BANGLADESH ACCREDITATION BOARD

ACCREDITATION CERTIFICATE

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

Pathological Laboratory, Labaid Limited

House#3/1, Road#04,

Dhanmondi, Dhaka, 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	:	**03.002.17**
Accreditation Date	:	**11 July 2017**
Date of Issuance	:	**16 October 2024 (3rd Renewal)**
Date of Expiration	:	**10 July 2027**

CERT. NO. 03.002.17
BANGLADESH ACCREDITATION BOARD
Accredited for ISO 15189:2012

16.10.2024

Md. Anwarul Alam
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.

BANGLADESH ACCREDITATION BOARD (BAB)

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SCOPE OF ACCREDITATION

(For Testing Laboratory)

CAB Name & Address: **Pathological Laboratory**, Labaid Limited
House# 3/1, Road# 04, Dhanmondi, Dhaka, Bangladesh

Accreditation Standard: ISO 15189:2012 **Accreditation Date:** 11 July 2017
Certificate Number: 03.002.17 **Issued on:** 16 October 2024
Last Amended on: NA **Valid until:** 10 July 2027
Amendment no: NA

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 Biochemistry				
01	Blood (Serum)	Serum Albumin	Bromocresol purple (BCP) method	6 - 80 g/L
02	Blood (Serum)	Serum Cholesterol	Cholesterol oxidase, esterase, peroxidase method	50 - 600 mg/dL
03	Blood (Serum)	Serum Triglyceride	Enzymatic (LPL) method	15 - 1000 mg/dL
04	Blood (Serum)	Serum HDL	Direct Measure - PEG Method	3 - 150 mg/dL
05	Blood (Serum)	Serum Creatinine	Modified kinetic Jaffe technique	13 - 1768 µmol/L
06	Blood (Plasma)	Plasma Glucose	Hexokinase method	0 - 27.8 mmol/L
07	Blood (Serum)	Total Protein, Globulin and A/G ratio	Modified Biuret reaction	20 - 120 g/L
08	Blood (Serum)	BUN / Urea	Urease/glutamate dehydrogenase coupled enzymatic method	0 - 53.5 mmol/L
09	Serum	Serum Calcium	Modified Calcium O-Cresolphthalein Complexone reaction (OCPC)	1.25 – 3.75 mmol/L
10	Serum	Serum Magnesium	Modified Methylthymol blue	0 – 8.22 mmol/L
11	Serum	Serum Phosphate	Modified Phosphomolybdate method	0.16 – 2.91 mmol/L
12	Serum	Serum Uric Acid	Modified Uricase method	0 – 1190 µmol/L
13	Serum	Serum Iron	Chemical method	5 – 1000 µg/dL
14	Serum	Serum TIBC	Chemical method	36 – 1000 µg/dL
15	Serum	Serum Amylase	Chemical method	0 – 650 U/L
16	Serum	ALP	Chemical method	10 - 1000 U/L
17	Serum	ALT	Chemical method	6-1000 U/L
18	Serum	AST	Chemical method	0 - 1000 U/L
19	Serum	TBIL	Modified diazo method	2 - 428 µmol/L
20	Serum	DBIL	Modified diazo method	0.86 – 274 µmol/L
21	Serum	CK	IFCC	7 - 1000 U/L
22	Plasma	Na^+	Integrated Multisensor Technology (IMT)	50 – 200 mmol/L
23	Plasma	K^+	Integrated Multisensor Technology (IMT)	1 – 10 mmol/L
24	Plasma	Cl^-	Integrated Multisensor Technology (IMT)	50 – 200 mmol/L
25	Serum	Lipase	Chemical method: Hydrolysis	10 - 1500 U/L

Quality Manager

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26	Serum	Gamma Glutamyl Transferase (GGT)	Chemical recommended by IFCC	0-800 U/L
27	Serum	Lactate dehydrogenase (LDH)	IFCC	6-1000 U/L
28	Serum	Lithium	Colorimetry	0.20 - 5.00 mmol/L
29	Serum	C-Reactive Protein (CRP)	Particle Enhanced Turbidimetric Immunoassay	0.5-250 mg/L
30	Serum	Creatinine Kinase MB (CKMB)	Modified International Federation of Clinical Chemistry (IFCC) Creatine Kinase (CK) primary reference 37°C procedure	3 - 125 U/L
31	Serum	Lactate	Modified Marbach and Weil method (Lactate Dehydrogenase method)	1.8 – 140 mg/L
32	Plasma	Ammonia	Enzymatic Method, with glutamate dehydrogenase	10 - 700 µmol/L
33	Serum	Valporic Acid	Homogeneous enzyme immunoassay	2.4-150 µg/ml
34	Serum	Antistreptolysin O (ASO)	Immunoturbidimetric assay (ITA)	20 - 600 IU/mL
35	Serum	Cardiac Troponin I (CTNI)	Chemiluminescent Immunoassay based on LOCI technology.	0.017 - 40 ng/mL
36	Serum	Carbamazepine	Kinetic Interaction of Microparticles in a Solution (KIMS)	2 - 20.0 µg/ml
37	Whole blood	HbA1C	Capillary	3.7-17.4 %
Field: Immunology				
38	Serum	TSH	Direct Chemiluminometric Technology	0.010 – 150 µIU/mL
39	Serum	T3	Direct Chemiluminescent Technology	0.1 – 8.0 ng/dL
40	Serum	T4	Direct Chemiluminescent Technology	0.6 – 30 µg/dL
41	Serum	FT3	Direct Chemiluminescent Technology	0.2 – 20 pg/mL
42	Serum	FT4	Direct Chemiluminescent Technology	0.14 – 12.0 ng/dL
43	Serum	Cortisol	Direct Chemiluminescent	0.20 – 75 µg/dL

