




 A.J.HOSPITAL & RESEARCH CENTRE, MANGALURU	QUALITY SYSTEM MANAGEMENT		Issue No: 01
	PROCEDURE		Issue Date: 9/01/2025
	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date:
			Page 1 of 15





Section: BIOCHEMISTRY


S.No	Test Code	Test Name	Test components	Specimen type	Sample Container	Sample Volume	STD. TAT	Interim Emergency TAT
1	LA BC 003	24 Hour Urine Creatinine	Quantitation of 24 hours Creatinine in urine	Urine	Sterile Screw cap container	10-30 ml	2 hours	1hr 15 min
2	LA BC 007	24 Hour Urine Protein	Quantitation of 24 hours Protein in urine	Urine	Sterile Screw cap container	10-30 ml	2 hours	1hr 15 min
3	LA BC 011	Albumin - Serum	Quantitation of Albumin	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
4	LA BC 012	Alkaline Phosphatase- Serum	Quantitation of Alkaline phosphatase	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
5	LA BC 013	Amylase - Serum	Quantitation of Amylase	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
6	LA BC 018	Blood Glucose (Fasting) - Plasma	Quantitation of fasting blood glucose	Fluoride Plasma	Sodium fluoride tube (Grey top)	2 ml	2 hours	1hr 15 min
7	LA BC 019	Blood Glucose (Post prandial) -Plasma	Quantitation of post prandial blood glucose (2nd hr)	Fluoride Plasma	Sodium fluoride tube (Grey top)	2 ml	2 hours	1hr 15 min

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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date:
			Page 2 of 15


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8	LA BC 020	Blood Glucose (Random)- Plasma	Quantitation of random blood glucose	Fluoride Plasma	Sodium fluoride tube (Grey top)	2 ml	2 hours	1hr 15 min
9	LA BC 021	Blood Urea- Serum	Quantitation of blood urea	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
10	LA BC 022	Blood Urea Nitrogen - Serum	Quantitation of blood urea nitrogen	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
11	LA BC 023	Calcium - Serum	Quantitation of calcium	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
12	LA BC 024	Chloride - Serum	Quantitation of Chloride	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
13	LA BC 026	Cholesterol Total - Serum	Quantitation of total cholesterol	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
14	LA BC 027	Ck-mb - Serum	Quantitative determination of the MB isoenzyme of Creatine kinase (CK-MB)	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
15	LA BC 028	Cpk - Serum	Quantitation of creatinine phospho kinase	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min

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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date:
			Page 3 of 15


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16	LA BC 030	Creatinine - Serum	Quantitation of creatinine	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
17	LA BC 031	Creatinine - Urine	Quantitation of creatinine in random urine	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
18	LA BC 032	Electrolytes(Na, K, Cl) - Serum	Quantitation of Na, K & Cl	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
19	LA BC 033	Glucose Challenge Test (GCT)	Screening of gestational diabetes mellitus	Fluoride Plasma	Sodium fluoride tube (Grey top)	2 ml	2 hours	1hr 15 min
20	LA BC 034	Gama G T (GGT) - Serum	Quantitation of Gamma-Glutamyl Transferase	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
21	LA BC 038	Glycosylated Haemoglobin (HbA1C)	Quantitative measurement of percent Hemoglobin A1C	Whole blood	K2 EDTA (Lavender top)	3 ml	2 hours	1hr 15 min
22	LA BC 039	Hdl Cholesterol - Serum	Quantitation of high density lipoprotein	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
23	LA BC 042	Ldh Total Serum	Quantitation of lactate dehydrogenase	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min

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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date:
			Page 4 of 15


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24	LA BC 043	LDL Cholesterol - serum	Quantitation of low density lipoprotein	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
25	LA BC 044	Lipid Profile - Serum	Total cholesterol, Triglycerides, HDL, LDL, VLDL, HDL/LDL Ratio, Cholesterol/HDL Ratio	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
26	LA BC 045	Liver Function Test- Serum	Bilirubin Total, Bilirubin Direct, Bilirubin Indirect, Protein, Albumin, Globulin, Alb/Glob Ratio, AST/SGOT, ALT/SGPT, ALP, GGT	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
27	LA BC 046	Magnesium - Serum	Quantitation of Magnesium	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
28	LA BC 049	Phosphorous - Serum	Quantitation of Phosphorus	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
29	LA BC 050	Potassium - Serum	Quantitation of Potassium	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
30	LA BC 053	Protein - urine Spot	Quantitation of Protein in random urine	Urine	Sterile Screw cap container	10-30 ml	2 hours	1hr 15 min

