



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



SCOPE OF ACCREDITATION

Laboratory Name ANAND DIAGNOSTIC LABORATORY, ANAND TOWER, #54, BOWRING HOSPITAL ROAD, SHIVAJI NAGAR, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO 15189:2012

Certificate Number MC-2388 Page No. : 1 / 34

Validity 28/10/2019 to 27/10/2021 Last Amended on -

S.No	Discipline	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	%CV
Permanent Facility					
1	CLINICAL BIOCHEMISTRY	Serum	Cholesterol VLDL	Calculation	NA
2	CLINICAL BIOCHEMISTRY	Serum/Li- Heparin Plasma/K2 EDTA Plasma	Apolipoprotein B	PEG immunoturbidimetric	16.7
3	CLINICAL BIOCHEMISTRY	24 Hour Urine	Electrolyte Potassium	Indirect Potentiometry	1.3
4	CLINICAL BIOCHEMISTRY	24 Hour Urine	Electrolyte Sodium	Indirect Potentiometry	1.4
5	CLINICAL BIOCHEMISTRY	24 Hour Urine	Electrolyte Chloride	Indirect Potentiometry	1.2
6	CLINICAL BIOCHEMISTRY	24 HR / Random Urine	Creatinine	Enzymatic	0.8
7	CLINICAL BIOCHEMISTRY	24 Hr Urine	Uric Acid	Uricase/Peroxidase	1.7
8	CLINICAL BIOCHEMISTRY	24 Hr Urine/Random	Microalbumin	PEG-enhanced immunoturbidimetric	5.5
9	CLINICAL BIOCHEMISTRY	CSF/Urine	Total Protein	Dye Binding	11.1



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10	CLINICAL BIOCHEMISTRY	EDTA Plasma	Lactate	Lactate oxidase, colorimetric	3.4
11	CLINICAL BIOCHEMISTRY	EDTA Plasma	Lactate	Lactate oxidase to pyruvate and hydrogen peroxide	2.2
12	CLINICAL BIOCHEMISTRY	EDTA Whole Blood	Glycosylated Hb	HPLC	3.2
13	CLINICAL BIOCHEMISTRY	Heparin/ EDTA Plasma	Ammonia	Enzymatic	10.3
14	CLINICAL BIOCHEMISTRY	Serum	Bicarbonate(Co2)	Enzymatic	6.8
15	CLINICAL BIOCHEMISTRY	Serum	CPK Total	NAC activated	3.7
16	CLINICAL BIOCHEMISTRY	Serum	Albumin	BCG Dye Binding	1.7
17	CLINICAL BIOCHEMISTRY	Serum	Total Iron Binding Capacity	Sequential release and uptake of iron	1.7
18	CLINICAL BIOCHEMISTRY	Serum	UIBC	Ferene	14.4



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19	CLINICAL BIOCHEMISTRY	Serum	Acid Phosphatase	Naphthol Phosphate Substrate. Hillman's Kinetic	13.1
20	CLINICAL BIOCHEMISTRY	Serum	Calcium – Ionized	Ion Selective Electrode	5.8
21	CLINICAL BIOCHEMISTRY	Serum	eGFR	Calculated using CKD-EPI formula	NA
22	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Direct LDL	Elimination/catalase	5.1
23	CLINICAL BIOCHEMISTRY	Serum / LI- Heparin Plasma/ Fluoride, K2 EDTA, CSF	Glucose, (FBS / PPBS / RBS / GTT)	Hexokinase	1.8
24	CLINICAL BIOCHEMISTRY	Serum / EDTA/LI- Heparin Plasma	Direct HDL	Elimination/catalase	2.7
25	CLINICAL BIOCHEMISTRY	Serum / Heparin Plasma	Alkaline Phosphatase	Modified IFCC	3.1
26	CLINICAL BIOCHEMISTRY	Serum / Heparin Plasma	Cholesterol Total	Enzymatic	3.1
27	CLINICAL BIOCHEMISTRY	Serum / Li Heparin Plasma	Total Bilirubin	Vanadate oxidation	6.1



