DIRECTORY OF SERVICES

St. John's Laboratory Services

St. John's Medical College and Hospital

St. John's National Academy of Health Sciences

Bengaluru -560034

Karnataka

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RELEASE AUTHORIZATION

The Directory of Services for is released under the author ty Dr. Arvind Kasthuri, Chief of Medical Services and Dr. Sitalakshmi S, Associate Medical Superintendent of St. John's Laboratory Services, St. John's Medical College and Hospital and is the property of St. John's Laboratory Services, St. John's Medical College and Hospital, St. John's National Academy of Health Sciences, Bangalore-560034, Karnataka.

Dr. Sitalakshmi S
Associate Medical Superintendent
St. John's Laboratory Services.
Date: 29/04/2024

Dr. Arvind Kasthuri
Chief of Medical Services
SJMCH.

INTRODUCTION

St. John's Laboratory Services (SJLS) is a well-equipped clinical testing laboratory which offers services to patients of SJMCH. It receives more than 1500 subjects per day and is categorized as a very large laboratory.

SJLS constitutes the following sections: Clinical Biochemistry, Clinical Pathology (Inclusive of Clinical Pathology Hematology, Immunohematology and Flow Cytometry), Microbiology & Infectious disease serology (inclusive of Microbiology, Infectious disease serology, Molecular testing for Infectious disease), Pathology (inclusive of Histopathology and Cytopathology), Division of Molecular Biology and Genetics,

The various sections of SJLS are located within the campus of St. John's Medical College and Hospital, St. John's Medical College, and St. John's Research Institute. The OPD sample collection area (in hospital ground floor, OPD block, Super Speciality Block-B and St John's Geriatric Centre), FNAC (Fine needle aspiration cytology) clinic of Pathology, Laboratory sample reception (IP and OP), Clinical Biochemistry, Clinical Pathology (Inclusive of Clinical Pathology Hematology, Immunohematology and Flow Cytometry), Microbiology and Infectious Disease Serology, Histopathology and Cytopathology, Division of Molecular Biology and Genetics are in the hospital premises. Two sections of Microbiology & Infectious disease serology (i.e. Mycobacteriology laboratory and Mycology laboratory) are in the Medical College premises. One section of Microbiology and Infectious disease serology (i.e. molecular testing laboratory for infectious diseases) is located in St. John's Research Institute.

Directory of Services contains information on the diagnostic tests that are provided by SJLS. It encompasses all the diagnostic tests irrespective of the accreditation status.

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COLOUR CODING / TYPE OF SAMPLE TUBE / CONTAINERS

Sl. No.	Description of the container	Details	Sample
1.	Serum separator tube (golden yellow cap)	Clot Activator/ Gel	Serum
2.	Red cap Vacutainer	No anticoagulant	Serum
3.	Lavender cap Vacutainer	EDTA	Whole blood/ Plasma
4.	Green cap Vacutainer (Lithium)	Heparin	Whole blood/Plasma
5.	Green cap Vacutainer (Sodium)	Heparin (For Division of Molecular Biology Genetics)	Whole Blood
6.	Blue cap Vacutainer	CITRATE	Plasma
7.	Blood Culture bottle	Contains broth	Blood Culture
8.	Disposable Plastic transparent containers		Urine / Semen analysis/pleural effusion/fresh tissue
9.	Sterile Plastic transparent containers		Urine / Sputum / Tissue Culture
10.	Sterile bottle		Urine for Mycobacterial culture
11.	Disposable Plastic red containers	-	Stool Culture
12.	Sterile swab stick	-	Swab culture
13.	Plastic can with preservative	Preservative as specified for the test	Urine
14.	Plastic can without preservative	-	Urine

Note: For more details regarding the collection of samples and the type of tests, refer to particular sections of Primary Sample Collection Manual, Soft copy available at all nursing stations of SJMCH

TESTS DONE IN CLINICAL BIOCHEMISTRY SECTION, SJMCH

Tests under scope of NABL accreditation

a) Blood and Urine

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
1	LBIO_10604	FBS *10-12 hours Fasting	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	6 hours
2	LBIO_10885	PPBS	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	6 hours
3	LBIO_10884	RBS	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	6 hours
4	LBIO_10608	Urea	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Urease GLDH Coupled	2 hours	6 hours
5	LBIO_10575	Creatinine	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Kinetic Alkaline Picrate	2 hours	6 hours
6	LBIO_10611	Uric Acid	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Uricase	2 hours	6 hours
7	LBIO_10564	Calcium *minimal venous occlusion	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Arsenazo III	2 hours	6 hours

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
8	LBIO_10594	Phosphorus	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Phosphomolybdate	2 hours	6 hours
9	LBIO_10593	Magnesium	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Enzymatic-Isocitrate dehydrogenase	2 hours	6 hours
10	LBIO_10568	Cholesterol	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Enzymatic, CHOD-POD	2 hours	6 hours
11	LBIO_10569	HDL Cholesterol	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Accelerator Selective Detergent, Cholesterol oxidase/Esterase	2 hours	6 hours
12	LBIO_10570	LDL Cholesterol	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Measured liquid selective detergent, Cholesterol oxidase/Esterase	2 hours	6 hours
13	LBIO_10607	Triglycerides*12 hours Fasting	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Glycerol Phosphate Oxidase	2 hours	6 hours
14	LBIO_10597	Total Proteins & Albumin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Biuret & Colorimetric-BCG	2 hours	6 hours
15		A/G Ratio	Blood-GYV-4mL					Calculated Parameter		
16	LBIO_10559	Bilirubin Total & Direct	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Diazonium salt & Diazo Reaction	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
17		Bilirubin - Indirect						Calculated Parameter		
18	LBIO_10614	AST(SGOT)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	NADH (without P-5' P) IFCC Recommended	2 hours	6 hours
19	LBIO_10615	ALT(SGPT)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	NADH (without P-5' P) IFCC Recommended	2 hours	6 hours
20	LBIO_10552	ALP	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Para- nitrophenyl Phosphate(p-NPP)	2 hours	6 hours
21	LBIO_10584	GGT	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	L- Gamma- glutamyl-3 carboxy- 4-nitroanilide Substrate	2 hours	6 hours
22	LBIO_10553	Amylase	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Enzymatic/Colorimetric- Ethylidene-4-NP-G7(4-Nitrophenol)	2 hours	6 hours
23	LBIO_10632	Lipase	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Quinone Dye	2 hours	6 hours
24	LBIO_10579	Creatine Phosphokinase (CPK)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	NAC(N-acetyl-L-cysteine)	2 hours	6 hours
25	LBIO_10590	LDH	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	IFCC Recommended Lactate to Pyruvate	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
26	LBIO_10635	Plasma Ammonia	Blood-LV-3mL	Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	Glutamate dehydrogenase	30 min (preferably on ice)	1 hr 30 min
27	LBIO_10986	Blood Alcohol	Blood-LV-4mL	Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	Alcohol Dehydrogenase	2 hours	6 hours
28	LBIO_10700	CRP	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Turbidimetric/Immunoturbidimetry	2 hours	6 hours
29	LBIO_10123	Iron	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Ferene	2 hours	6 hours
30		TIBC						Calculated Parameter		
31		% Saturation						Calculated Parameter		
32	LBIO_10751	ADA	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Colorimetric-Adenosine/PNP/XOD	2 hours	6 hours
33	LBIO_10582	Electrolytes	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
34	LBIO_10629	Bicarbonate	Blood-HS/GV-3mL	Whole Blood	Heparinized Syringe/Green Capped Vacutainer-Heparin	4 mL	24/7	Calculated Parameter	30 min (preferably on ice)	20 min

