

As an accredited laboratory, this laboratory is entitled to use the following accreditation symbol.

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Valid from 24 October 2023  
to 23 October 2026  
Issued on 07 November 2023



ISO 15189  
ML 046-01

## Schedule of Accreditation

Accreditation Scheme for Medical/Clinical Laboratories  
Sri Lanka Accreditation Board for Conformity Assessment

Accreditation Number: ML 046-01

**Nawaloka Laboratories Private Limited.**  
**No.23, Deshamanya H K Dharmadasa Mawatha**  
**Colombo 02**

**Scope of Accreditation:** Performing Medical Tests under the field of Clinical Biochemistry/Chemical Pathology, Clinical Pathology, Microbiology/Serology and Haematology.

The laboratory is accredited for the following tests.

Sl	Field of Testing	Test	Test Method	Test Instrument	Reference range / Detection Limit/Analytical range
01	Clinical Biochemistry/ Chemical pathology	Automated HDL Cholesterol serum	Direct Measure, PTA mgcl <sub>2</sub>	VITROUS 5600-1 VITROUS 5600-2	5.0-110 mg/dl
		Albumin serum	Bromocresol green (BCG)		1- 6.0 g/dL
		Automated LDL Cholesterol serum	Direct enzymatic		30-350 mg/dL
		Alkaline phosphatase serum	PNPP, AMP, Buffer (IFCC)		20-1500 U/L
		ALT/SGPT serum	UV with P5P(IFCC)		4-750 U/L
		Amylase serum	Amylopectin-colorimetric		30-1200 U/L
		AST/SGOT serum	Enzymatic - Colorimetric		3-750 U/L

Sl	Field of Testing	Test	Test Method	Test Instrument	Reference range / Detection Limit/Analytical range
01	Clinical Biochemistry/Chemical pathology	Calcium serum	Arsenazo III	VITROUS 5600-1 VITROUS 5600-2	1.0-14.0 mg/dL
		Cholesterol Serum	Cholestertoloxidase, esterace peroxidase		50-325 mg/dL
		Creatine kinase serum	Rosalki, other modified		20-1600 U//L
		Creatinine serum	Enzymatic, IFCC IDMS standerdize		0.15 – 14.0 mg/dL
		Glucose serum	Oxidase, Hydrogen peroxidase		20-625 mg/dL
		Creatinine Urine	Enzymatic, IFCC IDMS standerdize		3.2- 346.5 mg/dL
		Direct bilirubin (BuBc) serum	Calculated		0.0 -27.0 mg/dL
		Indirect bilirubin (BuBc) serum	Direct measure		0.0 -27.0 mg/dl
		Phosphorus serum	Phosphomolybdatere duction		0.5-13.0 mg/dL
		y-Glutaryl Transferase (GGT) serum	G-glutamyl-P-nitroanilide		10-1400 U/L
		Magnesium serum	Formazan dye		0.20-10.0 mg/dL
		Electrolytes Na <sup>+</sup> K <sup>+</sup> Cl <sup>-</sup> serum	ISE direct		Na <sup>+</sup> - 75 -250 mmol/L
					K <sup>+</sup> - 1.0 -14 mmol/L
					Cl <sup>-</sup> - 50 -175 mmol/L
		Iron serum	Pyridylazo dye		10 - 600 µg/dL
		Micro albumin Urine	Immunoturbedimetric		6.0 -190.0 mg/L
		Total Bilirubin serum	Diphyline-diazonium salt		0.10 -27 mg/dL
		Triglycerides serum	Enzymatic, end point		10 - 525.0 mg/dL
		Rheumatoid Factor serum	Immunoturbidimetric assay		8.6 -120 IU/mL
		Total protein serum	Biuret reaction, end point		2.0 -11g/dL