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	PROCEDURE		Issue Date: 9/01/2025
	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date: Page 5 of 15


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31	LA BC 054	Protein - Creatinine ratio	Urine Protein, Urine creatinine, Prot/creat ratio	Urine	Sterile Screw cap container	10-30 ml	2 hours	1hr 15 min
32	LA BC 057	SGOT ast - Serum	Quantitation of AST/SGOT	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
33	LA BC 058	SGPT alt - Serum	Quantitation of ALT/SGPT	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
34	LA BC 059	Sodium - Serum	Quantitation of Sodium	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
35	LA BC 061	Total Protein - Serum	Quantitation of protein, albumin, globulin, Alb/Glob ratio	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
36	LA BC 062	Triglycerides - Serum	Quantitation of triglycerides	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
37	LA BC 063	Troponin I - Serum	Quantitative determination of Cardiac troponin I	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
38	LA BC 064	Uric Acid - Serum	Quantitation of uric acid	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min

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	PROCEDURE		Issue Date: 9/01/2025
	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date:
			Page 6 of 15





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39	LA BC 017	Bilirubin - Serum	Quantitation of T.bilirubin, D.bilirubin, I.bilirubin	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
40	LA BC 083	Iron, serum	Colorimetric determination of Iron without deproteinization	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
41	LA BC 089	Lipase level, serum	Quantitation of Lipase	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
42	LA BC 091	Renal Function Test	Blood Urea, Blood urea nitrogen, creatinine, Uric acid	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
43	LA BC 408	Iron studies (Serum)	Iron, TIBC, UIBC, Transferrin saturation	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
44	LA BI 923	Bicarbonate - Serum	Quantitation of carbon dioxide	Serum	Red top (Clot activator)	3-4 ml	2 hours	1hr 15 min
45	LA BC 036	Glucose Tolerance Test	Determination of Glucose level after oral glucose consumption	Fluoride Plasma (refer sample collection instruction)	Sodium fluoride tube (Grey top)	2 ml	5 hours	-


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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date:
			Page 7 of 15





Section: IMMUNO-ASSAY


S.No	Test Code	Test Name	Test components	Specimen type	Sample container	Sample Volume	STD. TAT	Interim Emergency TAT
1	LA IA 001	Free T3 - Serum	Free T3 determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
2	LA IA 002	Free T4 - Serum	Free T4 determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
3	LA IA 003	T 3	Total T3 determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
4	LA IA 004	T 4	Total T4 determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
5	LA IA 005	TSH - serum	TSH determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
6	LA IA 006	Thyroid Panel 1 (T3, T4, TSH)	T3,T4 & TSH	Serum	Red top (Clot activator)	4 ml	2.5 hours	1hr 45 min
7	LA IA 007	Thyroid Panel 2 (FT3, FT4, TSH)	FT3, FT4 & TSH	Serum	Red top (Clot activator)	4 ml	2.5 hours	1hr 45 min
8	LA IA 008	LH - Leutinizing Hormone - Serum	LH determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min

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	PROCEDURE		Issue Date: 9/01/2025
	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date: Page 8 of 15





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9	LA IA 009	FSH - Serum	FSH determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
10	LA IA 011	Prolactin - Serum	Prolactin determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
11	LA IA 013	Cortisol - Serum	Cortisol determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
12	LA IA 016	Testosterone Total -Serum	Testosterone Total determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
13	LA IA 017	Beta HCG - Serum	Beta human chorionic gonadotrophin determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min
14	LA IA 010	FSH, LH, Prolactin- Serum	FSH, LH & Prolactin	Serum	Red top (Clot activator)	5 ml	2.5 hours	1hr 45 min
15	LA IM 072	25 Hydroxy Cholecalciferol (VitaminD3)	25-hydroxy vitamin D determination	Serum	Red top (Clot activator)	3-4 ml	2.5 hours	1hr 45 min

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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date: Page 9 of 15

