



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

<b>Laboratory Name :</b>	PATHOLOGY LABORATORY -NARINDER MOHAN HOSPITAL & HEART CENTRE, PLOT NO : 16-17 GT ROAD MOHAN NAGAR, GHAZIABAD, UTTAR PRADESH, INDIA		
<b>Accreditation Standard</b>	ISO 15189:2012		
<b>Certificate Number</b>	MC-2273	<b>Page No</b>	1 of 8
<b>Validity</b>	16/08/2021 to 15/08/2023	<b>Last Amended on</b>	13/09/2021

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CLINICAL BIOCHEMISTRY	Plasma/Serum	Glucose	Hexokinase
2	CLINICAL BIOCHEMISTRY	Serum	A/G Ratio	Calculated
3	CLINICAL BIOCHEMISTRY	Serum	Alkaline Phosphatase	Kinetic Pnpp
4	CLINICAL BIOCHEMISTRY	Serum	Amylase	CNPG3
5	CLINICAL BIOCHEMISTRY	Serum	Bilirubin Direct	DPD
6	CLINICAL BIOCHEMISTRY	Serum	Bilirubin Total	DPD
7	CLINICAL BIOCHEMISTRY	Serum	Calcium	Arsenazo
8	CLINICAL BIOCHEMISTRY	Serum	Chloride	Indirect -ISE
9	CLINICAL BIOCHEMISTRY	Serum	Cholesterol	CHO-POD
10	CLINICAL BIOCHEMISTRY	Serum	CPK	NADPH, Kinetic
11	CLINICAL BIOCHEMISTRY	Serum	Creatinine	Jaffe- Kinetic
12	CLINICAL BIOCHEMISTRY	Serum	Ferritin	ECLIA
13	CLINICAL BIOCHEMISTRY	Serum	Folic Acid/ Folate	ECLIA
14	CLINICAL BIOCHEMISTRY	Serum	FSH	ECLIA
15	CLINICAL BIOCHEMISTRY	Serum	FT3	ECLIA
16	CLINICAL BIOCHEMISTRY	Serum	FT4	ECLIA
17	CLINICAL BIOCHEMISTRY	Serum	GGT	Carboxy -Substrate - Kinetic
18	CLINICAL BIOCHEMISTRY	Serum	HDL- Direct	Direct non- immunology
19	CLINICAL BIOCHEMISTRY	Serum	Iron	Colorimetric
20	CLINICAL BIOCHEMISTRY	Serum	LDL	Calculated = Cholesterol- ( TG/5+HDL)
21	CLINICAL BIOCHEMISTRY	Serum	LH	ECLIA



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22	CLINICAL BIOCHEMISTRY	Serum	Lipase	Kinetic Colorimetric
23	CLINICAL BIOCHEMISTRY	Serum	Magnesium	Xylithy blue
24	CLINICAL BIOCHEMISTRY	Serum	Phosphorus ( Inorganic)	Molybdate UV
25	CLINICAL BIOCHEMISTRY	Serum	Potassium	Indirect- ISE
26	CLINICAL BIOCHEMISTRY	Serum	Prolactin	ECLIA
27	CLINICAL BIOCHEMISTRY	Serum	PSA (Total)	ECLIA
28	CLINICAL BIOCHEMISTRY	Serum	SGOT(AST)	Kinetic UV IFCC
29	CLINICAL BIOCHEMISTRY	Serum	SGPT(ALT)	Kinetic UV IFCC
30	CLINICAL BIOCHEMISTRY	Serum	Sodium	Indirect ISE
31	CLINICAL BIOCHEMISTRY	Serum	TIBC	Calculated Parameters
32	CLINICAL BIOCHEMISTRY	Serum	Total IgE	ECLIA
33	CLINICAL BIOCHEMISTRY	Serum	Triglycerides	Enzymatic ( GPO-POD)
34	CLINICAL BIOCHEMISTRY	Serum	TSH	ECLIA
35	CLINICAL BIOCHEMISTRY	Serum	UIBC	Photometric
36	CLINICAL BIOCHEMISTRY	Serum	Urea	Urease/GLDH
37	CLINICAL BIOCHEMISTRY	Serum	Uric Acid	Uricase/POD
38	CLINICAL BIOCHEMISTRY	Serum	Vitamin B12	ECLIA
39	CLINICAL BIOCHEMISTRY	Serum	Vitamin D3	ECLIA
40	CLINICAL BIOCHEMISTRY	Serum	VLDL	Calculated = TG/5
41	CLINICAL BIOCHEMISTRY	Serum/ Body Fluid	Albumin	BCG
42	CLINICAL BIOCHEMISTRY	Serum/body Fluid	LDH	Pyruvate- Kinetic
43	CLINICAL BIOCHEMISTRY	Serum/Body Fluid	Total Protein	Biuret
44	CLINICAL BIOCHEMISTRY	Whole Blood	HbA1C	HPLC