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01	Clinical Biochemistry/ Chemical pathology	C- Reactive protein serum	Enhanced Immunoturbidimetric assay	VITROUS 5600-1 VITROUS 5600-2	5.0 - 90 mg/L
		Urinary/ Protein Urine	Pyrocatechol violet		5 - 200 mg/dL
		Uric acid serum	Uricase -Colorimetric		0.5 -17.0 mg/dL
		Urea serum	Urease -Colorimetric		4.0 - 257 mg dL
		Calcium Urine	Arsenazo iii		1.0 - 17.8 mg/dL
		BNP Plasma	Chemiluminescent Immunoassay	Maglumi 2000	2 -5000 pg/mL
		Total IgE serum	Chemiluminescent Immunoassay		1.0-3200 IU/mL
		HbA1C Whole blood	HPLC	Variant II- Turbo D10.	3.8 -18.5%
		Chloride Urine	ISE direct	VITROUS 5600-1 VITROUS 5600 -2	15 - 300 mmol/L
		Sodium Urine			Na+50- 250 mmol/L
		Magnesium Urine	Formazan dye	1.2 - 60 mg/dL	
		Uric Acid Urine	Uricase Colorimetric	5.5 - 187.0 mg/dL	
		Potassium Urine	ISE direct	2.5 - 175 mmol/L	
		Cortisol serum	Enhance Chemiluminescent Immunoassay	4.39 - 1700 nmol/L	
		Vitamin B12 serum		159.0 - 1000 pg/ml	
		Estradiol serum		6.360 -3813.6 pg/mL	
		Free T3 serum		0.5- 22.8 pg/mL	
		Free T4 serum		0.07 - 6.99 ng/dL	
		FSH serum		0.66- 200 mIU/ml	

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01	<b>Clinical Biochemistry/ Chemical pathology</b>	LH serum	Enhance Chemiluminescent Immunoassay	VITROUS 5600-1 VITROUS 5600-2	0.216 - 200 mIU/mL	
		Progesterone serum			0.08 - 56 ng/mL	
		Prolactin serum			30.8 – 7000 mIU/L	
		Serum HCG serum			2.39-15000 mIU/mL	
		Testosterone serum			0.170-75.0 nmol/L	
		Hs Troponin I Serum / Plasma			0.0015 - 30.0 ng/mL	
		TSH serum			0.015 - 100 µIU/mL	
		AFP serum			0.495 - 520 ng/mL	
		CA 19-9 serum			1.4 -1000 U/mL	
		PSA serum			0.010 -100 ng/mL	
		CEA serum			0.31- 400 ng/mL	
		CA125 serum			5.5 - 1000 U/mL	
		Ferritin serum			1.25 - 1000 ng/mL	
02	<b>Clinical pathology</b>	<b>Urine Full Report</b>				
		<b>Physical examination</b>				
		Colour	Visual	-	N/A	
		Appearance				
		<b>Chemical examination</b>				
		Specific gravity	Reflectance Photometer	MISSION U120 MISSION U500	1.000 - 1.030	
		pH			5.0 - 9.0	
		Protein (Albumin)			Negative - +3	
		Glucose			Negative - +3	
		Ketone bodies			Negative - +3	
Bilirubin	Negative - +3					

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02	Clinical pathology	Blood	Reflectance Photometer	MISSION U120 MISSION U500	Negative - +3				
		Urobilinogen			Normal - +3				
		Nitrite			Negative/Positive				
		Leukocyte test			Negative- +3				
		<b>Microscopic examination</b>							
		WBC	Microscopic	Microscope	NIL- More than 100				
		RBC			NIL- More than 100				
		Bacteria			NIL/Present				
		Casts			NIL-More than 10				
		Crystals			NIL- More than 50				
		Epithelial cells			NIL- More than 50				
		Others – Yeast , spermatozoa,.....			Nil/Present				
		<b>Chemical examination</b>							
		Specific gravity	Visual	-	1.000-1.030				
		pH			5.0-9.0				
		Protein (Albumin)			Negative- +4				
		Glucose			Negative- +4				
		Ketone bodies			Negative- +4				
		Bilirubin			Negative- +3				
		Blood			Negative- +3				
		Urobilinogen			Normal- +4				
		Nitrite			Negative/Positive				
		Leukocyte test			Negative- +3				
		<b>Stool Full Report</b>							
		<b>Physical Examination</b>							
		Colour	Visual	-	N/A				
		Consistency							
		Blood							
		Mucus							
		<b>Microscopic examination</b>							
		Red blood cells	Microscopic	Microscope	Nil- More than 100				
		Pus cells			Nil- More than 100				
		Epithelial cells			Nil- More than 50				