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28	CLINICAL BIOCHEMISTRY	Serum / LI- Heparin Plasma	Transferrin	Calculated	NA
29	CLINICAL BIOCHEMISTRY	Serum / LI- Heparin Plasma	Direct Bilirubin	Vanadate oxidation	4.6
30	CLINICAL BIOCHEMISTRY	Serum / LI- Heparin Plasma	LDH (Lactate dehydrogenase)	Lactate/NAD	2.1
31	CLINICAL BIOCHEMISTRY	Serum / LI- Heparin Plasma	Lipase	Colorimetric rate	8.9
32	CLINICAL BIOCHEMISTRY	Serum /EDTA Plasma	Lithium	Colorimetric rate	9.4
33	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Calcium	Arsenazo III	4.8
34	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	SGPT (ALT) (Alanine amino transferase)	Modified IFCC (WITH P5P)	5.5
35	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Apolipoprotein A-1	PEG immunoturbidimetric	3.9
36	CLINICAL BIOCHEMISTRY	Serum /Li- Heparin Plasma	Electrolyte Chloride	Indirect Potentiometry	1.5



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37	CLINICAL BIOCHEMISTRY	Serum /Li- Heparin Plasma	Electrolyte Potassium	Indirect Potentiometry	1.8
38	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Amylase	Ethylidene Blocked-pNPG7	3.8
39	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Cholinesterase	Butyryl thiocholine/5-thio-2-nitrobenzoate	9.4
40	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Creatinine	Enzymatic	2.2
41	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Apolipoprotein B	PEG immunoturbidimetric	5.9
42	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	SGOT (AST) (Aspartate amino transferase)	Modified IFCC (WITH P5P)	4.8
43	CLINICAL BIOCHEMISTRY	Serum /Li- Heparin Plasma	Electrolyte Sodium	Indirect Potentiometry	1.2
44	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	GGTP (Gamma glutamyl transpeptidase)	Modified IFCC	4.5
45	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Inorganic Phosphorous	Phosphomolybdate/UV	4.1



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46	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Iron	Ferrozine	2.7
47	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Lipoprotein (a)	Immunoturbidimetry	4.7
48	CLINICAL BIOCHEMISTRY	Serum /LI- Heparin Plasma	Magnesium	Xylidyl Blue	6.2
49	CLINICAL BIOCHEMISTRY	Serum/ Heparin Plasma	AngiotensinConverting Enzyme	Enzymatic	9.2
50	CLINICAL BIOCHEMISTRY	Serum/ Heparin Plasma	CRP (C Reactive Protein)	Latex enhanced immunoturbidimetric	8.3
51	CLINICAL BIOCHEMISTRY	Serum/ Heparin Plasma	Urea Nitrogen	Urease with GLDH	3.3
52	CLINICAL BIOCHEMISTRY	Serum/Body Fluids	Adenosine deaminase	Enzymatic	12.3
53	CLINICAL BIOCHEMISTRY	Serum/Li Heparin Plasma	Protein (Total)	Biuret	2.6
54	CLINICAL BIOCHEMISTRY	Serum/Li- Heparin Plasma	Uric Acid	Uricase/Peroxidase	1.4



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55	CLINICAL BIOCHEMISTRY	Serum/Li- Heparin Plasma/K2 EDTA Plasma	Triglycerides	GPO	1.1
56	CLINICAL BIOCHEMISTRY	Serum/Li- Heparin Plasma/K2 EDTA Plasma	Triglycerides	GPO, Trinder without serum blank	2.1
57	CLINICAL BIOCHEMISTRY	Serum/Lithium /Heparin Plasma	Albumin	BCG Dye Binding	1.9
58	CLINICAL BIOCHEMISTRY	Serum/Lithium /Heparin Plasma	Amylase	Ethylidene Blocked-pNPG7	1.3
59	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	CPK Total	Enzymatic	6.2
60	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Electrolyte Chloride	Indirect Integrated Multisensor Technology (IMT)	0.9
61	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Electrolyte Potassium	Indirect Integrated Multisensor Technology (IMT)	0.5
62	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Electrolyte Sodium	Indirect Integrated Multisensor Technology (IMT)	0.8
63	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	LDH (Lactate dehydrogenase)	Lactate / NAD	0.9