Section: HEMATOLOGY

S.No	Test Code	Test Name	Test components	Specimen type	Sample container	Sample Volume	STD. TAT	Interim Emergency TAT
1	LA HE 001	Blood - A.P.T.T- Plasma	Partial thromboplastin time	Citrate Plasma	Sodium citrate tube (Blue top)	3 ml	2 hours	1hr 15 min
2	LA HE 010	Blood - Haemoglobin	Haemoglobin %	Whole blood	K2 EDTA (Lavender top)	3 ml	1 hours	1hr 15 min
3	LA HE 013	Blood - PCV	Packed cell volume	Whole blood	K2 EDTA (Lavender top)	3 ml	1 hours	1hr 15 min
4	LA HE 015	Blood - Platelet count	Platelet count	Whole blood	K2 EDTA (Lavender top)	3 ml	2 hours	1hr 15 min
5	LA HE 016	Blood - Prothrombin Time - Plasma	Prothrombin time	Citrate Plasma	Sodium citrate tube (Blue top)	3 ml	2 hours	1hr 15 min
6	LA HE 018	Blood - Reticulocytes	Reticulocyte count	Whole blood	K2 EDTA (Lavender top)	3 ml	2 hours	1hr 15 min
7	LA HE 019	Blood - Routine (CBC)	Complete Blood counts- Hb,RBC,PCV,MCV,MCH,MCHC,RDW,TC,DC,Differential Absolute counts,Platelet count,NRBC,MPV.	Whole blood	K2 EDTA (Lavender top)	3 ml	2 hours	1hr 15 min

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Issue No: 01

Issue Date: 9/01/2025

NABL SCOPE OF TESTING

Amend No:00

Amend Date:

Page 10 of 15

S.No	Test Code	Test Name	Test components	Specimen type	Sample Container	Sample Volume	STD. TAT	Interim Emergency TAT
8	LA HE 020	Blood - Total Count (TC)	total WBC count	Whole blood	K2 EDTA (Lavender top)	3 ml	2 hours	1hr 15 min
9	LA HE 021	Blood - TC, DC	total and differential WBC count	Whole blood	K2 EDTA (Lavender top)	3 ml	2 hours	1hr 15 min
10	LA HE 014	Blood - Peripheral Smear	Microscopic description	Whole blood	K2 EDTA (Lavender top)	3 ml	4 hours	3 hour 15min(Emergency approval TAT)

Section: CLINICAL PATHOLOGY

S.No	Test Code	Test Name	Test components	Specimen type	Sample container	Sample Volume	STD. TAT	Interim Emergency TAT
1	LA PT 011	Stool - Fatglobulins	Fatglobulins in stool	Stool	Sterile screw cap container	2-5 gms	3 hours	2 hours
2	LA PT 012	Stool - for Reducing Substance	Reducing substance in stool	Stool	Sterile screw cap container	2-5 gms	3 hours	2 hours
3	LA PT 014	Stool - Occult Blood	Occult blood in stool	Stool	Sterile screw cap container	2-5 gms	3 hours	2 hours
4	LA PT 015	Stool - Routine	physical, chemical and microscopic findings in stool	Stool	Sterile screw cap container	2-5 gms	3 hours	2 hours

**Prepared by : Deputy
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Approved By: Lab Director





Dr. Roopa Bhandary


**Issued by : Quality
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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date: Page 11 of 15

S.No	Test Code	Test Name	Test components	Specimen type	Sample Container	Sample Volume	STD. TAT	Interim Emergency TAT
5	LA PT 018	Urine - Albumin	Albumin in urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours
6	LA PT 019	Urine - Bile Pigment & Salts	Bile salt & Bile pigment n urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours
7	LA PT 023	Urine - For Fatglobulin	Fatglobulins in urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours
8	LA PT 024	Urine - for Urobilinogen	Urobilinogen in urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours
9	LA PT 025	Urine - Ketone Bodies	Ketone bodies in urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours
10	LA PT 027	Urine - Ph	urine pH	Urine	Screw cap container	20-30 ml	3 hours	2 hours
11	LA PT 029	Urine - Reducing Substances	Reducing substance in urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours





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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date: Page 12 of 15

S.No	Test Code	Test Name	Test components	Specimen type	Sample Container	Sample Volume	STD. TAT	Interim Emergency TAT
12	LA PT 030	Urine - Specific Gravity	Urine specific gravity	Urine	Screw cap container	20-30 ml	3 hours	2 hours
13	LA PT 031	Urine - Sugar	Sugar in urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours
14	LA PT 035	Urine Analysis Routine	physical, chemical and microscopic findings in urine	Urine	Screw cap container	20-30 ml	3 hours	2 hours