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
35	LBIO_10650	Plasma Lactate	Blood-HS/GV-3mL	Whole Blood	Heparinized Syringe/Green Capped Vacutainer-Heparin	4 mL	24/7	Amperometry	30min (preferably on ice)	20 min
36	LBIO_10626	Ionised calcium	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Potentiometry	2 hours	6 hours
37	LBIO_10553	Amylase	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Enzymatic/Colorimetric- Ethylidene-4-NP-G7 (4-Nitrophenol)	2 hours	6 hours
38	LBIO_10632	Lipase	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Quinone Dye	2 hours	6 hours
39	LBIO_10602	Sodium	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
40	LBIO_10612	Potassium	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
41	LBIO_10613	Chloride	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
42	LBIO_10585	OGCT 50g glucose load *Sample collection: One hour after the glucose load	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
43	LBIO_10596	PP Glucose with 75g Glucose	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	6 hours
44	LBIO_10586	OGTT 75 g glucose load (2 samples) * First Sample: FBS (12 hours of fasting) Glucose load of 75 g should be dissolved in 150 – 200 ml of water before its consumption Second Sample: PPBS (2 hours after the glucose load)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	8 hours
45	LBIO_11155	OGTT 75 Gms, FBS,1hr,2hr	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	8 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
46	LBIO_10881	OGTT 75g glucose load (4 samples; FBS, 1h, 2h &3 h) * First Sample: FBS (12 hours of fasting) Glucose load of 100 g should be dissolved in 150 – 200 ml of water before its consumption; Other 3 samples subsequently	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Hexokinase/GLDH	2 hours	8 hours
47	LBIO_10882	Protein	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Benzethonium chloride	2 hours	6 hours
48	LBIO_10576	Creatinine	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Kinetic Alkaline Picrate	2 hours	6 hours
49	LBIO_10599	Protein / Creatinine Ratio	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Calculated Parameter	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
50	LBIO_11302	Albumin/Creatinine -Ratio	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Calculated Parameter	2 hours	6 hours
51	LBIO_10555	Amylase	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Enzymatic/Colorimetric- Ethylidene-4-NP-G7(4-Nitrophenol)	2 hours	6 hours
52	LBIO_10944	Calcium	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Arsenazo III	2 hours	6 hours
53	LBIO_10946	Phosphorus	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Phosphomolybdate	2 hours	6 hours
54	LBIO_10750	Urine Osmolality	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Freezing Point Depression	2 hours	6 hours
55	LBIO_10949	Magnesium	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Enzymatic-Isocitrate dehydrogenase	2 hours	6 hours
56	LBIO_10948	Uric Acid	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Uricase	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
57	LBIO_10567	Urine – Calcium, Phosphorus & Uric Acid	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Refer Individual test methodology	2 hours	6 hours
58	LBIO_10603	Sodium	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
59	LBIO_10952	Potassium	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
60	LBIO_10583	Chloride	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
61	LBIO_10625	Microalbumin	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Turbidimetric/Immunoturbidimetry	2 hours	6 hours
62	LBIO_11154	Urea	Urine-WOP-5mL	Urine	Sterile wide mouthed screw capped container	5 mL	24/7	Urease GLDH Coupled	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
63	LBIO_10598	Protein Total	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
64	LBIO_10966	Creatinine	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
65	LBIO_10967	Amylase	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
66	LBIO_10968	Calcium	Urine-BWP-24 hrs sample	Urine	Sterile Urine Can with 6N HCl	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
67	LBIO_10945	Phosphorus	Urine-BWP-24 hrs sample	Urine	Sterile Urine Can with 6N HCl	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
68	LBIO_10624	Magnesium	Urine-BWP-24 hrs sample	Urine	Sterile Urine Can with 11.7N HCl	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
69	LBIO_10947	Uric Acid	Urine-BWP-24 hrs sample	Urine	Sterile Urine Can with NaOH	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
70	LBIO_10950	Sodium	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
71	LBIO_10951	Potassium	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
72	LBIO_11151	Cortisol	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	24 hours
73	LBIO_10578	Creatinine Clearance	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Calculated Parameter	2 hours	6 hours
74	LBIO_10616	Glucose	CSF-RV-3mL	CSF	Red capped Vacutainer– Clot activator	3 mL	24/7	Hexokinase/GLDH	2 hours	6 hours
75	LBIO_10617	Protein	CSF-RV-3mL	CSF	Red capped Vacutainer– Clot activator	3 mL	24/7	Benzethonium chloride	2 hours	6 hours
76	LBIO_10618	Chloride	CSF-RV-3mL	CSF	Red capped Vacutainer– Clot activator	3 mL	24/7	Indirect ISE-ICT	2 hours	6 hours
77	LBIO_10965	ADA	CSF-RV-3mL	CSF	Red capped Vacutainer– Clot activator	3 mL	24/7	Colorimetric-Adenosine/PNP/XOD	2 hours	6 hours

b) Body Fluids										
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
77	LBIO_10954	Ascitic Fluid ADA	Ascitic fluid -RV-3mL	Ascitic Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Colorimetric-Adenosine/PNP/XOD	2 hours	6 hours
78	LBIO_10960	Pericardial Fluid ADA	Pericardial fluid -RV-3mL	Pericardial Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Colorimetric-Adenosine/PNP/XOD	2 hours	6 hours
79	LBIO_10956	Pleural Fluid ADA	Pleural fluid-RV-3mL	Pleural Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Colorimetric-Adenosine/PNP/XOD	2 hours	6 hours
80	LBIO_10957	Pleural Fluid Amylase	Pleural fluid-RV-3mL	Pleural Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Enzymatic/Colorimetric-Ethylidene-4-NP-G7 (4-Nitrophenol)	2 hours	6 hours
81	LBIO_10958	Pleural Fluid LDH	Pleural fluid-RV-3mL	Pleural Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	IFCC Recommended Lactate to Pyruvate	2 hours	6 hours
82	LBIO_10963	Dialysis Fluid Creatinine	Dialysis Fluid-RV-3mL	Dialysis Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Kinetic Alkaline Picrate	2 hours	6 hours
83	LBIO_10964	Dialysis Fluid Urea	Dialysis Fluid-RV-3mL	Dialysis Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Urease	2 hours	6 hours
84	LBIO_11138	Dialysis Fluid Glucose	Dialysis Fluid-RV-3mL	Dialysis Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Hexokinase/GLDH	2 hours	6 hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
85	LBIO_10580	CSF – Panel (Glucose, Protein, Chloride)	CSF-RV-3mL	CSF	Red capped Vacutainer– Clot activator	3 mL	24/7	Refer to Individual test methodology	2 hours	6 hours
86	LBIO_10953	Ascitic Fluid Panel (Glucose, Protein, Albumin, Amylase, LDH)	Ascitic fluid-RV-3mL	Ascitic Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Refer to Individual test methodology	2 hours	6 hours
87	LBIO_10959	Pericardial Fluid Panel (Glucose, Protein, Albumin, LDH)	Pericardial fluid-RV-3mL	Pericardial Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Refer to Individual test methodology	2 hours	6 hours
88	LBIO_10961	Synovial Fluid Panel (Glucose, Protein, Albumin)	Synovial fluid-RV-3mL	Synovial fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Refer to Individual test methodology	2 hours	6 hours
89	LBIO_10955	Pleural Fluid Panel (Glucose, Protein, Albumin, Amylase, LDH)	Pleural fluid-RV-3mL	Pleural Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Refer to Individual test methodology	2 hours	6 hours

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
90	LBIO_10962	Dialysis Fluid Panel (Glucose, Sodium, Potassium, Magnesium)	Dialysis Fluid-RV-3mL	Dialysis Fluid	Red capped Vacutainer– Clot activator	3 mL	24/7	Refer to Individual test methodology	2 hours	6 hours
c) Immunoassay										
91	LBIO_10934	Serum Active B12	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
92	LBIO_10913	T 3	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
93	LBIO_10914	T 4	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
94	LBIO_10912	TSH	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
95	LBIO_10883	FT 3	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
96	LBIO_10922	FT 4	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
97	LBIO_10903	FSH	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
98	LBIO_10906	LH	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
99	LBIO_10908	PRL *2-4h after patient has awakened	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
100	LBIO_10933	Insulin – Fasting*12 hours of Fasting	Blood- LV-3mL	Blood	Lavender Capped Vacutainer– EDTA	4 mL	24/7	CMIA	2 hours	24hrs
101	LBIO_10887	Plasma Insulin	Blood- LV-3mL	Blood	Lavender Capped Vacutainer– EDTA	4 mL	24/7	CMIA	2 hours	24hrs
102	LBIO_10915	HCG - β	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
103	LBIO_10902	Cortisol (7 – 9 A.M)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
104	LBIO_10886	Cortisol (4 – 6 P.M)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
105	LBIO_11100	Cortisol random	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
106	LBIO_11158	Serum Cortisol 60 min- ACTH stimulated	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
107	LBIO_11159	Serum Cortisol-Dexa suppressed	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
108	LBIO_10621	Ferritin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
109	LBIO_10587	HbA1c	Whole Blood-LV-2mL	Whole Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	HPLC	2 hours	24hrs
110		Estimated Average Glucose						Calculated Parameter		
111	LBIO_10643	Anti TPO	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
112	LBIO_10647	Testosterone	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
113	LBIO_10574	CKMB	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
114	LBIO_10931	hsTroponin I	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	15 min	2hours
115	LBIO_10873	Serum Homocysteine *12 – 14 h fasting	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
116	LBIO_10666	Folic acid	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
117	LBIO_10662	Estradiol	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
118	LBIO_10941	Total Vitamin D (25 OH D2 &D3)	Blood- LV-3mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
119	LBIO_10942	Plasma PTH	Blood- LV-3mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	30 min (4-8 deg C)	24hrs
120	LBIO_11160	Serum GH- 0, 60, 90 min Clonidine Stimulated	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
121	LBIO_11157	Serum GH-Post Glucose(75g) Load-60min	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
122	LBIO_11132	ACE	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Colorimetric-Furanacryloyl-L-phenylalanylglycylglycine (FAPGG)	2 hours	24hrs
123	LBIO_11130	Anti CCP	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
124	LBIO_11129	AMH	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
125	LBIO_20077	Serum IGF-1	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	30 min (4-8 deg C)	24hrs
126	LBIO_20079	Serum TSH Receptor Antibody	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
127	LBIO_11123	Thyroglobulin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
128	LBIO_11124	Anti Thyroglobulin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hrs
129	LBIO_11125	Growth Hormone * Rest 30 min before test, 10-12hrs fasting	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	30 min (4-8 deg C)	24hours
130	LBIO_11594	Maternal screen-1st Trimester Dual Marker test * History is must as per request form. Recommended for 11 to 13.6 weeks. Free βHcG PAPP-A	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24 hours

d) Drugs

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
131	LBIO_10591	Lithium *12 hrs after previous dose	Blood-RV-4mL	Blood	Red capped Vacutainer– Clot activator	4 mL	24/7	Direct Potentiometry	2 hours	6 hours
132	LBIO_10623	Phenobarbital *Trough / Peak as per requirement	Blood-RV-4mL	Blood	Red capped Vacutainer– Clot activator	4 mL	24/7	CMIA	2 hours	24hours
133	LBIO_10628	Phenytoin *Trough / Peak as per requirement	Blood-RV-4mL	Blood	Red capped Vacutainer– Clot activator	4 mL	24/7	CMIA	2 hours	24hours
134	LBIO_10622	Carbamazepine *Trough / Peak as per requirement	Blood-RV-4mL	Blood	Red capped Vacutainer– Clot activator	4 mL	24/7	CMIA	2 hours	24hours
135	LBIO_10627	Valproic Acid*Trough / Peak as per requirement	Blood-RV-4mL	Blood	Red capped Vacutainer– Clot activator	4 mL	24/7	CMIA	2 hours	24hours
136	LBIO_20117	Cyclosporine Blood	Whole Blood-LV-3mL	Whole Blood	Lavender Capped Vacutainer– EDTA	4 mL	24/7	CMIA	2 hours	24hours
137	LBIO_20L116	Methotrexate	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA	2 hours	24hours

e) Tumor Markers

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
138	LBIO_10701	AFP	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
139	LBIO_10702	Total PSA	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
140	LBIO_10730	CEA	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
141	LBIO_10734	CA 125	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
142	LBIO_11294	CA - 19.9	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs
143	LBIO_20078	CA – 15.3	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs

