



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

Valid from 28 March 2019
to 27 March 2022
Issued on 09 April 2019



Schedule of Accreditation

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

Accreditation Number: ML 016-01

Hemas Hospitals Laboratory Services
No. 389, Negombo Road
Wattala

Scope of Accreditation: Performing Medical/Clinical testing under the fields of Clinical Biochemistry/Chemical Pathology, Clinical Pathology, Haematology, Microbiology and Serology.

The laboratory is accredited for the following tests. (Please see page 02 onward for Details)

Sl	Field of Testing	Test	Test Method	Test Instrument	Analytical Range
01	Clinical Biochemistry/Chemical Pathology	Alanine Aminotransferase (ALT) -serum	(Simens /Dade standard non IFCC correlated UV with P5P) IFCC with pyridoxal-5-phosphate	Dimension RL MAX	5-1000 U/L
		Albumin serum	Bromocresol Purple (Albumin BCP complex) BCP		0.6-8.0 g/dL
		Alkaline Phosphatase-serum	p-NPP + ANP(AMP optimized to IFCC) p-NPP + AMP		10-1000 U/L
		Aspartate Aminotransferase (AST) serum	IFCC with pyridoxal-5-phosphate (P5P) (Simen/Dade standard IFCC) IFCC with pyridoxal-5-phosphate		0- 1000 U/L
		Total Bilirubin serum	Diazo with Sulphanilic Acid Diazo		0.1-25mg/dL
		Blood Urea Nitrogen (BUN) serum	Urease, end point Urea Nitrogen Method		0 -150 mg/dL
		C Reactive Protein (CRP) serum	particle enhanced turbidimetric immunoassay (PETIA)		0.5 -250 mg/L
		Calcium serum	calcium o-cresolphthaleincomplexone (OCPC)		5.0-15 mg/dL
		Chloride serum	ISE		50-200 mmol/L
		Cholesterol – HDL serum	Direct HDL, Clearance method (Dimension-Dade Behring reagents) immunoinhibition Accelerator Selective Detergent methodology		3-150 mg/dL
		Total Cholesterol serum	(CE-CO-HPO) Enzymatic		50-600 mg/dL
		Creatinine serum	modification of the kinetic Jaffe reaction		0.15-20 mg/dL
		Urine Micro albumin	particle-enhanced turbidimetric inhibition immunoassay (PETINIA)		1.3-100 mg/L

Sl	Field of Testing	Test	Test Method	Test Instrument	Analytical Range
01	Clinical Biochemistry/ Chemical Pathology	Gamma Glutamyl Transferase (GGT) serum	Gamma glut ³ -carb ⁴ -nitro-IFCC IFCC	Dimension RL MAX	0-800 U/L
		Glucose Plasma (Fasting, Postprandial, Random, Glucose Challenge, Glucose Tolerance 75 g, Glucose Tolerance 100 g, Glucose Tolerance Extended & Blood Glucose Series)	Hexokinase G-6-PDH		0-500 mg/dL
		Glycosylated Hemoglobin (HbA _{1c}) whole blood	Ion-exchange high-performance liquid chromatography (HPLC)	BIO Rad D-10	3.8-18.5%
		Potassium serum	ISE	Dimension RL MAX	1-10 mmol/L
		Uric Acid serum	Uricase Method – Uricase Perox. With ascorb. Ox Uricase Method		0-20 mg/dL
		Phosphorus serum	Phosphomolibdate method		0.5-9.0 mg/dL
		Protein serum	Modified Biuret		2-12 g/dL
		Sodium Serum	ISE		50-200 mmol/L
		Triglycerides serum	Lipase/Glycerol Dehydrogenase enzymatic procedure		15-1000 mg/dL
		Liver Profile (Total Protein, Albumin, Globulin, Total Bilirubin, Alkaline phosphatase, AST, ALT, Gamma GT.)	-		-
		Lipid profile (Total Cholesterol, HDL, LDL, Triglyceride, Cho/HDL Ratio)	-		-
		Renal Profile (Sodium, Potassium, Chloride, Urea, Cratinine, Calcium, Phosphorus, Uric acid)	-		-
		Electrolytes Profile (Sodium, Potassium, Chloride)	-		-