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64	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Lipase	Colorimetric rate	2.7
65	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Magnesium	Xylidyl Blue	2.2
66	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	SGOT (AST) (Aspartate amino transferase)	Modified IFCC	8.1
67	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	SGPT (ALT) (Alanine amino transferase)	Modified IFCC	5.6
68	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Calcium	Arsenazo - Colorimetric	1.5
69	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Cholesterol	Colorimetric: cholesterol esterase and cholesterol oxidase conversion followed by a Trinder endpoint	1.1
70	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Creatinine	Jaffe, alkaline picrate, kinetic with blank rate correction	2.3
71	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Direct Bilirubin	Vanadate oxidation	6.9
72	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	GGTP	Modified IFCC	3.8



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73	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Inorganic Phosphorous	Phosphomolybdate	2.9
74	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Total Bilirubin	Vanadate oxidation	1.3
75	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Total Protein	Biuret	1.3
76	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma	Uric Acid	Uricase/Peroxidase	1.3
77	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma/EDTA Plasma/Sodium fluoride plasma	Glucose, (FBS / PPBS / RBS / GTT)	Hexokinase	1.2
78	CLINICAL BIOCHEMISTRY	Serum/Lithium Heparin Plasma/Urine	Urea Nitrogen	Urease with GLDH	3.4
79	CLINICAL BIOCHEMISTRY	Serum/Urine	Osmolality	Vapor Pressure	4.2
80	CLINICAL BIOCHEMISTRY	Urine	Calcium	Arsenazo III	3.1
81	CLINICAL BIOCHEMISTRY	Urine	Urea Nitrogen	Urease with GLDH	2.3



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82	CLINICAL BIOCHEMISTRY	Urine	Inorganic Phosphorous	Phosphomolybdate/UV	6.9
83	CLINICAL BIOCHEMISTRY	Urine	Magnesium	Xylidyl Blue	9.4
84	CLINICAL PATHOLOGY	Semen	Automated with Analyzer	A. Macroscopy: I. Physical: a. Volume b. Viscosity c. liquefaction. II. Chemical: a. pH b. Fructose III. Automated Analysis: a. Sperm Concentration b. Morphology c. Motility B. Microscopy: I. Vitality II. Agglutination III. Other cells	NA
85	CLINICAL PATHOLOGY	Stool	Stool Occult Blood	Standard Guaiac Method	NA
86	CLINICAL PATHOLOGY	Urine	Pregnancy Test	Rapid membrane chromatography	NA
87	CLINICAL PATHOLOGY	Urine	Routine Analysis a). Protein	Chemical automated strip reader/manual method (automated/Sulfosalicylic acid method)	NA
88	CLINICAL PATHOLOGY	Urine	Routine analysis b) Sugar	Automated/strip (GOD – POD) / Benedicts method	NA
89	CLINICAL PATHOLOGY	Urine	Routine Analysis c). pH	automated / litmus paper	NA



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90	CLINICAL PATHOLOGY	Urine	Routine Analysis d). Sp Gravity	Automated /Urinometer	NA
91	CLINICAL PATHOLOGY	Urine	Routine Analysis e). Blood	Automated	NA
92	CLINICAL PATHOLOGY	Urine	Routine Analysis f). Bilirubin	Automated	NA
93	CLINICAL PATHOLOGY	Urine	Routine Analysis g). Bile salts	Sulfur powder	NA
94	CLINICAL PATHOLOGY	Urine	Routine Analysis h). Bile pigment	Fouchets	NA
95	CLINICAL PATHOLOGY	Urine	Routine Analysis i). Urobilinogen	Automated / Ehrlich reagent test	NA
96	CLINICAL PATHOLOGY	Urine	Routine Analysis j). Ketone bodies	Automated / Rothera's test	NA
97	CLINICAL PATHOLOGY	Urine	Routine Analysis k). Ascorbic acid	Automated	NA
98	CLINICAL PATHOLOGY	Urine	Routine Analysis l). Nitrite	Automated	NA



