



Laboratory: Kathmandu Path lab and Diagnostic Center. Pvt. Ltd.

Nagpokhari-1, Kathmandu

Discipline: Clinical Biochemistry, Cytopathology, Haematology, Histopathology, Serology

Annexure: Scope

Certificate No. MLS 002/003

Issue date: 09/06/2021

Expiry date: 08/06/2024

The clinical laboratories under the scope of AERSSC accreditation (ISO 15189:2012) are as follows:

Type of Task	Test sample	Test name	Standard Method	Recommendation	Witnessed by
Biochemistry	SERUM	THYROID STIMULATING HORMONE	CLIA		
Biochemistry	SERUM	FREE TRIIODOTHYORINE	CLIA		
Biochemistry	SERUM	FREE THYROXINE HORMONE	CLIA		
Biochemistry	SERUM	PROLACTIN HORMONE	CLIA		
Biochemistry	SERUM	FOLLICLE-STIMULATING HORMONE (FSH)	CLIA		
Biochemistry	SERUM	LUTEINIZING HORMONE(LH)	CLIA		
Biochemistry	SERUM	HUMAN CHORIONIC GONADOTROPIN HORMONE(β HCG)	CLIA		
Biochemistry	SERUM	ESTRADIOL HORMONE, (E2)	CLIA		
Biochemistry	SERUM	TESTOSTERONE HORMONE	CLIA		
Biochemistry	SERUM	CARCINO-EMBRYONIC ANTIGEN (CEA)	CLIA		

Biochemistry	SERUM	ALFA FETOPROTEIN (AFP)	CLIA		
Biochemistry	SERUM	PROSTATE-SPECIFIC ANTIGEN (TOTAL)	CLIA		
Biochemistry	SERUM	FERRITIN	CLIA		
Biochemistry	SERUM	ANTI-THYROID PEROXIDASE ANTIBODY (Anti-TPO)	CLIA		
Biochemistry	SERUM	CA-125	CLIA		
Biochemistry	SERUM	CA19-9	CLIA		
Biochemistry	SERUM	CA15-3	CLIA		
Biochemistry	SERUM	VITAMIN B12	CLIA		
Biochemistry	SERUM	25-OH VITAMIN D3	CLIA		
Hematology	Whole blood	TOTAL LEUCOCYTE COUNT	DC detection method		
Hematology	Whole blood	DIFFERENTIAL LEUCOCYTE COUNT	Manual		
Hematology	Whole blood	HEMOGLOBIN	Non cyanide HGB method		
Hematology	Whole blood	RBC/PLATELETS	Hydrodynamic focusing DC detection method		
Hematology	Whole blood	HEMATOCRIT VALUE	Calculation		
Hematology	Whole blood	MEAN CORPUSCULAR VOLUME	Calculation		
Hematology	Whole blood	MEAN CORPUSCULAR HEMOGLOBIN	Calculation		
Hematology	Whole blood	MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	Calculation		
Serology	SERUM	ANTI-NUCLEAR ANTIBODY(ANA)	ELISA		
Serology	SERUM	ANTI-DOUBLE STRANDED DNA(ANTI-DsDNA)	ELISA		

Serology	SERUM	HEPATITIS SURFACE ANTIGEN (HbsAg)	ELISA		
Serology	SERUM	HEPATITIS SURFACE E ANTIGEN (HbeAg)	ELISA		
Serology	SERUM	HEPATITIS SURFACE E ANTIBODY (ANTI-HBE)	ELISA		
Serology	SERUM	HEPATITIS A VIRUS ANTIBODY (ANTI-HAV IGM)	ELISA		
Serology	SERUM	HEPATITIS E VIRUS ANTIBODY (ANTI-HEV IGM)	ELISA		
Serology	SERUM	HEPATITIS C VIRUS ANTIBODY (ANTI-HCV IGM)	ELISA		
Serology	SERUM	HIV I&II ANTIBODY IGM	ELISA		
Serology	SERUM	TOXOPLASMA ANTIBODY (IGG/IGM)	ELISA		
Serology	SERUM	RUBELLA VIRUS ANTIBODY (IGG/IGM)	ELISA		
Serology	SERUM	CYTOMEGALOVIRUS (CMV-IGG/IGM)	ELISA		
Serology	SERUM	HERPES SIMPLEX VIRUS-1ANTIBODY, HSV-1(IGG-IGM)	ELISA		
Serology	SERUM	HERPES SIMPLEX VIRUS-2 ANTIBODY, HSV-2(IGG-IGM)	ELISA		
Histopathology	Tissue	Hematoxylin and Eosin stain	Hematoxylin stains the nucleus of the tissue and eosin stains the cytoplasm of the tissue		
Histopathology	Tissue	PAS stain	Stain the glycogen present in the skin tissue		
Histopathology Tissue	Tissue	AFB stain	Carbol-fuschin stain the mycobacterium present in the tissue in red in color and		

			methylene blue stain background of the tissue section		
Histopathology	Tissue	Giemsa stain	The acidic dye of the stain stains the nucleus in purple color and basic dye stains the cytoplasm of the tissue		
Cytopathology	Exfoliative/Aspirate	Papanicolaou stain	Hematoxylin stains the nucleus of the cell and OG-6 stains the keratinized squamous cell and EA (Eosin Azure) is used as counter stain		
Cytopathology	Exfoliative/Aspirate	Wright stain	The acidic dye of the stain, stains the nucleus in purple color and basic dye stains the cytoplasm of the cell		
Cytopathology	Exfoliative/Aspirate	Giemsa stain	The acidic dye of the stain stains the nucleus in purple color and basic dye stains the cytoplasm of the cell		

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