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02	Clinical pathology	Macrophages	Microscopic	Microscope	Nil/Scanty/Few/ Moderate number/ Many/Very many	
		Egg of Helminthes				
		Amoeba				
		Giardia Lamblia				
		Charcot- Leyden Crystals				
		Occult Blood Faeces	Lateral flow chromatographic immunoassay	-	Negative/Positive	
		hCG, Rapid Test Urine		-	Nil/Present	
		Reducing Substance Faeces	Manual method	-	Nil - +4	
03	Haematology	Blood Grouping Whole blood/serum	Tube agglutination	Manual, Centrifuge	A, B, O Rh Positive/Negative	
		ESR Whole blood	Westergren method	Manual	NA	
		<b>Full Blood Count – whole blood</b>				
		Haemoglobin	Colorimetric method HB-SLS haemoglobin	Erba Elite 580	< 25.0 g/dL	
				Sysmex XN 1000	< 26.0 g/dL	
		RBC	Impedance method Hydro dynamic focusing	Erba Elite 580	< 8.5 (x10 <sup>6</sup> /uL)	
				Sysmex XN 1000	< 8.6 (x10 <sup>6</sup> /uL)	
		WBC	Flow cytometry	Erba Elite 580	< 100(x10 <sup>3</sup> cells/uL)	
				Sysmex XN 1000	< 440 (x10 <sup>3</sup> cells/uL)	
		WBC Differential Count	Flow cytometry Flow cytometry method using semi – conductor laser	Erba Elite 580	0-100%	
				Sysmex XN 1000	0-100%	
		Platelet	Hydro dynamic focusing Sheath flow DC detection	Erba Elite 580	< 3000 (X10 <sup>3</sup> cells/uL)10 <sup>3</sup> cells/uL)	
				Sysmex XN 1000	< 5000 (X10 <sup>3</sup> cells/uL)10 <sup>3</sup> cells/uL)	
		HCT (PCV)	Calculated via the RBC pulse height detection method	Erba Elite 580	< 67%	
				Sysmex XN 1000	<75%	
		MCV	Calculated from the RBC and HCT	Erba Elite 580	NA	
				Sysmex XN 1000		
MCH	Calculated from the RBC and HGB	Erba Elite 580	NA			
		Sysmex XN 1000				

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03	Haematology	MCHC	Calculated from the HCT and HGB	Erba Elite 580 Sysmex XN 1000	NA	
		<b>Coagulation</b>				
		APTT Plasma	Photo-optical clot detection method	CA 660	< 190 S	
		Prothrombin Time Plasma			<100 S	
Retic's Count Whole blood	Supravital Staining	Microscope	Percentage of total RBC showing reticulum			
04	Microbiology	ABST (Antimicrobial Susceptibility Test )	Disk Diffusion CLSI Method	Manual		
			Automated MIC CLSI	Phoenix 50		
		AFB Urine/sputum	Ziehl- Neelsen Staining	Microscope	Negative/Positive (Scanty,1+,2+,3+)	
			Blood culture and identification Whole blood	Detection by Fluorometry	Bactec FX	No growth/Growth Up to 05 days
				Manual Culture	-	
		Automated identification	Phoenix 50			
		Faeces culture and identification Faeces	Manual Culture	-	Isolated/ Not isolated	
		Fluids Culture (Sterile) And Identification Any fluid	Detection by Fluorometry	Bactec FX	No growth/Growth Up to 05 days	
			Manual Culture	-		
			Automated identification	Phoenix 50		
		Non sterile Fluids Culture And Identification Any fluid	Manual Culture		No growth/Growth	
		Gram stain Fluid/urine/sputum	Gram staining	Microscope	Gram (Negative/ Positive) Cocci /Bacilli Occasional, +,++,+++	
Urine Culture and Identification Urine	Manual Culture	-	No growth/Growth			
Sputum Culture and Identification Sputum						