Section: SEROLOGY

S.No	Test Code	Test Name	Test componenets	Specimen type	Sample Container	Sample Volume	STD. TAT	Interim Emergency TAT
1	LA SE 002	HBsAg - Serum	Screening test for Qualitative detection of Hepatitis B surface antigen	Serum	Red top (Clot activator)	3-4 ml	3 hours	1hr 45 min
2	LA SE 003	HCV - Serum	Screening test for Qualitative detection of antibody to Hepatitis C virus	Serum	Red top (Clot activator)	3-4 ml	3 hours	1hr 45 min





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	NABL SCOPE OF TESTING		Amend Date: Page 13 of 15

S.No	Test Code	Test Name	Test components	Specimen type	Sample Container	Sample Volume	STD. TAT	Interim Emergency TAT
3	LA SE 004	HIV - Serum	Screening test for simultaneous qualitative detection of HIV p24 antigen and antibodies to HIV type1 and/or type2 (HIV1/HIV2)	Serum	Red top (Clot activator)	3-4 ml	3 hours	1hr 45 min
4	LA BC 067	CRP Quantitative - serum	Quantitative determination of C-Reactive Protein	Serum	Red top (Clot activator)	3-4 ml	2 hours	1 hour 15 min
5	LA BC 075	ASO (Quantitative), Serum	Quantitative determination of Antistreptolysin-O	Serum	Red top (Clot activator)	3-4 ml	2 hours	1 hour 15 min
6	LA SE 006	RA Test - Serum	Quantitative determination of Rheumatoid Factors	Serum	Red top (Clot activator)	3-4 ml	2 hours	1 hour 15 min





Section: MICROBIOLOGY


S.No	Test Code	Test Name	Test componenets	Specimen type	Sample Container	Sample Volume	STD.T AT	Emergency TAT
1	LA MB 001	AFB Smear	Identification of acid fast bacilli	Sputum/Bod y fluid	Sterile screw cap container	3 ml	2 hours	2 hours

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	AJ/LS/QSP/M		Amend No:00
	NABL SCOPE OF TESTING		Amend Date: Page 14 of 15

S.No	Test Code	Test Name	Test components	Specimen type	Sample Container	Sample Volume	STD.T AT	Interim Emergency TAT
2	LA MB 005	Culture & Sensitivity - Blood	Identification of pathogens & their sensitivity	Whole blood	Bact alert plus bottle (adult/pediatric)	8-10 ml for adult/ 3-5 ml for pediatric	5 days	-
3	LA MB 006	Culture & Sensitivity - Body fluids	Identification of pathogens & their sensitivity	Body fluid	Sterile screw cap container	2-3 ml	3 days	-
4	LA MB 007	Culture & Sensitivity - CSF	Identification of pathogens & their sensitivity	CSF	Sterile screw cap container	2 ml	3 days	-
5	LA MB 009	Culture & Sensitivity - Pus	Identification of pathogens & their sensitivity	Pus/Pus swab	Sterile screw cap container/ sterile swab stick	2 ml / 1 swab	3 days	-
6	LA MB 010	Culture & Sensitivity - Sputum	Identification of pathogens & their sensitivity	Sputum	Sterile screw cap container	1-5ml	3 days	-
7	LA MB 011	Culture & Sensitivity - Stool	Identification of pathogens & their sensitivity	Stool	Sterile screw cap container	2gms	3 days	-
8	LA MB 012	Culture & Sensitivity - Swab	Identification of pathogens & their sensitivity	any swab	sterile swab stick	1 swab	3 days	-

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	NABL SCOPE OF TESTING		Amend Date: Page 15 of 15

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9	LA MB 013	Culture & Sensitivity - Urine	Identification of pathogens & their sensitivity	Urine	Sterile screw cap container	10 ml	3 days	-
10	LA MB 019	Culture & Sensitivity - Tissue/Bone	Identification of pathogens & their sensitivity	Tissue/bone	Sterile screw cap container	as per the sample	3 days	-
11	LA MB 014	Gram's Stain-Body fluid	Identification of organisms	Body fluid/any other sample	Sterile screw cap container	1-2 ml	3 hours	2 hours
				CSF			2 hours	2 hours
12	LA SE 007	RPR Test With Titre-SERUM	Detection of syphilis	Serum	Red top (Clot activator)	3-4 ml	3 hours	1hr 30 min
13	LA SE 008	Widal Test - Serum	Detection of O,H,AH,BH agglutinins for Salmonella infection	Serum	Red top (Clot activator)	3-4 ml	1 day	-

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