Instructions

Therapeutic Drug Monitoring

The therapeutic drug level monitoring is usually performed on the Trough sample (Collected just before the next dose of the drug). Unless otherwise specified, the trough level of the drug is choice of sample. Samples for peak concentration of the drug levels is collected as per the specification by the doctor.

f) Test Panels or Test Profile										
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LBIO_10573	Lipid Profile: Cholesterol, HDL Cholesterol, LDL Cholesterol, Triglycerides *12 hours of Fasting	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
		Non-HDL						Calculated Parameter		
		TC/ HDL Ratio						Calculated Parameter		
2	LBIO_10592	LFT (Liver Function Tests) Total Protein, Albumin, Total Bilirubin, Conjugated Bilirubin, AST, ALT, ALP, GGT	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
3	LBIO_10909	Serum T 3, T 4	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
4	LBIO_10910	Serum T 3, T 4, TSH	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
5	LBIO_10936	Serum FT3, FT4, TSH	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
6	LBIO_10648	Serum TSH, FT 4, Anti TPO	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
7	LBIO_10907	Serum FSH, LH, PRL	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
8	LBIO_10911	Serum T 3, T 4, TSH, FSH, LH, PRL	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
9	LBIO_11156	FSH, LH, Total Testosterone	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
10	LBIO_11240	TSH, FT4, TG, Anti-TG	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24 hours
11	LBIO_11149	FSH, LH, PRL, TSH, FT4, Cortisol-7-9am	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
12	LBIO_10562	Blood Gas Analysis-Arterial	Whole Blood-HS-2mL	Whole Blood	Heparinised Syringe	4 mL	24/7	Refer to individual Test methodology	30 min (preferably on ice)	20 min
13	LBIO_11165	Blood Gas Analysis-Venous	Whole Blood-HS-2mL	Whole Blood	Heparinised Syringe	4 mL	24/7	Refer to individual Test methodology	30min (preferably on ice)	20 min

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
14	LBIO_10609	Serum Urea & Creatinine	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
15	LBIO_10605	Serum Fasting Glucose, Creatinine, Electrolytes	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
16	LBIO_10606	Serum Fasting Glucose, Urea, Electrolytes	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
17	LBIO_10565	Serum Calcium, Phosphorus, & Uric acid	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
18	LBIO_10970	Serum Fasting Glucose, Urea, Creatinine, Electrolytes	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
19	LBIO_10971	Serum Post Prandial Glucose, Urea, Creatinine, Electrolytes	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
20	LBIO_10566	Serum Calcium, Phosphorus, ALP, Albumin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
21	LBIO_10601	Serum Random Glucose, Urea, Creatinine, Electrolytes	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours

Sl. No.	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
22	LBIO_10633	Serum Amylase & lipase	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
23	LBIO_10556	Serum AST(SGOT) & ALT(SGPT)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
24	LBIO_10557	Serum AST(SGOT), ALT(SGPT) & ALP	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	6 hours
25	LBIO_11142	Anemia Profile-Iron panel, ferritin, Folic acid & Vitamin B12	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24 hours
26	LBIO_11143	Extended Anemia Profile-Iron panel, ferritin, Folic acid, Vitamin B12 & sTfR	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24 hours
27	LBIO_11144	Renal Profile-Urea, Creatinine, Electrolytes, Urine Protein/Creatinine ratio	Blood-GYV-4mL; Urine-WOP-5mL	Blood & Urine	Golden Yellow capped Gel Vacutainer; Lavender Capped Vacutainer–EDTA; Sterile wide mouthed screw capped container	4 mL; 4 mL; 5 mL	24/7	Refer to individual Test methodology	2 hours	24hours

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
28	LBIO_11146	Extended diabetic profile- Fasting glucose, Post prandial Glucose, Glycated Hemoglobin, Urine microalbumin, Serum creatinine, Plasma fasting Insulin	Blood-GYV-4mL Blood-LV-3mL Urine-WOP-5mL	Blood & Urine	Golden Yellow capped Gel Vacutainer; Sterile wide mouthed screw capped container	4 mL; 5 mL	24/7	Refer to individual Test methodology	2 hours	24hours
29	LBIO_11147	Fertility profile for male: FSH, LH, PRL, Testosterone	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
30	LBIO_11148	Fertility profile for female: FSH, LH, PRL, Estradiol	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Refer to individual Test methodology	2 hours	24hours
31	LBIO_11145	Diabetic profile-Fasting glucose, Post prandial Glucose, Glycated Hemoglobin	Blood-GYV-4mL Whole Blood-LV-2mL	Blood	Golden Yellow capped Gel Vacutainer; Lavender Capped Vacutainer–EDTA	4 mL; 4mL	24/7	Refer to individual Test methodology	2 hours	24hours

g) Tests done in Special Diagnostics Section, Clinical Biochemistry SJMCH (*tests under scope of NABL accreditation*) Coordinate with lab personnel for test scheduling and collection of samples.										
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LBIO_10718	Serum Protein Electrophoresis	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Capillary Electrophoresis	2 hours	5 days
2	LBIO_10716	Serum Ceruloplasmin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Immuno nephelometry	2 hours	5 days
3	LBIO_11131	Free light chain	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Immuno nephelometry	2 hours	5 days
4	LBIO_10724	Vanillyl Mandelic acid * Food & Drug restriction 3-4 days prior to collection.	Urine-BWP-24 hrs sample	Urine	Sterile Urine Can with 6N HCl	10 ml of aliqout of 24hour urine sample	24/7	Anion exchange Chromatography	2 hours	72hrs
5	LBIO_11122	Urine Metanephrine * Food & Drug restriction 3-4 days prior to collection.	Urine-BWP-24 hrs sample	Urine	Sterile Urine Can with 6N HCl	10 ml of aliqout of 24hour urine sample	24/7	Cationic exchange chromatography	2 hours	8days
6	LBIO_10755	Urine pH	Urine-WOP-20mL	Urine	Sterile wide mouthed screw capped container	20 mL	9am to 3.00pm	Potentiometry	2 hours	4 hr

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
7	LBIO_11133	sTfR	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Immuno nephelometry	2 hours	5 days
8	LBIO_00738	Serum Beta2 Microglobulin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Immuno nephelometry	2 hours	5 days
II) T*ests not under scope of accreditation NABL accreditation*										
a) Tests done in Special Diagnostics Section, Clinical Biochemistry SJMCH; Coordinate with lab personnel for test scheduling and collection of samples.										
1	LBIO_10710	Whole blood methemoglobin	Whole Blood EDTA	Whole Blood	Lavender Capped Vacutainer– EDTA	4 mL	9am to 3.00pm	Spectrophotometry	2 hours	4hrs
2	LBIO_10705	Chromatography for Urine Amino Acids	Urine-WOP-10mL	Urine	Sterile wide mouthed screw capped container	10 mL	9am to 3.00pm	Thin Layer Chromatography	2 hours	48 hr
3	LBIO_10749	Chromatography for Serum Amino Acids	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	9am to 3.00pm	Thin Layer Chromatography	2 hours	48 hr
4	LBIO_10746	Chromatography for urine sugars	Urine-WOP-10mL	Urine	Sterile wide mouthed screw capped container	10 mL	9am to 3.00pm	Thin Layer Chromatography	2 hours	48 hr
5	LBIO_10727	Urine galactose	Urine-WOP-10mL	Urine	Sterile wide mouthed screw capped container	10 mL	9am to 3.00pm	Qualitative-Benedicts	2 hours	4 hr

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
6	LBIO_10711	Mucopolysaccharide	Urine-WOP-10mL	Urine	Sterile wide mouthed screw capped container	10 mL	9am to 3.00pm	Spectrophotometry	2 hours	4 hrs
7	LBIO_10719	Stool fat	Stool-WOP-10g	Stool	Sterile wide mouthed screw capped container	10 g	9am to 3.00pm	Steatocrit	2 hours	4 hrs
8	LBIO_10720	5 Hydroxy Indoles * Food & drug restriction 3-4 d prior collection	Urine-WOP-24hrs	Urine	Sterile Urine Can with 6N HCl	15 ml of aliqout of 24hour urine sample	24/7	Spectrophotometry	2 hours	72hrs
9	LBIO_10969	Stone analysis-Salivary calculi	Salivary stone-Ster.C-2g	Salivary Stone	Sterile wide mouthed screw capped container	2 g	24/7	Qualitative	2 hours	24 hrs
10	LBIO_10756	Gall stone analysis	Gall stone-Ster.C-2g	Gall Stone	Sterile wide mouthed screw capped container	2 g	24/7	Qualitative	2 hours	24 hrs
11	LBIO_10714	Screening for IEM (PKU, Cystine, Homocystiene, Arginine, Tyrosine)	Urine-Ster.C-15mL	Urine	Sterile wide mouthed screw capped container	15 mL	9am to 3.00pm	Qualitative	2 hours	4 hrs

