

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



Valid from 24 October 2023
to 23 October 2026
Issued on 01 November 2023



ISO 15189
ML -043-1

Schedule of Accreditation

Accreditation Scheme for Medical/Clinical Laboratories
Sri Lanka Accreditation Board for Conformity Assessment
Accreditation Number: ML 043-01

Kings Hospital Colombo (Pvt) Ltd – Laboratory

No. 18/A, Evergreen Park Road,
Narahenpita

Scope of Accreditation: Performing Medical Clinical Test on Clinical Biochemistry/
Chemical Pathology, Clinical Pathology and Haematology

The laboratory is accredited for the following tests.

Sl	Field of Testing	Test	Test Method	Test Instrument	Detection Limit
01	Clinical Biochemistry/ Chemical Pathology	Glucose Plasma	Hexokinase -UV	Dimension EXL 200	0 - 500 mg/dL
		Total Cholesterol Serum	Cholesterol Oxidase, esterase peroxidase		50 - 600 mg/dL
		Triglycerides Serum	Enzymatic – end point method		15 - 1000 mg/ dL
		Creatinine Serum	Kinetic Jaffe Alkaline picrate method, IFCC		0.15 - 20.0 mg/ dL
		Urea Serum	Urease, UV		0 - 150 mg/ dL
		Phosphorous Serum	Enzymatic Colorimetric, Phosphomolybdate method		0.5 - 9.0 mg/dL
		Uric Acid Serum	Uricase, UV		0 - 20.0 mg/ dL
		ALT Serum	UV with P5P-IFCC method		6 - 1000 U/L

SI	Field of Testing	Test	Test Method	Test Instrument	Detection Limit
01	Clinical Biochemistry/ Chemical Pathology	AST Serum	UV with P5P	Dimension EXL 200	0 - 1000 U/L
		Alkaline Phosphatase Serum	PNPP, AMP Buffer – IFCC method		10 - 1000 U/L
		Total Bilirubin Serum	Diazonium Ion		0.1 - 25.0 mg/dL
		Total Protein Serum	Biuret method		2.0 - 12.0 g/dL
		GGT Serum	G-glutamyl-carboxy-nitroanilide		0 - 800 U/L
		Calcium Serum	O - Cresolphthalein Complexone		5 - 15 mg/ dL
		Chloride Serum	Indirect ISE		50 - 200 mmol/L
		Potassium Serum			01 - 10 mmol/L
		Sodium Serum			50 - 200 mmol/L
		Albumin Serum	Bromocresol purpule		0.6 - 8.0 g/dL
		HDL Serum	Direct measure PGE		03 - 150 mg/dL
		TSH Serum	Chemiluminescent Microparticle Immunoassay (CMIA)	Architect ci4100	0.0025 - 100 mIU/mL
		Free T4 Serum			0.40 - 6.0 ng/ dL
		Free T3 Serum			1.5 - 20 pg/mL

SI	Field of Testing	Test	Test Method	Test Instrument	Detection Limit
02	Haematology	Full Blood Count (FBC)	<p>Celldyn Ruby</p> <p><u>WBC</u> Optical Count Electrical impedance count</p> <p><u>Differential count</u> Optical flow channel + microscopy examination</p> <p><u>Hemoglobin</u> Spectrophotometric assay</p> <p><u>RBC & platelet count</u> Electrical Impedance Other parameters are calculated</p> <p><u>Haematocrit</u> Calculation $HCT = \frac{RBC \times MCV}{10}$</p> <p><u>Mean Cell Volume</u> The mean cell volume is the average volume of the individual red blood cells. The MCV is derived from the RBC size distribution data on the 0°, 10° and 90° Histograms, and is expressed in femtoliters.</p> <p>EDTA Blood</p>	Celldyn Ruby Sysmex 500i	<p>Celldyn Ruby</p> <p>WBC 0 – 2.5×10¹ /L</p> <p>RBC 0 – 8.0/L</p> <p>HGB 0 - 24 g/dL</p> <p>MCV 50 - 200 fL</p> <p>PLT 0 - 2×10³ /L</p> <p>MPV 05 - 18 fL</p> <p>Sysmex 500i</p> <p>WBC 0.0 – 0.4/L</p> <p>RBC 0.0 – 8.0 /L</p> <p>HGB 0.0 - 25 g/dL</p> <p>PLT 0.0 – 5.0/L</p> <p>HCT 0.0 – 60.0 %</p>
			<p>Systemex 500i</p> <p><u>WBC and differential count</u> Optical detector block based on the flow cytometry method, using a semiconductor laser.</p>		

			<p><u>RBC's and platelets</u> RBC detector using the Hydro Dynamic Focusing method. Advance sheath flow impedance technology.</p> <p><u>Hemoglobin (HGB)</u> HGB detector based on the SLS hemoglobin detection method.</p> <p><u>Haematocrit</u> Cumulative Pulse Height Method</p> <p><u>Mean Cell Volume</u> The MCV is calculated from the RBC & HCT.</p> <p>$MCV = \frac{HCT \times 10}{RBC}$</p>		
		ESR Citratd Blood, EDTA blood	Westergren method	Westergren tube	2 - 190 mm/hr

SI	Field of testing	Test	Test Method	Test Instrument	Detection Limit
03	Clinical Pathology	Urine Full report Urine			
		<u>Physical</u> Color Appearance	Dipstick Method	10 Para Urine Strip	
		<u>Chemical</u> Specific Gravity pH Protein Glucose Ketone Bilirubin Urobilinogen Nitrite			
		<u>Microscopy</u> Pus Cells Red Cells Epithelial Cells Crystal Cast Organism Other	Microscopic examination of urine sediment	Microscope	
		Urine HCG Urine	Rapid chromatographic immunoassay	Manual	Negative, Positive

Approved List of Sample Collection Centers

Sr No	Location	Address	Matrix of the sample
1	Kings Hospital Colombo (Pvt) Ltd	No. 18/ A, Evergreen Park Road, Colombo 05	Plain blood, EDTA blood, Citrated blood Urine
2	Kings Hospital Regent Street Branch	No.65A-1/1, E.W. Perera Mawatha, Colombo 10	

Director/CEO
Sri Lanka Accreditation Board for Conformity Assessment
Colombo, Sri Lanka