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99	CLINICAL PATHOLOGY	Urine	Routine Analysis m). Leukocytes	Automated	NA
100	CLINICAL PATHOLOGY	Semen	Semen Analysis(Manual Method)	A. Macroscopy: I. Physical: a. Volume b. Viscosity c. liquefaction. II.Chemical: a. pH b. Fructose B. Microscopy: I. Sperm Concentration. II. Motility III. Morphology IV. Vitality V. Agglutination VI. Other cells	NA
101	CLINICAL PATHOLOGY	Stool	Occult Blood	Immunochemistry	NA
102	CLINICAL PATHOLOGY	Stool	Routine Analysis	I. Physical : A. Macroscopy: i. Colour ii. Consistency II. Chemical: A. pH B. Occult blood C. Reducing Substance III. Microscopy: A. Cells B. Parasites C. Fat globules	NA
103	CLINICAL PATHOLOGY	Synovial Fluid And Other Body Fluids	Crystals	Sediment preparation and examination under polarized light for crystals	NA
104	CLINICAL PATHOLOGY	Urine	Phase Contrast Microscopy For Dysmorphic RBCs	Centrifuged sediment Examination under phase contrast microscopy	NA
105	CLINICAL PATHOLOGY	Urine	Routine Analysis(Automated)	I. Macroscopy : 1. Colour 2. Appearance. II. Microscopy by Flow Cytometry: 1. RBCs 2. WBCs 3. Epithelial Cells 4. Bacilli 5. Casts	RBC: 8.7 WBC: 8.6 Epithelial Cells: 17.1 Bacilli: 8.4 Cast: 24



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106	CYTOPAT HOLOGY	Fluid Aspirated From Serosal Cavities. Urine Csf	Exfoliative Cytologic analysis	Centrifuged deposit smears (cytocentrifuge for clear fluids like urine and CSF) - Smear preparation (dry / wet fixed) - Stain (MGG / H&E / PAP) - Microscopic evaluation or whole slide imaging and interpretative report including presence / absence of malignancy, with recommendations (if any)	NA
107	CYTOPAT HOLOGY	Material Obtained From Palpable / Nonpalpable Lesions In The Body	Fine Needle Aspiration Cytology	Obtaining representative material by aspiration / non-aspiration technique, either as a blind procedure or under imaging guidance. - Preparation of smears (air dried / wet fixed) - Staining with MGG / H&E / PAP and any other special stains as found necessary - Microscopic study of stained slide or whole slide imaging and interpretative report with recommendations (if any)	NA
108	CYTOPAT HOLOGY	Slide With Smear (Stained)	Second Opinion Slides	Microscopic study or whole slide imaging and interpretative report with recommendations (if any)	NA



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109	CYTOPATHOLOGY	Smear From ECTO / ENDO Cervix / Vagina	PAP Smear study- Conventional smear	Obtaining representative material from the sites specified using cytobrush and spatula Preparation and Fixation of smear - Staining with PAP stain / H&E (in case of dried smears) - Microscopic study or whole slide imaging and interpretative report on lines of Bethesda System with recommendations (if any)	NA
110	CYTOPATHOLOGY	Smear From ECTO / ENDO Cervix / Vagina	PAP Smear study- Liquid based cytology	Obtaining representative material from the sites specified using cytobrush. Preparation and Fixation of smear in Preserve Cyt-C. Process in ThinPrep processor. Staining with PAP stain / H&E (in case of dried smears) - Microscopic study or whole slide imaging and interpretative report on lines of Bethesda System with recommendations (if any)	NA
111	CYTOPATHOLOGY	Smear From Tissue	Special Stains	Appropriate special stains like PAS, AFB, etc. Microscopic study of slides or whole slide imaging and interpretative report with recommendations (if any)	NA
112	HAEMATOLOGY & IMMUNOHAEMATOLOGY	Body Fluids	Total count and Differential cell count	Microscopy, Particle cell counter (Automated Flow cytometry), Cell type	NA