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
13	LBIO_11298	17-Hydroxy Progesterone (17- OHP)	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometric Enzyme Immunoassay	2 hours	8 days
14	LBIO_11300	G6PD	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometry	2 hours	8 days
15	LBIO_11299	Total Galactose	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometry	2 hours	8 days
16	LBIO_11607	Biotinidase	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometry	2 hours	8 days
17	LBIO_11166	Serum Immunotyping-Qualitative	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Capillary Electrophoresis	2 hours	8 days
18	LBIO00742	NT proBNP	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ECLIA	2 hours	24hrs

b) Panel/Profiles										
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LBIO_00340	Newborn Screening-Panel [Dried Blood Spot (Filter Paper) * Specimen Collection 48-72 hours after birth	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Refer to individual Test methodology	2 hours	8 days
1a	LBIO_11298	17-Hydroxy Progesterone (17- OHP)	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometric Enzyme Immunoassay	2 hours	8 days
1b	LBIO_11300	G6PD	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometry	2 hours	8 days
1c	LBIO_11299	Total Galactose	Blood-Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometry	2 hours	8 days
1d	LBIO_11607	Biotinidase	Blood- Dried Blood Spot on Filter Paper	Blood	Dried Blood Spot on Filter Paper	NA	24/7	Fluorometry	2 hours	8 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
2	LBIO_00739	Myeloma diagnostic panel (Serum electrophoresis, Immunotyping, Serum Free light chains, Serum Urea, Serum Creatinine, Serum Calcium, Serum electrolytes, LFT, Serum LDH, Serum Beta 2 Microglobulin)	Serum	Blood	Golden Yellow capped Gel Vacutainer	5 mL-3 tubes	24/7	Refer to individual Test methodology	2 hours	8 days
3	LBIO_00740	Myeloma follow up panel (Serum electrophoresis, Serum Free light chains, Serum Urea, Serum Creatinine, Serum Calcium, Serum electrolytes)	Serum	Blood	Golden Yellow Capped Gel Vacutainer	5 mL-3 tubes	24/7	Refer to individual Test methodology	2 hours	8 days

III) Tests outsourced to referral laboratory.										
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LBIO_11510	17-Hydroxy Progesterone 17OHP Serum	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	2 days
2	LBIO_11515	ACTH Adreno Corticotropic Hormone Plasma (to be transported preferable at 4-8 deg C)	Blood-LV-3mL	Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	CLIA	2 hours	2 days
3	LBIO_11521	AChR Antibodies AcetylCholine Receptor Antibodies Serum	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	RIA	2 hours	2 days
4	LBIO_11587	Aldosterone Serum * Mention Position Of Collection. Treatment history of spironolactone or ACE inhibitors	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	2 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
5	LBIO_11511	tTG Antibody-IgA Tissue Transglutaminase	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EIA/ELISA	2 hours	2 days
6	LBIO_11514	Vitamin E Alpha Tocopherol * Fasting recommended	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	HPLC	2 hours	4 days
7	LBIO_11519	Digoxin Lanoxin * Mention Time of Drug Dose.	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	16 hours
8	LBIO_11520	Pseudo Cholinesterase OPC poisoning	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Biochemical	2 hours	12 hours
9	LBIO_11518	Kappa and Lambda-Free Freelite Urine	10 ml of Spot Urine(acceptable) or 10 ml of aliqout of 24hour urine sample (Preferred)	Urine	Sterile wide mouthed screw capped container	10 ml of Spot Urine(acceptable) or 10 ml of aliqout of 24hour urine sample (Preferred)	24/7	Nephelometry	2 hours	2 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
10	LBIO_11522	Copper Urine 24H * Mention 24 Hrs.Urine Volume.	Urine-WOP-10mL	Urine	Sterile wide mouthed screw capped container	10 mL	24/7	ICPMS	2 hours	4 days
11	LBIO_11525	Beta 2 Microglobulin Urine Spot	Urine-WOP-15mL	Urine	Sterile wide mouthed screw capped container	15 mL	24/7	CLIA	2 hours	2 days
12	LBIO_11552	Bile acids-Total Serum	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Biochemical	2 hours	2 days
13	LBIO_11526	Porphobilinogen-PBG Quantitative Urine 24H * Collect In Dark Coloured Bottle. Protect From Light.	Urine-BWP-24 hrs sample 10 ml of 6 M HCL as preservative)	Urine	Sterile Urine Can with 6N HCl	10 ml of aliqout of 24hour urine sample	24/7	Column Chromatography	2 hours	5 days
14	LBIO_11529	Copper Serum	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ICPMS	2 hours	4days
15	LBIO_11530	DHEAS Dehydroepiandrostenedione Sulphate * Mention Age & Sex	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
16	LBIO_11532	NMO (Aquaporin 4)-IgG Serum	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	IFA	2 hours	3 days
17	LBIO_11534	C1 Esterase Inhibitor	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Nephelometry	2 hours	24 hours
18	LBIO_11537	Calcitonin Thyrocalcitonin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	2 days
19	LBIO_11153	Erythropoietin Serum	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	2 days
20	LBIO_11539	Haptoglobin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Nephelometry	2 hours	2 days
21	LBIO_11542	Protein Electrophoresis Urine 24H * Mention 24 Hrs. Urine Volume.	Urine-BWOP-24 hrs sample	Urine	Sterile Urine Can without Preservative	10 ml of aliqout of 24hour urine sample	24/7	Electrophoresis	2 hours	2 days
22	LBIO_11543	MuSK Antibody Muscle specific Kinase Ab	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	RIA	2 hours	4 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
23	LBIO_11544	Oligoclonal Band by IEF Multiple sclerosis CSF and serum * Both CSF and Serum collected at same time within 1 hour to be sent together.	CSF-RV-2mL	CSF	Red capped Vacutainer– Clot activator	3 mL	24/7	Isoelectric Focusing	2 hours	4 days
24	LBIO_11547	Vitamin D-1,25-Dihydroxy	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	2 days
25	LBIO_11548	Ganglioside IgG antibody panel	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Immunoblot	2 hours	2 days
26	LBIO_11549	Ganglioside IgM antibody panel	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Immunoblot	2 hours	2 days
27	LBIO_11546	GBM Antibody	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	FEIA/ELISA	2 hours	8days
28	LBIO_11550	Immunofixation-quantitative	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Electrophoresis	2 hours	2 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
29	LBIO_11554	IA2 Insulin Autoantibodies	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EnzymeImmunoassay	2 hours	2 days
30	LBIO_11553	Allergen, Individual-Drug Paracetamol AntiPyretic	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ELISA	2 hours	6 days
31	LBIO_11555	Testosterone Free	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	24 hours
32	LBIO_11556	Heavy Metals profile-1 (Lead, Mercury, Cadmium, chromium, cobalt Arsenic, Aluminium, selenium, Copper, zinc, nickel)	Blood-GYV-4mL Blood-LV-6mL (Container Provided by Referral lab)	Blood	Heavy Metal Tubes-Serum & EDTA (Container Provided by Referral lab)	4 mL; 4 mL	24/7	ICPMS	2 hours	4days
33	LBIO_11557	Heavy Metals profile-2 (Lead, Mercury, Cadmium, Arsenic)	Blood-GYV-4mL Blood-LV-6mL (Container Provided by Referral lab)	Blood	Heavy Metal Tubes-Serum & EDTA (Container Provided by Referral lab)	4 mL; 4 mL	24/7	ICPMS	2 hours	4days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
34	LBIO_11558	Myasthenia Gravis Profile (AChR Ab, ASKA, MuSK)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	RIA, Immuno fluorescence, RIA	2 hours	5 days
35	LBIO_11559	Lamotrigine Level * Clinical history, Height, weight, collection time and date is mandatory	Blood-LV-3mL	Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	LCMSMS	2 hours	6 days
36	LBIO_11560	Alpha 1 Antitrypsin Serum	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	Nephelometry	2 hours	2 days
37	LBIO_11561	Vitamin C Total Ascorbic acid * In Fasting condition	Blood-GV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	HPLC	2 hours (4-8 deg C)	2 days
38	LBIO_11562	Metanephrines -Free Plasma	Blood-LV-3mL	Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	ELISA	2 hours	3 days
39	LBIO_11567	Hepcidin	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EIA/ELISA	2 hours	4 days
40	LBIO_11568	Progesterone (P4) * Mention Age/LMP & If Pregnant	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CMIA/CLIA	2 hours	2 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
41	LBIO_11569	Oxcarbazepine Metabolite of oxcarbamazepine * Clinical history, height, weight, age, collection date and time is mandatory	Blood-RV-4mL	Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	lCMSMS	2 hours	7days
42	LBIO_11517	C peptide * Fasting Required, Labile analyte. History required	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	24 hours
43	LBIO_11523	DHT Di Hydro Testosterone	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EIA/ELISA	2 hours	2 days
44	LBIO_11536	Lead Blood	Whole Blood-LV-3mL	Whole Blood	Lavender Capped Vacutainer–EDTA	4 mL	24/7	ICPMS	2 hours	5 days
45	LBIO_11538	Zinc	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	ICPMS	2 hours	3 days
46	LBIO_11545	Gliadin IgA Antibodies De-amidated (DGP)	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EIA/ELISA	2 hours	4 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
47	LBIO_11564	GAD 65 Antibody for Paraneoplastic syndrome	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	IFA	2 hours	8 days
48	LBIO_11563	GAD 65 Antibody for Type I diabetes	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EIA/ELISA	2 hours	3 days
49	LBIO_11565	Beta 2 Glycoprotein 1 IgG Antibody	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EIA/ELISA	2 hours	2 days
50	LBIO_11566	Beta 2 Glycoprotein 1 IgM Antibody	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	EIA/ELISA	2 hours	2 days
51	LBIO_11528	Stone Analysis Kidney/ Urine calculus	Kidney stone/ Urinary stone - Ster.C-15g	Kidney stone/ Urinary stone	Sterile wide mouthed screw capped container	15 g	24/7	FTIR	2 hours	2 days
52	LBIO_11533	PRA Plasma Renin Activity	Blood-LV-3mL	Blood	Lavender Capped Vacutainer– EDTA	4 mL	24/7	CLIA	2 hours	2 days
53	LBIO_11512	Maternal screen-2nd Trimester Quadruple Marker test * History is must as per request form Recommended for 14 to 22.6 weeks	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	3 days