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45	CLINICAL PATHOLOGY	Stool	Occult Blood	Standard Guaiac Method
46	CLINICAL PATHOLOGY	Stool	Stool Routine Macroscopic Examination: Colour, consistency, mucus, blood. Microscopic: pus cells, RBC, ova	Manual
47	CLINICAL PATHOLOGY	Urine	Routine Examination - Microscopic Examination ; RBC, WBC, ECS, Crystals,Cast	Microscopy
48	CLINICAL PATHOLOGY	Urine	Bile Salt & Bile Pigment	Hay's Sulpher Test /Fouchet's Test
49	CLINICAL PATHOLOGY	Urine	Routine Examination: Chemical Examination: Protein, Glucose, blood, Ketone, Urobilinogen	Reagent Strip:Protein - Protein -error indicator , Glucose- Double Sequential enzyme reaction , Blood - Peroxidase activity of Hb, Ketone - Rethera's( Nitroprusside),Urobilinogen-Ehrlich Reaction



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50	CLINICAL PATHOLOGY	Urine	Urine Routine Examination- Physical Examination : Volume,Colour. Appearance ,Sediment, Odor, pH,Sp Gr	Manually / Visually and chemical and microscopic , centrifugation, pH Chemical strip ,refractive index method,Reagent Strip:Protein -Protein - error indicator , Glucose-Double Sequential enzyme reaction , Blood -Peroxidase activity of Hb, Ketone - Rethera's( Nitroprusside),Urobilinogen-Ehrlich Reaction
51	CYTOPATHOLOGY	Body fluids(Ascitic, Pleural,CSF, Synovial, Pus, BAL fluid,ET secretions,nipple discharge)	Cytospin/ Centrifugation, smear preparation, Pap, H & E and MGG staining	Light Microscopy with Interpretation
52	CYTOPATHOLOGY	Cervical Smear	PAP Stain	Microscopy
53	CYTOPATHOLOGY	Cervical Smears , Body Fluids	Liquid Based Cytology	Microscopy
54	CYTOPATHOLOGY	Palpable or non palpable lesion involving any organ	FNAC Smear Preparation, MGG staining with or without PAP/H& E	Light Microscopy with Interpretation
55	CYTOPATHOLOGY	Unstained smears	MGG staining with or without PAP / H & E	Light Microscopy with Interpretation
56	HAEMATOLOGY	Whole Blood	Lymphocyte	Semiconductor Laser based Flowcytometry
57	HAEMATOLOGY	Whole Blood	Hemoglobin	Colorimetic