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113	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Absolute Basophil count	Automated Cell Counter: Flow cytometry method using semi-conductor laser	4.9
114	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Absolute Basophil count	Automated Cell Counter: Coulter Principle.	52.8
115	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Absolute Eosinophil count	Automated Cell Counter: Flow cytometry method using semi-conductor laser.	8.9
116	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Absolute Eosinophil count	Automated Cell Counter: Coulter Principle.	8.7
117	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Absolute Lymphocyte count	Automated Cell Counter: Flow cytometry method using semi-conductor laser	4.8
118	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Absolute Lymphocyte count	Automated Cell Counter: Coulter Principle.	4.4



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119	HAEMATOLOGY & IMMUNOHAEMATOLOGY	EDTA Blood	Absolute Monocytes count	Automated Cell Counter: Coulter Principle.	12.7
120	HAEMATOLOGY & IMMUNOHAEMATOLOGY	EDTA Blood	Absolute Monocytes count	Automated Cell Counter: Flow cytometry method using semiconductor laser / Coulter Principle.	9.1
121	HAEMATOLOGY & IMMUNOHAEMATOLOGY	EDTA Blood	Absolute Neutrophil count	Automated Cell Counter: Coulter Principle.	2.6
122	HAEMATOLOGY & IMMUNOHAEMATOLOGY	EDTA Blood	Absolute Neutrophil count	Automated Cell Counter: Flow cytometry method using semiconductor laser.	4.1
123	HAEMATOLOGY & IMMUNOHAEMATOLOGY	EDTA Blood	Differential WBC count Neutrophils% Lymphocytes% Eosinophils % Monocytes% Basophils % Blasts% Promyelocytes % Myelocytes% Metamyelocytes% Band forms% Lymphoid cells%	Automated Cell Counter: Flow cytometry method using semiconductor laser	Neutrophils: 3.0, Lymphocytes:3.9, Eosinophils:8.8, Monocytes:8.5, Basophils:3.5



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124	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Differential WBC count Neutrophils%Lymphocytes%Eosinophils%Monocytes%Basophils%Blasts % Promyelocytes % Myelocytes % Metamyelocytes % Band forms % Lymphoid cells	Coulter Principle	6.8, 5.9, 18.4, 12.5, 51.1
125	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Hemoglobin	Cell counter SLS method	1.2
126	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Immature platelet fraction	Fluorescence based Flow Cytometry	2.9
127	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Mean corpuscular hemoglobin (MCH)	Calculated from hemoglobin and RBC count	1.1
128	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Mean corpuscular hemoglobin concentration (MCHC)	Calculated from hemoglobin and HCT count	1.9



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129	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Mean corpuscular volume (MCV)	Particle cell counter Calculated from RBC and HCT	1.5
130	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Nrbc	Automated Cell Counter: Flow cytometry method using semi-conductor laser	NA
131	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Packed cell volume (PCV)	Calculated from RBC and MCV	1.1
132	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Platelet count	Electrical impedance, Flowcytometry for optical platelet count	5.4
133	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	RDW - CV	Calculated	1.1
134	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Reticulocyte count	FlowCytometry	5.8