Sl	Field of Testing	Test	Test Method	Test Instrument	Analytical Range
01	Clinical Biochemistry/ Chemical Pathology	Thyroid Profile (TSH , Free T ₄ , Free T ₃)	-	ARCHITECT	-
		Troponin I serum	CMIA		0.01-50 ng/mL
		Beta h C G (Quantitative) serum			1.2-15,000 mIU/mL
		TSH serum			0.0025 -100.0000 mIU/mL
		Free Tetraiodothyronine serum			0.4 - 5 ng/dL
		Free Triiodothyronine serum			1.5- 20.00 pg/mL
		FSH serum			0.05 -150.00 mIU/mL
		LH serum			0.09 – 250.00 mIU/mL
		Prolactin serum			0.6 - 200 ng/mL
		Total PSA serum			0.008 -100 ng/mL
		CA 125 serum			1.0 -1000 U/mL
02	Clinical Pathology	Urine - Pregnancy Test		Rapid chromatographic immunoassay	hCG pregnancy strip
		Stool Full Report Colour Consistency Pus cells RBC Epithelial Cells Macrophages Amoebae Ova Round Worm Hook Worm Whip worm Pin worm Cysts Giardia lamblia Charcot Leyden Fatty Acids Mucus Undigested Food Particles	Manual & Microscopic Examination	Microscope	-

Sl	Field of Testing	Test	Test Method	Test Instrument	Analytical Range
02	Clinical Pathology	Urine full report Colour Appearance Specific Gravity pH Protein Glucose Ketone Bilirubin Urobilinogen Microscopy Pus Cells Red Cells Epithelial Cells Casts Crystals Organisms	Urine Reagent Strip Manual & Microscopic Examination Urine Reagent Strip	Centrifuge & Microscope	1.000 – 1.030 5 - 7 1-14mg/dL 100mg/dL 5-10mg/dL 0.4-0.8mg/dL 0.2-1.0EU/dL
03	Microbiology	Stool Culture	Culture & Preliminary Identification	-	Positive/Negative
		Throat Swab Culture		-	Positive/Negative
		Urine Culture		-	Positive/Negative
		ABST Stokes Method	Joan Stokes Method	-	Sensitive/Intermediate Sensitive/Resistant
		Sputum For AFB	Ziehl Nielsen Stain	-	Positive/Negative
		Smear For Gram Stain	Gram Stain	-	Positive/Negative
04	Serology	Hepatitis B Surface Antigen serum	CMIA	ARCHITECT	Reactive/Non-reactive
		Hepatitis C Antibody serum			Reactive/Non-reactive
		HIV Ag/Ab Combo			Reactive/Non-reactive

Sl	Field of Testing	Test	Test Method	Test Instrument	Analytical Range
05	Haematology	E.S.R whole blood	Westergren method	Setting ESR tubes for an hour	01-190 mm/hr
		Haemoglobin whole blood	MAPSS Technology	CELL-DYN RUBY	0.0 -19.9 g/dl
		PCV whole blood			13.0-60.0 %
		RBC count whole blood			0.00-7.16 x 10 ⁶ /μl
		Platelets whole blood			11-1903 x 10 ³ /μl
		MCV whole blood			58 – 139fL
		MCH whole blood			-
		MCHC whole blood			-
		RDW whole blood			10.0 – 29.8 %
		WBC Count whole blood			0.02 -246.8 x10 ³ /μl
		WBC differential count whole blood			0.0-19.9g/dL

Approved list of sample collection centers

SI	Sample collection center	Address	Metric of the Sample
01	Hemas Hospital Laboratory Sample Collection Centre	No. 389, Negombo Road, Wattala	Plain, EDTA, Urine, Stool
02	Heamas Hospital Collecting Centre Ja Ela	No. 08, Old Negombo Road Ja Ela	Plain, EDTA, Urine, Stool

Director/CEO

Sri Lanka Accreditation Board for Conformity Assessment