



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

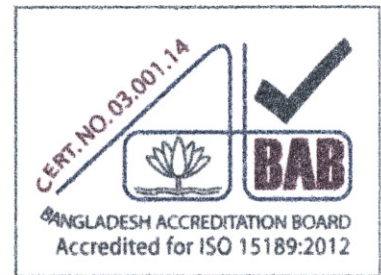
Medical Laboratory


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 : **16 May 2023**
Date of Expiration : **03 December 2025**




Md. Monwarul Islam
Director General

This certificate must be returned on request; reproduction must follow BAB guidelines. For the specific scopes to which this accreditation applies, please refer to the Directory of CABs at BAB website.

SCOPE OF ACCREDITATION

CAB Name & Address:	Pathology Laboratory, United Hospital Ltd. Plot #15, Road#71, Gulshan, Dhaka-1212, Bangladesh		
Accreditation Standard:	ISO 15189:2012	Accreditation Date:	04 December 2014
Certificate Number:	03.001.14	Issued on:	16 May 2023
Last Amended on:	-	Valid until:	03 December 2025
Amendment no:	-		

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 (Sysmex XN-1000)	WBC: 0.0-440X 10 ⁹ / μL RBC: 0.0-8X10 ⁶ / μL PLT: 0.0-2000 X10 ⁹ / 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 (Sysmex CA-550/ CS-1600)	7 - 120 Second
3	Citrated Blood (Plasma)	Activated Partial thromboplastin time (APTT)	Photo Optical density Method (Sysmex CA-550/ CS-1600)	15 - 190 Second
4	Citrated Blood (Plasma)	Fibrinogen	Photo Optical density Method (Sysmex CA-550/ CS-1600)	0.5 - 10.0 g/L
5	Blood (Whole blood)	Reticulocyte Count	Flow Cytometry method using semiconductor laser (Sysmex XN-1000)	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 Alinity Ci. Hexokinase (G-6-PDH) in Beckman Coulter AU680.	0.28 -44.40 mmol/L 0.6-45 mmol /L
10	Blood (Serum)	Total Cholesterol	Enzymatic method in Alinity Ci CHO-POD in Beckman Coulter AU680.	7.0 - 705.0 mg/dl 20 - 700 mg/dl
11	Blood (Serum)	HDL Cholesterol	Accelerator selective detergent in Alinity Ci. Enzymatic Immuno Inhibition in Beckman Coulter AU680.	5 - 180 mg/dl 2 - 180 mg/dl




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12	Blood (Serum)	LDL Cholesterol	Liquid selective Detergent in Alinity Ci. Enzymatic Selective Protection in Beckman Coulter AU680.	1 - 800 mg/dl 10-400 mg/dl
13	Blood (Serum)	Triglycerides	Glycerol phosphate oxidase in Alinity Ci GPO-PAP in Beckman Coulter AU680.	7.0 - 1420 mg/dl 10-1000 mg/dl
14	Blood (Serum)	S. Bilirubin(T)	Diazo reaction in Alinity Ci. DPD in Beckman Coulter AU680.	0.30 - 25.0 mg/dl 0 - 30 mg/dl
15	Blood (Serum)	ALT (SGPT)	NADH without P-5-P in Alinity Ci. IFCC (without Pyriodoxal Phosphate Activation) in Beckman Coulter AU680.	5 -3899 U/L 3 – 1000 U/L
16	Blood (Serum)	Alkaline Phosphatase	Para nitro Phenyl Phosphate in Alinity Ci IFCC PNPP-AMP Buffer in Beckman Coulter AU680.	9.0 - 4555 U/L 5 -1500 U/L
17	Blood (Serum)	Blood Urea	Urease in Alinity Ci . Urease-GLDH, in Beckman Coulter AU680.	6.43 - 268 mg/dl 5 -300 mg/dl
18	Blood (Serum)	Creatinine	Kinetic Alkaline picrate in Alinity Ci. 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 Alinity Ci. Uricase PAP in Beckman Coulter AU680.	1.02 - 33.1 mg/dl 1.5 - 30.0 mg/dl
20	Blood (Plasma)	Sodium (Na)	Ion selective electrode Indirect in Alinity Ci. Ion selective electrode method in Beckman Coulter AU680.	100 - 200 mmol/L 50 - 200 mmol/L
21	Blood (Plasma)	Potassium (K)	Ion selective electrode Indirect in Alinity Ci. Ion selective electrode method in Beckman Coulter AU680.	1.0 - 10.0 mmol/L 1.0 - 10 mmol/L
22	Blood (Plasma)	Chloride (Cl)	Ion selective electrode Indirect in Alinity Ci. 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 in Alinity Ci	10.0 -50,000 pg/ml



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S.N.	Products/ Materials/ Items of test	Type of tests performed	Specifications/ Standard test methods/Techniques used	Range of testing/Limit of detection
24	Blood (Serum)	TSH	Chemiluminiscent Microparticle Immunoassay in Alinity Ci.	0.0083 - 100.0 μ IU/ml
25	Blood (Serum)	Free T4	Chemiluminiscent Microparticle Immunoassay in Alinity Ci	0.42 – 5.0 ng/dl
26	Blood (Serum)	Total Protein	Biuret	8.0 - 184 g/L
27	Blood (Serum)	Albumin	Bromocresol Green	4.0 - 105 g/L
28	Blood (Serum)	Calcium	Arsenazo	0.5 - 6.0 mmol/L
29	Blood (Serum)	AST	NADH(Without P-5-P)	3.0 - 4202 U/L
30	Whole Blood	HbA1c	High Performance Liquid Chromatography	3.8 - 18.5 %

END



 Quality Manager