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135	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Total leukocyte count	Particle cell counter: Flow cytometry method using semi-conductor laser	2.8
136	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood / Unstained Smears	Sudan Black B	Cytochemical stain; Light microscopy with interpretation	NA
137	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood/Smears	MPO	Cytochemical Stain	NA
138	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Sodium Citrate Blood	Lupus anticoagulant Screening and Confirmatory	Dilute Russel viper venom test	13.66.9
139	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Sodium Heparin/Unstained smears	LAP Score	Cytochemical stain	NA
140	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Blood/ Sodium Heparin	Nitroblue Tetrazolium Reduction test for work up of Primary immunodeficiency	Free radical mediated NBT dye reduction	NA



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141	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Body Fluids	Differential count	Neubauer chamber	NA
142	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Body Fluids	Total leukocyte count	Neubauer chamber	NA
143	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Bone Marrow	Bone marrow trephine biopsy	Processing of tissue, paraffin block, H&E and other relevant stain on sections and microscopy	NA
144	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Bone Marrow Smears / Aspirate	Bone marrow slides study	Staining with MGG stain and other relevant stains and microscopic evaluation	NA
145	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Blood	Activated Partial thromboplastin time	Photo Optical clot detection method	3.6
146	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Blood	Activated Partial thromboplastin time	Clot detection (manual method)	NA



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147	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Blood	Activated Protein C Resistance	Clot detection	26.9
148	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Blood	Mixing studies	Coagulometer assisted manual method	NA
149	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Blood	Prothrombin time	Quicks method (automated) - Photo Optical clot detection method	7.4
150	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Blood	Prothrombin time	Clot detection manual method	NA
151	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Plasma	Anti Thrombin III	Chromogenic	19.3
152	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Plasma	Factor VIII	Clot detection	12.9



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153	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Plasma	Protein C	Chromogenic	12.6
154	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Plasma	Protein S	Immunoturbidimetric	10.7
155	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Citrate Plasma	Von Willibrand factor antigen	Immunotubidimetric	5.9
156	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Blood group and Rh typing	Agglutination Gel Method (Solid phase)	NA
157	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Coombs test – Direct	Direct agglutination' Gel method (solid phase)	NA
158	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	DU test	Gel method	NA



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159	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	ESR	Red cell aggregation by Kinetic photometry	8.5
160	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	ESR	Westegren method	NA
161	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	G6PD Quantitative	UV kinetic	17.5
162	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Hemoglobin	Photometric method	0.8
163	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Mean corpuscular hemoglobin (MCH)	Calculated from hemoglobin and RBC count	1.2
164	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Mean corpuscular hemoglobin concentration (MCHC)	Calculated from hemoglobin and HCT count	1.3



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165	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Mean corpuscular volume (MCV)	Derived from RBC histogram	0.5
166	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Microfilaria parasite	Microscopy, QBC, Wet mount preparation and Knott's concentration method	NA
167	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Nrbc	Coulter Principle	NA
168	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Packed cell volume (PCV)	Electrical impedance	2.9
169	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Peripheral Smear	Automated Smear and Stain/Microscopy	NA
170	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Platelet count	Coulter Principle	2.7



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171	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	RBC count	Electrical impedance	2.1
172	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	RBC count	Coulter Principle	1.1
173	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	RDW - CV	Calculated	1.3
174	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Reticulocyte count	Supravital staining and smear study	NA
175	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Sickling test	Incubation with E.Coli induces hypoxic state in vitro, and microscopic examination	NA
176	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood	Total leukocyte count	Coulter Principle	2.4



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177	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood & Serum	HAMS test	Acidified serum lysis	NA
178	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood / Smear	Malarial parasite with index	Fluorescence based detection – Parasight (BD) and QBC	NA
179	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood / Smear	Malarial parasite with index	Stained smear microscopy	NA
180	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood / Smear	Peripheral smear examination	Manual staining and microscopy	NA
181	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood/Serum	Anti A Titre	Column Agglutination	NA
182	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	EDTA Blood/Serum	Anti B Titre	Column Agglutination	NA



