



Valid from 14 October 2019  
to 13 October 2022  
Issued on 04 November 2019

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



ISO 15189  
ML 033-01

## Schedule of Accreditation

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

Accreditation Number: ML 033-01

**Ninewells Hospitals (Pvt) Ltd**  
**55/1 Kirimandala Mawatha**  
**Colombo 00500**

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

The laboratory is accredited for the following tests.

Sl No	Field of Testing	Test	Test Method	Test Instrument	Reference Range/Detection Limit
01	Clinical Biochemistry / Chemical Pathology	Albumin	Bromcresol Green method	Cobas C III	0.2 – 6.0 g/dL
		Alkaline Phosphatase	PNPP, AMP, IFCC reference method		3– 1200 U/L
		Amylase	G7PNP IFCC reference method		3 - 1500 U/L
		Bilirubin (Direct)	3,5-dichlorophenyl diazonium method		0.09 – 17 mg/dL
		Bilirubin (Total)	3,5-dichlorophenyl diazonium method		0.1– 38 mg/dL
		Calcium	5-nitro-5'-methyl-BAPTA		0.8 – 20.1 mg/dL
		Cholesterol – HDL	Direct enzymatic method		3– 120 mg/dL
		Cholesterol – LDL	Direct enzymatic method		3– 550 mg/dL
		Cholesterol (Total)	Enzymatic method		9.7 – 800 mg/dL

Sl No	Field of Testing	Test	Test Method	Test Instrument	Reference Range/Detection Limit
01	Clinical Biochemistry / Chemical Pathology	Triglycerides	Enzymatic method	Cobas C III	8.8 -885 mg/dL
		Creatinine	Enzymatic standardized IFCC IDMS		0.06 -30.5 mg/dL
		CRP	Turbidimetric assay		1 - 200 mg/L
		Plasma Glucose (Fasting Blood Glucose, Random Blood Glucose, <i>postprandial</i> Blood Glucose, Glucose Challenge, Glucose Tolerance, Glucose Tolerance Extended, Blood Glucose Series)	Hexokinase method		2- 500 mg/dL
		AST	Colorimetric Kinetic assay		2 - 700 U/L
		GGT	G-Glutamyl carboxynitroanilide IFCC		3 - 1200 U/L
		ALT	Colorimetric Kinetic assay (according to IFCC )		2 - 700 U/L
		Phosphorus	Colorimetric end point assay		0.3 – 20 mg/dL
		Potassium	ISE		1.5 - 15 mmol/L
		Sodium			40 -205 mmol/L
		Chloride		50 -200 mmol/L	
		Protein (Total)	Colorimetric end point assay	2 - 120 g/dl	
		Urea	Colorimetric Kinetic assay	3 – 240 mg/dL	
		Uric acid	Enzymatic Colorimetric	0.2– 25 mg/dL	
		Ferritin	Sandwich <i>Chemiluminescence</i>	Liaison	0.25 – 3000 ng/mL
Follicle Stimulating Hormone (FSH)	Sandwich <i>Chemiluminescence</i>	0.25 – 400 mIU/mL			
Free triiodothyronine 3 (FT3)	Solid phase antigen linked technique (APALT)	0.3 -30 pg/ mL			

Sl No	Field of Testing	Test	Test Method	Test Instrument	Reference Range/Detection Limit
01	Clinical Biochemistry / Chemical Pathology	Free thyroxine 4 (FT4)	Solid phase antigen linked technique (APALT)		0.1 – 10 ng/ dL
		Luteinizing Hormone (LH)	Sandwich <i>Chemiluminescence</i>	Liaison	0.2 – 250 mIU/ mL
		Progesterone	Competitive Sandwich <i>Chemiluminescence (CLIA)</i>		0.12– 60 ng/ mL
		Prolactin	Sandwich <i>Chemiluminescence</i>		2 – 8000 mIU/L
		Thyroid Stimulating Hormone (TSH)	Sandwich <i>Chemiluminescence</i>		0.04 – 100 mIU/L
		CA125	Sandwich <i>Chemiluminescence</i>		0.3 - 1000 U/mL
		b-HCG	Sandwich <i>Chemiluminescence</i>		0.3–10000 mIU /mL
Estradiol	Competitive Sandwich <i>Chemiluminescence (CLIA)</i>	10 – 10000 Pg/ml			
02	Clinical Pathology	Urine Full Report	Strip Method and Manual Method	Urine reagent Strips / Microscope	
		Colour			
		Appearance			
		Specific Gravity			1.000-1.030
		pH			5-9
		Protein			Negative -500mg/dl
		Sugar (Glucose)			0.04-1g/dl
		Ketone Bodies			Trace/+/-
		Urobilinogen			Normal/slightly increased/increased
		Bilirubin			+/-
		Nitrite			+/-
		Pus cells			/hpf
		Red cells			/hpf
		Epithelial cells			/hpf
		Casts			Nil/+/++
		Crystals			Nil/+/++
		Organisms	/hpf		
Urine Pregnancy test	Chromatographic immunoassay		Positive/Negative		

SI No	Field of Testing	Test	Test Method	Test Instrument	Reference Range/Detection Limit
03	Haematology	ESR	Westergren Manual	Manual	10-200 mm/hr
		<b>Full Blood Count</b>	Hydrodynamic focussing and flow cytometer	Nihon Kohdon, Celltac ES	
		WBC count			0.3-299 $10^3 \mu\text{L}$
		RBC			0.4 -9.9 $10^{12}/\text{L}$
		LYM			3-90 %
		NE			2 – 99.9%
		MO			4 - 99.9%
		EO			1-99.9%
		BA			0.5-99.9%
		PLT			-0.9-1490 $10^3 / \mu\text{l}$
		HGB			0.6-29.9 g/dl
		MCV			20-199 fl

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