Sl. No	Test code	Name of the test	Type of sample	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
54	LBIO_11571	Maternal screen-2nd Trimester Triple marker test * History is must as per request form. Done only for 14 to 22.6 weeks	Blood-GYV-4mL	Blood	Golden Yellow Capped Gel Vacutainer	4 mL	24/7	CLIA	2 hours	3 days
55	PHY00178	sFlt-1/PIGF	Blood-GYV-3 mL	Blood	Golden Yellow Capped Gel Vacutainer	3mL	24/7	CLIA	2 hours	24 hours
56	PHY00187	Porphobilinogen in urine - Random	Urine-WOP-10mL	Urine	Sterile wide mouthed screw capped container	10mL	24/7	Column Chromatography	2 hours	2 days

Note: The following tests cannot be accepted for samples collected outside St. John's Hospital: Ammonia, ABG/VBG, lactate, bicarbonate, Growth hormone, IGF-1

SECTION: CLINICAL PATHOLOGY (CLINICAL PATHOLOGY, HEMATOLOGY, IMMUNOHEMATOLOGY, FLOW CYTOMETRY), SJMCH

Tests under scope of NABL accreditation HEMATOLOGY

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
1	10029	Acid Elution Test	Blood	EDTA	2ml/3ml	24 hrs	Cytochemical Staining & Microscopy	24Hrs	24 hrs
2	10135	Antiphospholipid Antibody Work Up	Blood	Citrate/EDTA /Clot	3ml/2ml	24 hrs	Refer scope	4Hrs	one week
3	10133	Anticardiolipin Antibodies IgG/IgM	Blood	Clot	2ml/3ml	24 hrs	ELISA	4 Hrs	one week
4	10101	APTT	Blood	Citrate	3ml	24 hrs	Automated Optical Clot Detection Method	4 Hrs	4 hrs
5	10154	Beta 2 Glycoprotein IgG/IgM	Blood	Clot	3ml	24 hrs	ELISA	4 Hrs	one week
6	11103	Blood Grouping (ABO & Rh)	Blood	EDTA/Clot	2ml/3ml	24 hrs	Gel Method & Tube Agglutination Test (Forward and Reverse Grouping)	24 Hrs	2 hrs
7	10804	Cold Agglutinin Titre	Blood	Serum	4ml	9 am to 2PM	Tube Agglutination	2 Hrs	24 hrs
8	10006	Complete Hemogram	Blood	EDTA	2ml/3ml	24 hrs	Refer scope	24 Hrs	5pm next working day
9	10005	Complete Blood Count	Blood	EDTA	2ml/3ml	24 hrs	Refer scope	24 Hrs	4 hrs
10	10105	Complete Coagulation work up	Blood	Citrate & EDTA	3ml/2ml	24 hrs	Refer scope	4Hrs	one week
11	10112	D-Dimer	Blood	Citrae	3 ml	24 hrs	Turbidimetric Immunoassay	4 Hrs	24 hrs
12	10805	Direct Antiglobulin Test	Blood	EDTA	2ml/3ml	24 hrs	Gel Method & Tube agglutination	48Hrs	4 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
13	10007	ESR	Blood	EDTA	2ml/3ml	24 hrs	Automated Sedimentation Method/Modified Westergren Method	24 Hrs	4 hrs
14	10109	Factor Assay (V, VII, VIII, IX, X, XI, XII)	Blood	Citrate	3 ml	24 hrs	Automated One Stage Clot-Based Assay	4 Hrs	48 hrs (Factor VIII & IX) one week for Factor Assay V, VII, X, XI, XII)
15	10030	Fibrinogen Assay	Blood	Citrate	3 ml	24 hrs	Modified Von Clauss Method (Automated)	4 Hrs	24 hrs
16	10031	G6PD Assay	Blood	EDTA	2ml/3ml	9-4 pm	Quantitative UV Kinetic Assay	6 Hrs	24 hrs
17	10045	G6PD Dye Test	Blood	EDTA	2ml/3ml	9- 1 pm	Dye Reduction Test	6 Hrs	24 hrs
18	10114	Hams Test	Blood	EDTA	2ml/3ml	9-4 pm	Acidified Serum Lysis	24 Hrs	24 hrs
19	10010	Hemoglobin	Blood	EDTA	2ml/3ml	24 hrs	Automated Analyzer Sulpholyser	24 Hrs	4 hrs
20	10141	Hb HPLC	Blood	EDTA	2ml/3ml	24 hrs	HPLC	10 days	14 days
21	10806	Indirect Antiglobulin Test and Titre	Blood	serum	3 ml	24 hrs	Gel Method & Tube Agglutination	24 Hrs	24 hrs
22	10132	Inhibitor Studies in Bethesda Unit	Blood	Citrate	3ml	24 hrs	Automated Optical Clot Detection Method	4 Hrs	1week
23	10118	Leucocyte Alkaline Phosphotase Score (LAP)	Blood	EDTA	2ml/3ml	9am to 1 Pm	Cytochemical Staining	24 Hrs	24 hrs
24	10134	Lupus Anticoiagulant	Blood	Citrate	3 ml	24 hrs	Refer scope	4 Hrs	one week
25	10015	Malarial Parasite	Blood	EDTA	2ml/3ml	24 hrs	QBC/Leishman Staining & Microscopy (Thick &Thin Smear)	24 Hrs	4 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
26	10016	Microfilaria	Blood	EDTA	2ml/3ml	24 hrs	QBC / Leishman staining & Microscopy	24 Hrs	4 hrs
27	10032	Nitroblue Tetrazolium Test (NBT)	Blood	Heparin	4 ml	9- 1 PM	Cytochemical Staining & Microscopy	6 Hrs	24 hrs
28	10119	Osmotic Fragility Test (OFT)	Blood	Heparin	4 ml	9-4 pm	Osmotic Fragility (Measured by Lysis of RBC's In Hypotonic Saline)	6 Hrs	48 hrs
29	10018	Packed Cell Volume (PCV)	Blood	EDTA	2ml/3ml	24 hrs	Automated Analyser Measured	24 Hrs	4 hrs
30	10019	Peripheral Smear	Blood	EDTA	2ml/3ml	24 hrs	MGG, Leishman staining & Microscopy	24 Hrs	5pm next working day
31	10097	Plateet Indices (MPV ,IPF)	Blood	EDTA	2ml/3ml	24 hrs	Calculated	24 Hrs	12 hrs
32	10020	Platelet Count	Blood	EDTA	2ml/3ml	24 hrs	Flowcytometry/DC Impedence	24 Hrs	4 hrs
33	10023	Prothrombin Time/INR	Blood	Citrate	3ml	24 hrs	Automated Optical Clot Detection Method	4 Hrs	4 hrs
34	10093	Red Cell Antibody Identification	Blood	Serum	3ml	24 hrs	Gel Card Method and Tube Agglutination Test	24 Hrs	72 hrs
35	10821	Red Cell Antibody Screening	Blood	Serum	4ml	24 hrs	Gel Card Method and Tube Agglutination Test	24 Hrs	48 hrs
36	10002	Red Cell Indices (MCV, MCH, MCHC, RDW)	Blood	EDTA	2ml/3ml	24 hrs	Calculated	24 Hrs	4 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
37	10025	Reticulocyte Count	Blood	EDTA	2ml/3ml	24 hrs	Brilliant Cresyl Blue staining & Microscopy/Flowcytometry	24 Hrs	6 hrs
38	10096	Reticulocyte Hemoglobin	Blood	EDTA	2ml/3ml	24 hrs	Flow Cytometry	24 Hrs	12 hrs
39	10026	Screening For Inhibitors	Blood	EDTA	2ml/3ml	24 hrs	Automated Optical Clot Detection Method	24 Hrs	24 hrs
40	10124	Sickle Cells	Blood	EDTA	2ml/3ml	24 hrs	Sodium Metabisulphite Microscopic Examination- Wet Film	24 Hrs	24 hrs
41	10125	Sucrose Lysis Test	Blood	EDTA	2ml/3ml	9-4 pm	Compliment mediated Red Cell Lysis at Low Ionic Concentration	24 Hrs	24 hrs
42	10110	Test For Factor XIII	Blood	Citrate	3 ml	24 hrs	Urea Solubility Test	4 Hrs	48 hrs
43	10127	Thrombin Time	Blood	Citrate	4 ml	24 hrs	Automated Optical Clot Detection Method	4 Hrs	4 hrs
44	10982	Von Willebrand RICOF Activity	Blood	Citrate	4 ml	24 hrs	Automated Latex Particle Enhanced Immunoturbidimetric Assay	4 Hrs	two weeks
45	10091	Von Willebrand Factor Antigen Assay	Blood	Citrate	4 ml	24 hrs	Automated Latex Enhanced Immunoassay	4 Hrs	48 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
46	10104	Bone Marrow Examination	NA	Bone marrow smears	NA	9 am to 4 PM	Leishman, Perl's Prussian Blue Staining and Microscopy Trephine Biopsy: Gross Examination, Processing, Microscopic Examination of Stained Tissue Sections by Haematoxylin & Eosin Stain	NA	48 hrs
				Clinical Pathology					
1	10201	Bence Jones Protein	Urine	Plastic Container with Cap	15ml	24 hrs	Heat coagulation	2 hrs	4 hrs
2	10352	Body Fluids TC/DC	Body Fluid	EDTA	0.5-2ml	24 hrs	Refer scope	1 hrs	4 Hrs
3	10203	Haemosiderin	Urine/Body Fluid	Plastic Container with Cap	15ml	24 hrs	Perls Reaction	2hrs	4 hrs
4	10208	Urine Routine and Microscopy	Urine	Plastic Container with Cap	15ml	24 hrs	Refer scope	2 hrs	4 hrs
5	10207	Urine Protein	Urine	Plastic Container with Cap	15ml	24 hrs	Protein Error of Indicators	2 hrs	4 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
6	10210	Urine Sugar (Glucose)	Urine	Plastic Container with Cap	15ml	24 hrs	GOD, POD	2 hrs	4 hrs
7	10204	Urine Ketone Bodies	Urine	Plastic Container with Cap	15ml	24 hrs	Sodium Nitroprusside Reaction	2 hrs	4 hrs
8	10984	Urine Hemoglobin	Urine	Plastic Container with Cap	15ml	24 hrs	Peroxidase - like reaction of the Hb	2 hrs	4 hrs
9	10205	Urine Microscopy	Urine	Plastic Container with Cap	15ml	24 hrs	Flow cytometry / Microscopy/ Phase Contrast Microscopy	2 hrs	4 hrs
10	10159	Urine Phase contrast microscopy for Dysmorphic RBCs	Urine	Plastic Container with Cap	15ml	24 hrs	Phase contrast microscopy	2 hrs	4 hrs
11	10308	Urine Pregnancy Test (Strip)	Urine	Plastic Container with Cap	15ml	24 hrs	Beta HCG	4 hrs	4 hrs
12	10253	Stool Routine and Microscopy	Stool	Plastic Container with Cap	5-10g	6 am to 8 pm	Visual examination & microscopy	12 hrs	4 hrs
13	10252	Stool occult Blood	Stool	Plastic Container with Cap	5-10g	24 hrs	Peroxidase Activity of Hb	12 hrs	4 hrs
14	10304	Semen Analysis	Semen	Plastic Container with Cap	1ml	8.30 am to 11 am	Visual examination, smear and Microscopy (Improved Neubauer Chamber)	30 minutes	24 hrs