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58	HAEMATOLOGY	Whole Blood	APTT	Electro Magnetic Sensor
59	HAEMATOLOGY	Whole Blood	APTT	Photo Optical Clot Detection
60	HAEMATOLOGY	Whole Blood	Basophil	Impedance - Independent Method
61	HAEMATOLOGY	Whole Blood	Blood Group ( ABO & Rh)	Tube Agglutination / Tube method (forward and reverse methods Both )
62	HAEMATOLOGY	Whole Blood	Eosinophil	Semiconductor Laser based Flowcytometry
63	HAEMATOLOGY	Whole Blood	ESR	Modified Westergren method
64	HAEMATOLOGY	Whole Blood	MCH	Calculated Parameter
65	HAEMATOLOGY	Whole Blood	MCHC	Calculated Parameter
66	HAEMATOLOGY	Whole Blood	MCV	calculated Parameter
67	HAEMATOLOGY	Whole Blood	Monocytes	Semiconductor Laser based Flowcytometry
68	HAEMATOLOGY	Whole Blood	Neutrophils	Flowcytometry Method Using Semiconductor Laser
69	HAEMATOLOGY	Whole Blood	PCV/Hematocrit (HCT)	calculated Parameter
70	HAEMATOLOGY	Whole Blood	Peripheral Blood Smear Examination / Malarial Parasite / Micro Filaria	Leishman(Methyleneblue &Eosin)byLight microscopy
71	HAEMATOLOGY	Whole Blood	Peripheral Smear	Leishman(Methyleneblue &Eosin) byLight microscopy



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72	HAEMATOLOGY	Whole Blood	Platelet Count	Impedance Method
73	HAEMATOLOGY	Whole Blood	PT	Photo Optical Clot Detection
74	HAEMATOLOGY	Whole Blood	PT	Electro Magnetic Sensor
75	HAEMATOLOGY	Whole Blood	RBC	Impedance Method
76	HAEMATOLOGY	Whole Blood	RDW-cv	Calculated Parameter
77	HAEMATOLOGY	Whole Blood	Reticulocyte	Microscopy/ Supravital Stain
78	HAEMATOLOGY	Whole Blood	TLC/WBC	Impedance Method
79	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Blood and Body fluids other than urine	Aerobic Pyogenic Culture	Bact Alert and, Identification and Sensitivity by viteck -2
80	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Heparin / EDTA blood	Rapid Malaria Test( Plasmodium falciparum & P.vivax)	Immunoassay based on sandwich
81	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Scrapping ( skin) Nail clippings, hair, tissue biopsy, sputum	Wet Mount	KOH Preparation
82	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Anti Deoxy Nucleic Acid	Latex Agglutination
83	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	ASO Antibody	Latex Agglutination
84	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Chikungunya IgM Antibody	Immuno chromatography



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85	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	CRP	Latex Agglutination
86	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Dengue IgM/IgG and NS 1 Ag	Solid Phase Immunochromatographic assay
87	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HBs Ag	Solid Phase Immunochromatographic assay
88	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HCV Antibodies	Solid Phase Immunochromatographic assay
89	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV I & II Antibody	ELISA
90	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV I & II Antibody	Lateral Flow
91	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	HIV I & II Antibody	Solid Phase Immunochromatographic Assay
92	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	RA	Latex Agglutination
93	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	RPR	Slide Agglutination



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94	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Typhidot (IgM Antibody)	Immunochromatography
95	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Serum	Widal	Latex Agglutination / Tube Agglutination
96	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Sputum / pus / Body fluids	Stain	Gram stain
97	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Sputum / pus / Body fluids / Urine	AFB	ZN Stain
98	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Stool	Motility( Hanging Drop)	Microscopy
99	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Throat swab	Stain	Automated identification and Sensitivity:Albert Stain
100	MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY	Urine / Pus / Stool / Sputum / throat swab / BAL / catheter tip / aspirate	Conventional Pyogenic Aerobic culture	Identification and Sensitivity
101	MOLECULAR TESTING	Blood	HCV RNA Quantitative	Real Time RT PCR (Closed System)
102	MOLECULAR TESTING	Nasal swab and/ throat swab	SARS CoV-2	RT-PCR (Closed System)