blood (Whole blood)	Reticulocyte Count	Flow Cytometry method using semiconductor laser	0.0 - 99.99 %
6	Blood (Whole blood)	Erythrocyte Sedimentation Rate	Photometrical capillary stopped flow kinetic analysis	2- 120 mm/h
7	Blood (whole blood and serum)	Anti human globulin(Coombs Test- Direct and Indirect)	Red cell agglutination	N/A
8	Blood (whole blood and serum)	Rhesus (Rh) anti body detection	Red cell agglutination	N/A
Field: Clinical Biochemistry				
9	Blood (Plasma)	Plasma Glucose	Hexokinase (G-6-PDH) in Architect ci8200. Hexokinase (G-6-PDH) in Beckman Coulter AU680.	0.28-44.40 mmol/L 0.6-45 mmol /L


Quality Manager

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10	Blood (Serum)	Total Cholesterol	Enzymatic method in Architect ci8200. CHO-POD in Beckman Coulter AU680.	Up to 705.0 mg/dl 20-700 mg/dl
11	Blood (Serum)	HDL Cholesterol	Accelerator selective detergent in Architect ci8200. Enzymatic Immuno Inhibition in Beckman Coulter AU680.	5-180 mg/dl 2-180 mg/dl
12	Blood (Serum)	LDL Cholesterol	Liquid selective Detergent in Architect ci8200. Enzymatic Selective Protection in Beckman Coulter AU680.	1-800 mg/dl 10-400 mg/dl
13	Blood (Serum)	Triglycerides	Glycerol phosphate oxidase in Architect ci8200 GPO-PAP in Beckman Coulter AU680.	Up to 1420 mg/dl 10-1000 mg/dl
14	Blood (Serum)	S. Bilirubin(T)	Diazo reaction in Architect ci8200. DPD in Beckman Coulter AU680.	0.10-25.0 mg/dl 0-30 mg/dl
15	Blood (Serum)	ALT (SGPT)	NADH without P-5-P in Architect ci8200. IFCC (without Pyriodoxal Phosphate Activation in Beckman Coulter AU680.	Upto 942 U/L 3 – 1000 U/L
16	Blood (Serum)	Alkaline Phosphatase	Para nitro Phenyl Phosphate in Architect ci8200. IFCC PNPP-AMP Buffer in Beckman Coulter AU680.	Up to 2200 U/L 5-1500 U/L
17	Blood (Serum)	Blood Urea	Urease in Architect ci8200. Urease-GLDH, in Beckman Coulter AU680.	3 - 268 mg/dl 5-300 mg/dl
18	Blood (Serum)	Creatinine	Kinetic Alkaline picrate in Architect ci8200. Modified Jaffe, Kinetic in Beckman Coulter AU680.	0.20 - 37.0 mg/dl 0.06 - 25.0 mg/dl
19	Blood (Serum)	Uric Acid	Uricase method in Architect ci8200.	Up to 33.1 mg/dl

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			Uricase PAP in Beckman Coulter AU680.	1.5-30.0 mg/dl
20	Blood (Plasma)	Sodium (Na)	Ion selective electrode Indirect in Architect ci8200. Ion selective electrode method in Beckman Coulter AU680.	100 - 200 mmol/L Up to 200 mmol/L
21	Blood (Plasma)	Potassium (K)	Ion selective electrode Indirect in Architect ci8200. Ion selective electrode method in Beckman Coulter AU680.	1.0 - 10.0 mmol/L Up to 10 mmol/L
22	Blood (Plasma)	Chloride (Cl)	Ion selective electrode Indirect in Architect ci8200. Ion selective electrode method in Beckman Coulter AU680.	50 - 150.0 mmol/L 50 - 200 mmol/L
23	Blood (Serum)	hs Troponin I	Chemiluminiscent Microparticle Immunoassay (CMIA) in Architect ci8200	1.1 -50,000 pg/ml
24	Blood (Serum)	TSH	Chemiluminiscent Microparticle Immunoassay (CMIA) in Architect ci8200.	0.01 - 120.0 μIU/ml
25	Blood (Serum)	Free T4	Chemiluminiscent Microparticle Immunoassay (CMIA) in Architect ci8200.	0.4 - 6.0 ng/dl
26	Blood (Serum)	Total Protein	Biuret	7.6 - 184 g/L
27	Blood (Serum)	Albumin	Bromocresol Green	3.1 - 105 g/L
28	Blood (Serum)	Calcium	Arsenazo	0.5 - 6.0 mmol/L
29	Blood (Serum)	AST	NADH(Without P-5-P)	2.2- 4200 U/L
30	Whole Blood	HbA1c	High Performance Liquid Chromatography	3.8 - 18.5 %

END

 Quality Manager