Flowcytometry									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	10679	Flow Cytometry for CD4/CD8	Blood	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	48 hrs
2	10358	Extended Flowcytometry for Leukemia/Lymphoma/ myeloma	Blood/Bone Marrow/Body Fluid	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	Body fluids within 2 hrs Others 48-72hrs	48 hrs
3	10981	Flow Cytometry for CD19/20	Blood	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	48 hrs
4	10980	Flow Cytometry for PID (Lymphocyte subset analysis)	Blood	EDTA		9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	48 hrs
5	11601	Flow Cytometry for B-cell ALL MRD	Bone Marrow	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	48 hrs
6	10355	Flowcytometry for DHR	Blood	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	48 hrs
7	10357	Flowcytometry for HLA Crossmatch	Blood	ACD & EDTA	12 ml	9 am to 4 pm	Flurochrome Labelled Antibody Evaluation by Flowcytometry	48-72 hrs	48 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
8	10987	Flowcytometry for PNH	Blood	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome Labelled Antibody Evaluation by Flowcytometry	48-72 hrs	48 hrs
9	10095	Flow For Platelet Function Disorders	Blood	EDTA	2ml/3ml	24 hrs	Flurochrome Labelled Antibody Evaluation by Flowcytometry	48-72 hrs	48 hrs
10	10094	Flowcytometry for HLA B 27	Blood	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome Labelled Antibody Evaluation by Flowcytometry	48-72 hrs	48 hrs
11	10149	Flowcytometry for CD34 count	Blood	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	6 hrs
13	10354	Extended Flowcytometry for PID (NBT, Lymphocyte subset, DHR)	Blood	EDTA & Heparin	2ml & 3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	48 hrs

Tests not under scope of NABL accreditation Flowcytometry									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LHMT00202	Flow Cytometry for Myeloma MRD	Bone Marrow	EDTA	2ml/3ml	9 am to 4 pm	Flurochrome labelled antibody evaluation by flowcytometry	48-72 hrs	48 hrs

Tests not under scope of NABL accreditation Clinical Pathology & Hematology									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	10155	Antithrombin III	Blood	Citrate	3ml	9-4 PM		4hrs	one month
2	10003	Bleeding Time	Performed on patient						
3	10896	Factor XIII Assay	Blood	Citrate	3ml	9-4 PM		4hrs	2 weeks
4	10137	Protein C	Blood	Citrate	3ml	9-4 PM		4hrs	one month
5	10138	Protein S	Blood	Citrate	3ml	9-4 PM		4hrs	one month
6	10107	S. Cryoglobulin	Blood	Clot	3ml	9-4 PM		24hrs	24 hrs
7	10301	Fern Test	Vaginal Smear	Slides	2 No's	24 hrs		NA	24 hrs
8	Code to be activated from April 2025	Factor II	Blood	Citrate	3ml	9-4 PM		4hrs	2 weeks
9	10160	Urine Fat Globules	Urine	Plastic Container With Cap	15ml	24 hrs	Refer scope	2hrs	4 hrs
10	10122	Plasma Hemoglobin	Blood	EDTA	2ml/3ml	24hrs	Automated Analyzer Sulpholyser	24 Hrs	4 hrs