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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
			Technology	
44	Serum	FSH	Direct Chemiluminometric Technology	0.3 - 200 IU/L
45	Serum	LH	Direct Chemiluminometric Technology	0.07 - 200 IU/L
46	Serum	PRL	Direct Chemiluminometric Technology	0.3 - 200 ng/mL
47	Serum	TES	Direct Chemiluminometric Technology	0.35 – 52.1 nmol/L
48	Serum	E2	Direct Chemiluminometric Technology	11.8 – 3000 pg/mL
49	Serum / Plasma	PTH	Direct Chemiluminometric Technology	4.6 - 2000 pg/mL
50	Serum	HCG	Direct Chemiluminometric Technology	2.0 – 1000 mIU/mL
51	Serum	PRG	Direct Chemiluminometric Technology	0.21 – 60 ng/mL
52	Serum	CA125	Direct Chemiluminescence	2 – 600 U/mL
53	Serum	CA15.3	Direct Chemiluminescence	0.50–200 U/ml
54	Serum	CA19.9	Direct Chemiluminometric Technology	1.2 – 700 U/mL
55	Serum	CEA	Direct Chemiluminescence	0.5 – 100 U/mL
56	Serum	AFP	Chemiluminescence Immunoassay (CLIA)	1.3 - 1000 ng/ml
57	Serum	Ferritin	Direct Chemiluminescence Immunoassay.	0.5-1650 ng/ml
58	Serum	IgE	Direct Chemiluminescence Immunoassay	1.5-3000 IU/ml
59	Serum	Vitamin D	Direct Chemiluminescence Immunoassay	4.2-150 ng/ml
60	Serum	Growth Hormone	Chemiluminescence Immunoassay (CLIA).	Up to 80 ng/mL.
61	Serum	AMH	Chemiluminescence Immunoassay	0.1–25.0 ng/mL
62	Serum	Vitamin B12	Electrochemiluminescence Immunoassay (ECLIA)	50.0 - 2000 pg/ml
63	Serum	Folate	Electrochemiluminescence Immunoassay (ECLIA).	0.6 - 20.0 ng/ml

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64	Whole Blood (Plasma)	ACTH	Chemiluminescent Immunometric Assay	5 – 1250 pg/mL.
Field: Serology				
65	Serum	HBc Total	Direct Chemiluminescence Immunoassay	0.07 – 8.0 Index
66	Serum	Anti HBs	Direct Chemiluminescence Immunoassay	1 – 1000 Index
67	Serum	HBs Ag	Direct Chemiluminescence Immunoassay	0.1 – 1000 Index
68	Serum	Anti HCV	Direct Chemiluminescence immunoassay	0.0 – 11.0 Index
69	Serum	Anti- HIV 1/2	Direct Chemiluminescence Immunoassay	0.05 – 50.0 Index
70	Plasma	NT pro BNP	Chemiluminescence Immunoassay	20 – 35,000 pg/mL
71	Serum	RA	Immunoturbidimetric Assay	10-130 IU/ml
72	Serum	TPHA	Direct Chemiluminescence	0.01-100 ng/ml
Field: Haematology & Coagulation				
73	Whole blood	CBC with ESR	Westergren/ Capillary Method	N/A
74	Whole blood	RET	Florescence Flow Cytometry	N/A
75	B. Fluid	Body Fluid	Microscopic Method	N/A
76	Plasma (Sodium Citrate)	Prothrombin Time (PT)	Viscosity Based (Mechanical) Detection System (VBDS).	10 – 180 Seconds
77	Plasma (Sodium Citrate)	APTT	Viscosity Based (Mechanical) Detection System (VBDS)	20 – 140 Seconds
78	Plasma (Sodium Citrate)	D-dimer	Immunoturbidimetric assay	0.27 – 20 µg/ml (FEU)
79	Plasma (Sodium Citrate)	Fibrinogen	Viscosity Based (Mechanical) Detection System (VBDS)	40 – 1200 mg/dl
Field: Clinical Pathology				
80	Urine	Urine for R/M/E	Microscopic Method	N/A

END

Quality Manager