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183	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Heparin Blood	Osmotic fragility	By lysis in hypotonic saline	NA
184	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Serum	Coombs test – Indirect	Agglutination Gel method (solid phase) Manual Method	NA
185	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Serum	Cryoglobulins	Screening manual method	NA
186	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Serum & EDTA Blood	Cold agglutinins	Screening manual method	NA
187	HAEMAT OLOGY & IMMUNOH AEMATOL OGY	Whole Blood Without Anticoagulants	Clot Retraction	Macfarlane's method	NA



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188	HISTOPATHOLOGY	Biopsy In Formalin Kidney/Liver / Lymph Node/Bone Marrow Biopsy Other Excised Or Biopsied Tissues From Various Organs And Tissues Of The Body.Foetus/Abortus	Histopathology report	Fixation of tissue, Gross description and sampling of representative tissue, processing through graded chemicals, paraffin impregnation and blocks, microtomy, stain with H&E and other appropriate special stains. Microscopic study of slides or whole slide imaging and interpretative report with recommendations (if any)	NA
189	HISTOPATHOLOGY	Paraffin Block From Processed Tissue	Second Opinion of Histopathology report	Microtomy, staining with H&E and other appropriate special stains, microscopic study or whole slide imaging and interpretative report with recommendations (if any)	NA
190	HISTOPATHOLOGY	Section From Paraffin Embedded Tissue	Specific histochemical stains (ancillary to H&E stain)	Appropriate special stains like PAS, MAT, Jones etc. Microscopic study of slides or whole slide imaging and interpretative report with recommendations (if any)	NA
191	HISTOPATHOLOGY	Slide With Stained / Unstained Section	Second Opinion of Histopathology report	Microscopic study of stained slide or whole slide imaging and interpretative report with recommendations (if any)	NA
192	HISTOPATHOLOGY	Unfixed Tissue Biopsy	Frozen Section	Cryostat sections, staining with H&E and Toluidine Blue, Microscopic study and Interpretative report	NA
193	MICROBIOLOGY & SEROLOGY	Bacterial/Yeast/Moulds Pathogens	Identification	MALDI-TOF	NA



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194	MICROBIOLOGY & SEROLOGY	Fungal Pathogens (Yeasts)	Fungal Identification and anti fungal Susceptibility Testing	Identification by colony characteristics and microscopy, manual/automated method	NA
195	MICROBIOLOGY & SEROLOGY	Bacterial Pathogens	Antibiotic Susceptibility Testing	1.Automated identification & sensitivity 2.Manual sensitivity by Kirby-Bauer disc diffusion method	NA
196	MICROBIOLOGY & SEROLOGY	Bacterial Pathogens	Identification	Identification by colony characteristics and microscopy	NA
197	MICROBIOLOGY & SEROLOGY	BLOOD in Culture Broth, Pus, Swab, Body Fluids, Tissue, Other Fluids, Tips (ET, CVP)	Anaerobic culture	Culture in Robertson Cooked Meat Medium Incubation in Anaerobic jar Identification using anaerobic cassette Vitek 2 Compact	NA
198	MICROBIOLOGY & SEROLOGY	Blood, Sputum, Body Fluids, Corneal Scrapings/ Button, Urine, Tips (ET, CVP), Nail, Skin and Hair, Inoculated Plates, Stool, Media	Fungal Culture	Culture on Sabaraud Dextrose Agar/ DTM/Chromagar	NA
199	MICROBIOLOGY & SEROLOGY	Blood/Bone Marrow in Culture Broth	Aerobic Culture	Culture in liquid broth(automated) / manual blood bottles with subculture on basic media plates.	NA