Tests Outsourced									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	11842	PDGFRA, (4q12) Gene Rearrangement	Blood, Bone Marrow	EDTA /Heparin	3-4 ml Bone marrow/ Peripheral blood in EDTA (Lavendor top), Na Heparin (Green Top) Tube	24 hrs	Fluorescence In Situ Hybridization	Transport in 2 to 8°C (with cold pack) within 72 hrs.	7 days
2	11843	PDGFRB, (5q32) Gene Rearrangement	Blood, Bone marrow	EDTA/ Heparin	3-4 ml Bone marrow/ Peripheral blood in EDTA (Lavendor top), Na Heparin (Green Top) Tube	24 hrs	Fluorescence In Situ Hybridization	Transport in 2 to 8°C (with cold pack) within 72 hrs	7 days
3	11845	PML- RARA Qualitative	Blood, Bone Marrow	EDTA	3-4 ml Bone marrow/ Peripheral blood in EDTA (Lavendor top) Tube	24 hrs	Real Time Polymerase Chain Reaction	Transport is 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	2 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
4	11846	IRMA (BCR-ABL Kinase Domain Mutations)	Blood, Bone Marrow	EDTA	3-4 ml Bone marrow/ Peripheral blood in EDTA (Lavendor top) Tube	24 hrs	Polymerase Chain Reaction, Sequencing	Stable at 4°C for 72 hours. Transport in 2 to 8°C (with cold pack).	7 days
5	11849	T-Cell Gene Rearrangement	Blood, Bone Marrow	EDTA	5 mL Bone marrow /3.5 mL EDTA whole blood (Lavendor Top), Tissue embedded in paraffin block	24 hrs	Fluorescence In Situ Hybridization	Transport at ambient (18-25°C) temperature	7 days
6	11851	CEBPA	Blood, Bone marrow	EDTA	3-4 ml Bone marrow/ Peripheral blood in EDTA (Lavendor top) Tube	24 hrs	Real Time Polymerase Chain Reaction	Transport in 2 to 8°C (with cold pack)	8 days
7	11862	BCL6, BCL2, CMYC	Blood, Bone marrow	EDTA/	3-4 ml Bone marrow/ Peripheral blood in heparin (Green top Vacutainer	24 hrs	Fluorescence In Situ Hybridization	Transport at ambient (18-25°C) temperature	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
8	11864	FLT3 ITD Allelic Ratio	Blood, Bone marrow	EDTA	5mL (3mL min). Peripheral blood / Bone marrow in 1 EDTA (Lavendor top) Tube	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated. Do not Freeze.	Sample by Saturday/Wednesday 11 am; Report in 7 days
9	11865	Hyper Eosinophilic Syndrome (FGFR1, PDGFR, Inv16, PDGFR by FISH)	Blood, Bone marrow	EDTA/	3-4 ml Bone marrow/ Peripheral blood in EDTA (Lavendor top) Heparin (Green Top) Tube	24 hrs	Fluorescence In Situ Hybridization	Transport in 2 to 8°C (with cold pack) within 72 hrs.	12 days
10	11866	TPMT Genotyping	Blood, Bone marrow	EDTA	3-4 ml Bone marrow/ Peripheral blood in EDTA (Lavendor top) Tube	24 hrs	Polymerase Chain Reaction, Sequencing	Transport is 2 to 8°C (with cold pack). Stable at 4 degree Celsius for 1 week	5 days
11	11867	IgVH/igHV mutaion analysis	Blood, Bone marrow	EDTA	4 mL Peripheral blood in 1EDTA (Lavendor Top)	24 hrs	Sanger Sequencing	Ship refrigerated or frozen	14 days
12	11847	ALL- MRD (T cell)	Blood, Bone marrow	EDTA	6-8 mL Bone marrow in EDTA/Heparin Vacutainer in TWO separate vials	24 hrs	Flow Cytometry	Transport in 2 to 8°C (with cold pack), EDTA sample in 48 hrs and Heparin in 72 hrs	2 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
13	11832	HLA Typing High Resolution (A,B,C,DR, DQ, DPB1)	Blood/Buccal Swab	EDTA/Buccal Swab	Buccal Swab/6-10 mL Peripheral blood in EDTA (Lavendor top) tube	24 hrs	Next Generation Sequencing	Ship in Ambient/cool packs condition. Stable at 4°C for 72 hours.	5 days
14	11833	Single Antigen Bead Assay (SAB) Class I and II IgG Antibodies	Blood,	SST(Gel)	3ml serum 1SST	24 hrs	Luminex xMAP Technology	Ship refrigerated	Sample by 10 am, report next day
15	11850	Chimerisum- Pre Engrftment Donor and Recipient	Blood, Bone marrow	EDTA	4mL (2 mL min) Peripheral blood/ bone marrow in 1 Lavendor (EDTA) tube	24 hrs	Polymerase Chain Reaction, Fragment analysis	Ship refrigerated. Do not Freeze	7 days
16	11834	XY Chimerisum Recipient Only	Blood, Bone marrow	EDTA/	3-4 mL bone marrow / Peripheral blood in Heparin (Green Top) tube	24 hrs	Fluorescence In Situ Hybridization	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	5 days
17	11869	Chimerisum Post Engraftment	Blood	EDTA	4mL (2 mL min) Peripheral blood/ bone marrow in 1 Lavendor (EDTA) tube	24 hrs	Polymerase Chain Reaction, Fragment analysis	Ship refrigerated. Do not Freeze	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
18	11835	CMV Quantitative	Blood,	EDTA/SST(Gel)	2 mL (1 mL min. serum from 1SST)/2mL (1mL min. Plasma from 1 Lavendor top (EDTA) tube. Separate plasma/Serum aseptically from whole blood within 2 hours of collection	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated or frozen	sample by Tue, Thur, sat, report by Wed, Fri, Mon
19	11836	Adenovirus Qualitative	Blood,	EDTA	3 mL (2 mL min.) peripheral in lavender top (EDTA) vacutainer OR 3mL(2mL min)CSF in screw capped container	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated. Do not Freeze. Stability: Room Temp - 6 Hrs, Refrigerated - 72 Hrs	Sample by Saturday/Wednesday, report in 5 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
20	11837	Epstein -Barr Virus (EBV) DNA Quantitative	Blood/ Body Fluid	EDTA/SST(Gel)/Screw cap container	2 mL Peripheral blood collected in EDTA (Lavendor Top)/2 mL plasma in EDTA or 2ml serum in SST, CSF/Bal fluid collected in Screw cap container	24 hrs	Real Time Polymerase Chain Reaction	Transport at ambient (18-25°C) temperature	Sample by Tuesday/ Friday as cut off time at 1pm, reports by Wednesday/Saturday
21	11838	BK Virus, Quantitative	Blood/Urine	EDTA/Screw cap container	3 mL (2 mL min) plasma from 1 Lavender top (EDTA tube) OR 15 mL(5 mL min) random urine in a screw capped container	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated or frozen	Sample by Mon/Wed/Fri/Report by Tue/Thur/Sat
22	11868	Parvovirus B19 antibodies Panel IgG and IgM	Blood	SST(Gel Tube)	2 mL(1mL min) serum form 1SST	24 hrs	Polymerase Chain Reaction	Ship refrigerated	Mon;Report in 4 working day
23	NGSELP001	NGs Extended Leukemia Panel	Blood	EDTA	3-4 Ml Plasma from 2Lavendor top (EDTA tube)	24 hrs	Next Generation Sequencing	Transport at ambient (18-25°C) temperature	Sample by Satur day Report in 12 working day
24	PHY001	HLA –B27 Quantitative (PCR)	Bood	EDTA	3-4 Ml Plasma from 2Lavendor top (EDTA tube)	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated. Do not Freeze	cut of 12 Pm; report next day

SECTION: Microbiology and Infectious Disease Serology, SJMCH

Tests under scope of NABL accreditation									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LMIC_10402	Acid fast staining	Sputum, Broncheo-alveolar lavage (BAL), Endotracheal Secretions, bone marrow, stool, Pus, Aspirates, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites. Urine, Tissue specimens	Sterile screw capped container/dead capped syringe (add sterile saline for tissue samples)	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forth the container should be filled for urine, stool and sputum samples	24/7	Ziehl Neelsen Staining and Light Microscopy/	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
2	LMIC_10403	Albert's Staining	Throat swab	Sterile cotton swab in tube	2 swabs in 2 separate sterile tubes to be sent together	24/7	Staining and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
3	LMIC_10462	KOH/Calcoflour White examination	Sputum, Throat Swab, BAL, Endotracheal Tube Tip/ Secretions, Pus , Aspirates, Wound Swabs, Sterile Body Fluids Other Than Blood And Bone Marrow, Miscellaneous samples - Ear swab/ discharge, Eye Swab/discharge, Corneal scraping, Conjunctival swab, Nasal swab/ discharge, Axillary swab, Groin swab, Umbilical swab, Surface swab, Cervical Swab, Placental Swab, Vaginal Swab/secretions, Semen, Urethral swab/discharge - Tissue specimens - Intravascular devices: Central Line Tip/ IV Cannula Tip/ Suction Tip of Nephrostomy Tube/ CVP Line Tip/ umbilical line tip etc Urine, Skin Scrapings/ Hair/ Nail Samples	Sterile screw capped container/dead capped syringe (add sterile saline in container for tissue samples),Sterile cotton swab in tube, hair skin and nail scraping to be sent in dry sterile envelope	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for urine,stool and sputum samples, 2 swabs in 2 separate sterile tubes to be sent together	24/7	Staining and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
4	LMIC_10464	Fluorescent Staining for AFB	Sputum, Broncheo-alveolar lavage (BAL), Endotracheal Secretions, bone marrow, stool, Pus, Aspirates, sterile body fluids - pleural, ascitic, synovial,bile, peritonial dialysate, CSF, aspirate from organs/other sites. Urine, Tissue specimens	Sterile screw capped container/dead capped syringe (add sterile saline for tissue samples)	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for urine, stool and sputum samples	24/7	Auramine-Rhodamine Staining and Fluorescent Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
5	LMIC_10410	Gram staining	Sputum, Throat swab, Broncheo-alveolar lavage (BAL), Endotracheal Secretions, Pus , Aspirates, Wound Swabs, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites, acqueous, vitreous. Urine, Miscellaneous samples - Ear swab/ discharge, Eye Swab/discharge, Corneal scraping, Conjunctival swab, Nasal swab/ discharge, Axillary swab, Groin swab, Umbilical swab, Surface swab, Cervical Swab, Placental Swab, Vaginal Swab/secretions, Semen, Urethral swab/discharge -Tissue specimens	Sterile screw capped container/dead capped syringe (add sterile saline in container for tissue samples), Sterile cotton swab in tube	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for urine,stool and sputum samples, 2 swabs in 2 separate sterile tubes to be sent together	24/7	Staining and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
6	LMIC_10436	Hanging Drop for Vibrio cholerae	Stool	Wide mouthed screw capped sterile container	Not more than three forths the container should be filled for stool samples	24/7	Wet mount Preparation and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
7	LMIC_11113	Hydatid Cyst - Wet Mount	Pus aspirate/fluid from liver abscess, lung, Any pus aspirate/fluid from a suspected case of hydatid cyst	Sterile screw capped container/dead capped syringe	A minimum of 2 ml for all aspirates or sterile body fluids	24/7	Wet mount preparation and Light Microscopy	Deliver to lab immediatel y after collection (not more than 30 minutes)	2 hrs
8	LMIC_10438	India Ink staining	Cerebro spinal fluid	Sterile container	A minimum of 2 ml	24/7	Negative Staining and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
9	LMIC_10423	Stain for protozoa	Stool, Pus aspirate/fluid from liver abscess, Bile fluid, any pus aspirate/fluid where one or more of the following protozoan parasites is/are suspected (Entamoeba histolytica, Giardia lamblia, Cryptosporidium spp, Cyclospora spp, Isospora belli)	Sterile screw capped container/dead capped syringe for aspirates, Wide mothed screw capped sterile container for stool	A minimum of 2 ml for all aspirates or sterile body fluids, Not more than three forths the container should be filled for stool samples (Two stool samples one with and one without poly vinyl alcohol additive)	24/7	Wet mount Trichrome/ Modified Ziehl Neelsen Staining and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	48 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
10	LMIC_10424	Staining for Pneumocystis jirovecii	Sputum, Broncho-alveolar lavage (BAL)	Sterile screw capped container/dead capped syringe	A minimum of 2 ml for BAL, not more than three forths the container should be filled for sputum samples	24/7	Toluidine blue Staining and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	48 hrs
11	LMIC_10543	Wet Mount	Pus, Aspirates, Sterile body fluids, stool, urine, Sputum, BAL, Vaginal secretions	Sterile screw capped container/dead capped syringe for aspirates, Wide mothed screw capped sterile container for stool	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for urine, stool and sputum samples	24/7	Wet mount preparation and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
12	LMIC_10460	Aerobic Culture and Susceptibility (manual)	Sputum, Throat swab, Broncheo-alveolar lavage (BAL), Endotracheal Secretions, Stool, Pus, Aspirates, Wound Swabs, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites, acqueous, vitreous. Urine, Miscellaneous samples - Ear swab/ discharge, Eye Swab/discharge, Corneal scraping, Conjunctival swab, Nasal swab/ discharge, Axillary swab, Groin swab, Umbilical swab, Surface swab, Cervical Swab, Placental Swab, Vaginal Swab/secretions, Semen, Urethral swab/discharge - Tissue specimens - Intravascular devices: Central Line Tip/ IV Cannula Tip/ Suction Tip of Nephrostomy Tube/ CVP Line Tip/ umbilical line tip etc.	Sterile screw capped container/dead capped syringe (add sterile saline in container for tissue samples), Sterile cotton swab in tube	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for urine, stool and sputum samples, 2 swabs in 2 separate sterile tubes to be sent together	24/7	Culture - Manual, Identification - Manual/Automated/ MALDI TOF, AST-manual (Kirby Bauer disc diffusion method)/Automated	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
13	LMIC_10425	Anaerobic Culture (Manual/conventional)	Pus, Aspirates, Tissue specimens, Stool for Clostridium difficile, Bronchial Washing, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites, acqueous, vitreous, Granules	Sterile screw capped container/dead capped syringe (add sterile saline in container for tissue samples)	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container	24/7	Culture - Manual, Identification - Manual/Automated/ MALDI TOF	Deliver to lab immediately after collection (not more than 30 minutes)	5 days
14	LMIC_10537	Automated anaerobic culture (blood, sterile body fluids)	Blood, bone marrow, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites	Automated blood culture bottle (Orange cap) Strict aseptic precautions to be followed prior to collection	For blood Adults - 8 to 10 ml, Paediatric - 1-4 ml, For bone marrow aspirate and other fluids atleast 2 ml	24/7	Culture - automated, Identification - Manual/Automated/ MALDI TOF	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs
15	LMIC_10446	Automated Aerobic Culture and sensitivity (blood, sterile body fluids)	Blood, bone marrow, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites	Automated blood culture bottle (Adults - Green cap, Paediatric - Yellow cap) Strict aseptic precautions to be followed prior to collection	For blood Adults - 8 to 10 ml, Paediatric - 1-4 ml, For bone marrow aspirate and other fluids atleast 2 ml	24/7	Culture - automated, Identification - Manual/Automated/ MALDI TOF, AST-manual (Kirby Bauer disc diffusion method)/Automated	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
16	LMIC_10538	Automated fungal culture (blood, sterile body fluids)	Blood, bone marrow, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites	Automated blood culture bottle (Adults - Green cap, Paediatric - Yellow cap) Strict aseptic precautions to be followed prior to collection	For blood Adults - 8 to 10 ml, Paediatric - 1-4 ml, For bone marrow aspirate and other fluids atleast 2 ml	24/7	Culture - automated, Identification - Manual/Automated/ MALDI TOF, Antifungal Susceptibility Testing for yeast, by automated method wherever applicable	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
17	LMIC_10409	Fungal Culture and susceptibility (Manual/conventional)	Sputum, Throat Swab, BAL, Endotracheal Tube Tip/ Secretions, Pus , Aspirates, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites, acqueous, vitreous. Wound Swabs, Miscellaneous samples - Ear swab/ discharge, Eye Swab/discharge, Corneal scraping, Conjunctival swab, Nasal crust Nasal swab/ discharge, Axillary swab, Groin swab, Umbilical swab, Surface swab, Cervical Swab, Placental Swab, Vaginal Swab/secretions, Semen, Urethral swab/discharge Tissue specimens Intravascular devices: Central Line Tip/ IV Cannula Tip/ Suction Tip of Nephrostomy Tube/ CVP Line Tip/ umbilical line tip etc. Urine, Skin Scrapings/ Hair/ Nail Samples	Sterile screw capped container/dead capped syringe (add sterile saline in container for tissue samples), Sterile cotton swab in tube, hair skin and nail scraping to be sent in dry sterile envelope, corneal scraping sample collected and directly plated on culture media	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for urine, stool and sputum samples, 2 swabs in 2 separate sterile tubes to be sent together	24/7	Culture, Manual Identification, Manual/Automated/ MALDI TOF, Antifungal Susceptibility Testing for yeast and mould, by automated method and manual micro broth dilution wherever applicable	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
18	*LMIC_11265	Identification of Fungal Isolate	Fungal Isolate	SDA tube or plate media with growth	1 plate media/tube	24/7	Identification, Manual/Automated/ MALDI TOF	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
19	LMIC_10401	Mycobacterial culture automated	Sputum, Broncheo-alveolar lavage (BAL), Endotracheal Secretions, bone marrow, stool, Pus, Aspirates, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites. Urine, Tissue specimens	Sterile screw capped container/dead capped syringe (add sterile saline for tissue samples), sterile glass container for urine	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for stool sample, early morning urine sample for three consecutive days minimum 200 ml	24/7	Culture (Automated) BACTEC MGIT 960 and identification by MPT-64	Deliver to lab immediately after collection (not more than 30 minutes)	8 weeks