Sl	Field of Testing	Test	Test Method	Test Instrument	Reference range / Detection Limit/Analytical range
04	Microbiology	Swabs Culture and identification Nasal Eye High vaginal Pus Throat Palm Swab	Manual Culture	-	Isolated/Not Isolated And No growth/Growth
		Swab MRSA Screening Swab	Manual culture	-	Isolated/Not Isolated And No growth/Growth
		CSF Culture and Identification  CSF Fluid	Detection by Fluorometry	Bactec FX	Growth/No Growth Up to 05 days
			Manual Culture		
			Automated identification	Phoenix 50	
05	Serology	TPPA serum	Passive particle agglutination method	Fastec - UMicroplate	Negative /Positive (1:20480-1:180)
		IM (Monospot) serum	Agglutination method	Manual	Negative/positive
		SAT serum			Negative/Positive (O-1:320-1:80, AH-1:320-1:160, H-1:320:1:160)
		VDRL serum			Negative/Positive (R <sub>0</sub> -1/128)
		Rota Virus stool			Rapid (ICT)
		Mycoplasma serum	Particle agglutination	Fastec-U microplate	Negative/Positive (1:20480 --1:40)



## Approved List of Sample Collection Centers

No	Sample Collection Facility	Address	Matrix of the sample
1.	Nawaloka laboratories (Pvt) Ltd	No.23, Deshamanya H K Dharmadasa Mawatha,Colombo 02	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
2.	Arogya medi house-kotikawatta	No,354,awissawella road	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
3.	Mulleriya north medi clinic	No.436/1,awissawella road,mulleriya north	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
4.	Mulleriya nursing home	No.246/2,udahamulla mulleriyawa,new town	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
5.	G.h.c. medical center	No.34/1/b,kolonnawa road,gothatuwa,new town	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
6.	Sri suwasetha medical center	No.470,kolonnawa road,kolonnawa	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
7.	Wellampitiya medical center	No,105,awisswell road,wellampitiya	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
8.	Blue cross medical center	No.682,cotta road,rajagiriya	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
9.	Westurn infirmery hospital	No. Kotaroad rajagiriya	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
10.	A.p.s.medical center	No.68brass founder street,colombo - 13	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
11.	Central clinic	No.64,himmihapuhami mawatta,colombo-13	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
12.	Karuniya medical center	No.96c,wasala road,	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
13.	Medi teach laboratory	No. Mattakkuliya road	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
14.	Nadanamurugan hall	No.140,vivekananda hill,colombo -13	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
15.	Health line medical center	NO.44/2A 19th, LANE,NAWAGAMPURA CO-14	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
16.	Morden dispensary	No.2,abdul hameed street,colombo-12	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
17.	Panadura nawaloka	Panadura nawaloka	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
18.	Colobo medi lab	No.3,milagiriya avenue,bamabalapitiya	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
19.	Olive medical center	No: 32/38 sri sumanatissa mawatta co-12	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube/
20.	My health clinic	No: 537, k cril c perera mawatha	Plain/EDTA/Urine/Stool/ Sugar Tube/ ESR Tube
21.	Mathara lab	16 ground road uyanwaththa matara	Plain/EDTA/Urine
22.	Galle lab	No 30, Wakwalla road Galle	Plain/EDTA/Urine
23.	Ragama lab	39/A Kadawatha road Ragama	Plain/EDTA/Urine/Stool
24.	Wennappuwa lab	199 Colombo road Wennappuwa	Plain/EDTA/Urine/Stool

25.	Nawaloka laboratories (Pvt) Ltd -seeduwa	No 532, mukalanguwa, seeduwa	Plain/EDTA/Urine/Stool
26.	Nawaloka laboratories (Pvt) Ltd -kandy	No 157, s. W.r. d. Bandaranayaka mawatha, station road, kandy	Plain/EDTA/Urine/Stool
27.	Nawaloka laboratories (Pvt) Ltd -kurunegala	178/a, colombo road, kurunegala	Plain/EDTA/Urine/Stool
28.	Nawaloka laboratories (Pvt) Ltd -kaluthra	232/1/A main street, Kalutara South	Plain/EDTA/Urine/Stool
29.	Nawaloka laboratories (Pvt) Ltd batticaloa	No 75, munai street batticaloa	Plain/EDTA/Urine/ Stool
30.	Nawaloka laboratories (Pvt) Ltd -anuradhapura	No 11, Suwa shanthi Hospitals, Maithreepala Senanayake Rd, Anuradhapura	Plain/EDTA/Urine/Stool
31.	Nawaloka laboratories (Pvt) Ltd - homagama	No 195/B Hospital junction, Galavila road Homagama	Plain/EDTA/Urine/Stool

Director/CEO

Sri Lanka Accreditation Board for Conformity Assessment  
Colombo, Sri Lanka