

Quality And Accreditation Institute Centre for Laboratory Accreditation

Scope of Accreditation

NARAYANA NETHRALAYA INSTITUTE OF MOLECULAR DIAGNOSTICS & LABORATORY SERVICES

Narayana Nethralaya, Narayana Health City, 258/A, Bommasandra,
Bengaluru-560099, Karnataka, India

Date of First Accreditation: 18 February 2019

QAI/CLA/ML/2019/0003

Valid from : **18 February 2021**

Valid until : **17 February 2023**

Accreditation Standards: ISO 15189:2012

Clinical Biochemistry

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1	Serum	Albumin	Dye Binding Bromo Cresol Green
2	Serum	Alkaline Phosphatase	PNPP Kinetic
3	Serum	Bilirubin (Total)	Diazotization, DPD
4	Serum	Bilirubin (Direct)	Diazotization, DPD
5	Serum	Cholesterol Total	CHOD-PAP
6	Serum	Creatinine	Alkaline Picrate- Jaffe's Method
7	Fluoride Plasma /Serum	Glucose (FBS/PPBS/RBS)	Hexokinase
8	Serum	Protein (Total)	Biuret, Endpoint
9	Serum	SGOT (AST)	IFCC (without P5P)
10	Serum	SGPT (ALT)	IFCC (without P5P)
11	Serum	Triglycerides	GPO – PAP
12	Serum	Urea	Urease UV Kinetic
14	EDTA	HbA1c	Boronate affinity
15	Serum	Homocysteine	Enzymatic Assay

Haematology

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1	EDTA Blood	Differential WBC Count	Cell Counter
2	Citrate Blood	ESR	Westergren method
3	EDTA Blood	Hemoglobin	Photometric
4	EDTA Blood	Mean corpuscular Hemoglobin (MCH)	Particle cell counter calculated from Hgb /RBC Count



A handwritten signature in black ink, appearing to read 'Dr. Bhupendra Kumar Rana', is written over a horizontal line.

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Haematology

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
5	EDTA Blood	Mean Corpuscular Hemoglobin Concentration (MCHC)	Particle cell counter calculated from Hgb /Hct
6	EDTA Blood	Mean Corpuscular Volume (MCV)	Particle cell counter calculated from Hct /RBC
7	EDTA Blood	Packed Cell Volume (PCV)	RBC pulse height detection)
8	EDTA Blood	Platelet Count	Electrical Impedance
9	EDTA Blood	RBC Count	Electrical Impedance
10	EDTA Blood	Total Leukocyte Count	Electrical Impedance
11	EDTA Blood	Blood Group and Rh Typing	Agglutination

Clinical Pathology

Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1	Urine	Protein	Automated strip reader
2	Urine	Glucose	Automated strip reader
3	Urine	Ph	Automated strip reader
4	Urine	Specific gravity	Automated strip reader
5	Urine	Blood	Automated strip reader
6	Urine	Bilirubin	Automated strip reader
7	Urine	Urobilinogen	Automated strip reader
8	Urine	Ketone bodies	Automated strip reader
9	Urine	Nitrite	Automated strip reader
10	Urine	Leukocytes	Automated strip reader



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Microbiology & Serology			
Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1	Eye fluids, Conjunctival Swabs, Corneal Scrapings, Button, Tissues, Pus, Inoculated plate.	Aerobic Culture	Culture on basic media plates. Conventional culture techniques.
2	Urine	Aerobic Culture	Culture on basic media plates. Semi Quantitative method
3	Eye fluids, Conjunctival Swabs, Corneal Scrapings, Button, Tissues, Pus, Inoculated plate.	Fungal Culture	Culture on Sabaraud Dextrose Agar
4	Eye fluids, Conjunctival Swabs, Corneal Scrapings, Button, Tissues, Pus.	Fungal smear (KOH mount /KOH-Calcofluor White Stain.	Light Microscopy/Fluorescent Microscopy
5	Eye fluids, Conjunctival Swabs, Corneal Scrapings, Button, Tissues, Pus.	Gram Stain	Light Microscopy
6	Serum / Plasma	Hepatitis B Surface Antigen	Immunochromatographic
7	Serum / Plasma	Hepatitis C Virus Antibody	Immunodot
8	Serum / Plasma	HIV 1 & 2 Antibody Screening	Immunodot
9	Serum / Plasma	Chikungunya IgG & IgM Pallidum Antibody	Rapid Immuno Chromatographic Assay
10	Serum / Plasma	Treponema Pallidum Hemagglutination	Hemagglutination
11	Serum	Immunoglobulin E total	Turbidimetry

Molecular Diagnostics			
Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
1	Tissues and All Clinical Body Fluids	Eubacterial tuberculosis(MTB) & NTM	Real Time Qualitative PCR
2	Ocular samples and All Clinical Body Fluids	Eubacterial Genome	Nested Qualitative PCR



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Molecular Diagnostics			
Sl. No.	Type of Samples Examined/ Tested	Specific Tests/ Examination Performed	Standard (Method), Principle/ Methodology or Technique Used
3	Ocular samples	Propionibacterium acne	Nested Qualitative PCR
4	Ocular samples ,tissues and All Clinical Body Fluids	Panfungal genome	Qualitative PCR
5	Ocular samples ,tissues and All Clinical Body Fluids	Toxoplasma gondii	Nested Qualitative PCR
6	EDTA Blood,Tissue,CSF and All Clinical Body Fluids	Cytomegalo virus (CMV)	Real Time Qualitative PCR
7	EDTA Blood,Tissue,CSF and All Clinical Body Fluids	Herpes Simplex virus (HSV1)	Real Time Qualitative PCR
8	EDTA Blood,Tissue,CSF and All Clinical Body Fluids	Herpes Simplex virus(HSV2)	Real Time Qualitative PCR
9	EDTA Blood,Tissue,CSF and All Clinical Body Fluids	Varicella zoster virus(VZV)	Real Time Qualitative PCR
10	Throat swab,Nasopharyngeal swab and Bronchial aspirates.	Swine Flu H1N1	Real Time Qualitative PCR
11	Oropharyngeal and Nasopharyngeal Swabs	Covid-19	Real Time Qualitative PCR
12	EDTA Blood,Tissue,CSF and All Clinical Body Fluids	Cytomegalo virus (CMV)	Real Time Quantitative PCR
13	EDTA Blood,Tissue,CSF and All Clinical Body Fluids	Hepatitis B virus (HBV)	Real Time Quantitative PCR
14	EDTA Blood, Tissue, CSF and All Clinical Body Fluids	Epstein-barr virus (EBV)	Real Time Quantitative PCR
15	EDTA Blood, Tissue, CSF and All Clinical Body Fluids	Adeno Virus	Real Time Quantitative PCR