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200	MICROBIOLOGY & SEROLOGY	CSF	Cryptococcus	India Ink Preparation	NA
201	MICROBIOLOGY & SEROLOGY	CSF	Modified VDRL	Flocculation	NA
202	MICROBIOLOGY & SEROLOGY	CSF, Pus, Sputum, Bronchial Wash, Body Fluids, Tissue, Bone Marrow Aspirate, Biopsy, Endometrial Tissue Aspirate, Lymphnode, Semen)	Mycobacterium TB Culture	Culture: a. Culture on LJ slopes b. Rapid culture by Colorimetry c. MPT 64 Rapid card immunochromatography	NA
203	MICROBIOLOGY & SEROLOGY	CVP TIP	Aerobic Culture	Culture on basic media plates	NA
204	MICROBIOLOGY & SEROLOGY	Hair, Nail, Skin Scrapings, Sputum, Body Fluids, Corneal Scrapings, Urine, Pus, Tips, ET Secretions, Tissue, Bone)	Fungal Smear(KOH Wet Mount/ Gram stain)	Light Microscopy	NA



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205	MICROBIOLOGY & SEROLOGY	Pus, Body Fluids, Sputum, Swabs, Corneal Scrapings/ Button, Tissues, Semen, Inoculated Plate, Other Catheter Tips	Aerobic Culture	Culture on basic media plates.	NA
206	MICROBIOLOGY & SEROLOGY	Samples to be tested (Respiratory samples, Swabs)	a. Modified Z N Stainb. Auramine Fluorescence c. Gram stain	Light Microscope/ Fluorescent Microscope	NA
207	MICROBIOLOGY & SEROLOGY	Serum	Brucella Antibody	Tube Agglutination	NA
208	MICROBIOLOGY & SEROLOGY	Serum	Heterophile antibodies for IM	Slide Agglutination	NA
209	MICROBIOLOGY & SEROLOGY	Serum	Typhoid IgM Antibody	Immunochromatography	NA
210	MICROBIOLOGY & SEROLOGY	Serum	Weil Felix	Tube Agglutination	NA



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211	MICROBIOLOGY & SEROLOGY	Serum	WIDAL	Tube Agglutination	NA
212	MICROBIOLOGY & SEROLOGY	Serum / CSF	Treponema Pallidum hemagglutination (TPHA)	Hemagglutination	NA
213	MICROBIOLOGY & SEROLOGY	Serum / CSF	RPR	Slide Flocculation	NA
214	MICROBIOLOGY & SEROLOGY	Serum/ Plasma(EDTA, Heparin, Citrate)	Chikungunya IgM Antibody	Rapid Chromatographic Immunoassay	NA
215	MICROBIOLOGY & SEROLOGY	Sputum / Bronchial wash	Calcofluor White	Fluorescent Microscopy	NA
216	MICROBIOLOGY & SEROLOGY	Sputum, Throat swab, Pus, Corneal scrapings, Body fluid, Tissue, Urethral discharge, Genital discharge, Urine, Prepared smear, ET secretions	Gram Stain	Light Microscopy	NA



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217	MICROBIOLOGY & SEROLOGY	Stool	Aerobic Culture	Culture on XLD agar plates/Selenite F broth & alkaline peptone water / TCBS agar plate	NA
218	MICROBIOLOGY & SEROLOGY	Stool	Hanging drop and Mono stain with safranin	Light Microscope	NA
219	MICROBIOLOGY & SEROLOGY	Stool	Calprotectin	Immuno chromatography	NA
220	MICROBIOLOGY & SEROLOGY	Stool	Clostridium difficileGDH, Toxin A and Toxin B	Immuno chromatography	NA
221	MICROBIOLOGY & SEROLOGY	Throat swab	Albert Stain	Light Microscopy	NA
222	MICROBIOLOGY & SEROLOGY	Urine, BAL, ET Secretion	Aerobic Culture	SemiQuantitative Culture on basic media plates	NA



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223	MICROBIOLOGY & SEROLOGY	Urine, Pus, Sputum, Bronchial wash, Body fluids, Tissue, ET secretions, FNAC, Surgical biopsy aspirate, Prepared and Stained/ Unstained smear slide	a. Auramine Fluorescence b. Ziehl Neelsen Method	Fluorescent Microscopy / Light Microscopy	NA