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
20	**LMIC_11114	Mycobacterial culture urine sample 2	Urine, as per the collection for Mycobacterial culture	Sterile glass container	Early morning urine sample for three consecutive days minimum 200 ml	24/7	Culture (Automated) BACTEC MGIT 960 and identification by MPT-64	Deliver to lab immediately after collection (not more than 30 minutes)	8 weeks
21	**LMIC_11115	Mycobacterial culture urine sample 3	Urine, as per the collection for Mycobacterial culture	Sterile glass container	Early morning urine sample for three consecutive days minimum 200 ml	24/7	Culture (Automated) BACTEC MGIT 960 and identification by MPT-64	Deliver to lab immediately after collection (not more than 30 minutes)	8 weeks
22	LMIC_11289	Paired Blood Culture - Automated	Blood	Automated blood culture bottle (Adults - Green cap, Paediatric - Yellow cap, Anaerobic orange cap) Strict aseptic precautions to be followed prior to collection	2 bottles to be collected Adults - 8 to 10 ml, Paediatric - 1-4 ml	24/7		Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
23	*LMIC_11264	Serotyping of bacterial isolate	Bacterial isolate	Culture media (Blood agar plate/CLED/ Mac conkey agar plate) with growth of bacterial colonies	1 culture plate	24/7	Manual identification by serotyping	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs
24	LMIC_11290	RNTCP Sputum smear microscopy	Sputum	Sterile screw capped container	2 samples (1 early morning and 1 spot sample), For follow up cases one sample	24/7	Auramine-Rhodamine Staining and Fluorescent Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	36hrs
25	LMIC_7	Antifungal susceptibility testing	Fungal isolate	SDA tube or plate media	1, the lab to be contacted for the isolates which are already in the lab	24/7	Antifungal Susceptibility Testing for yeast and mould, by automated method and manual micro broth dilution wherever applicable	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
26	LMIC_10444	Leptospira IgM antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELISA-qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	48 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
27	LMIC_10534	Dengue IgG antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	4 hrs
28	LMIC_10522	Dengue IgM antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	4 hrs
29	***LMIC_10542	Dengue combined package (NS1+IgM+IgG)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	4 hrs
30	LMIC_10541	Dengue NS1 antigen	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	4 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
31	LMIC_10523	Herpes Simplex Virus (HSV) IgG antibodies Type 1 (Quantitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELISA-qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs
32	LMIC_10507	Herpes Simplex Virus (HSV) IgG antibodies Type 2 (Quantitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELISA-qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs
33	LMIC_10533	Herpes Simplex Virus (HSV) IgM antibodies type 2	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELISA-qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
34	LMIC_11102	Aspergillus Galactomannan Assay	Serum, Bronchoalveolar lavage	Sterile container for BAL, Vacutainer without anticoagulants (Red capped tube) for serum	A minimum of 2 ml for BAL in sterile container, 4ml of blood in red vacutainer for serum	24/7	ELISA-qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	72 hrs
35	LMIC_11263	Interferon-Gamma Release Assay (TB)	Whole Blood	Lithium heparin tube (Green capped vacutainer)	4ml of blood	24/7	ELISA-qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
36	LMIC_10697	Procalcitonin	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA	Deliver to lab immediately after collection (not more than 30 minutes)	4 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
37	LMIC_10408	C-Reactive Protein (CRP) (Qualitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry-quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
38	LMIC_10405	Anti Streptolysin O (Quantitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry-quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
39	LMIC_10432	Complement C3 (Quantitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry-quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
40	LMIC_10509	Complement C4 (Quantitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry-quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
41	LMIC_10414	Rheumatoid factor (Quantitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry-quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
42	LMIC_10528	Total IgE	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36hrs
43	LMIC_10404	TPHA Test	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Haemagglutination	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
44	LMIC_10416	VDRL test	Serum, Cerebro spinal fluid	Sterile container for CSF, Vacutainer without anticoagulants (Red capped tube) for serum	A minimum of 2 ml for CSF in sterile container, 4ml of blood in red vacutainer for serum	24/7	Slide flocculation	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
45	LMIC_10407	Brucella – Standard Agglutination Test	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Tube agglutination - semiquantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
46	LMIC_10532	Rapid Test for Chikungunya IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Lateral flow immunochromatography	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
47	LMIC_10411	Paul Bunnel Test	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Hemagglutination-semiquantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
48	LMIC_10417	Weil Felix Test	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Tube agglutination - semiquantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
49	LMIC_10418	Widal Test	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Tube agglutination – semiquantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
50	LMIC_10433	Antibodies to Hepatitis B surface antigen (Anti HBs) (Quantitative)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
51	***LMIC_10456	Acute Hepatitis Markers	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
52	LMIC_10440	Hepatitis A virus IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
53	LMIC_10452	Hepatitis B e Antibody (antiHBe)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
54	LMIC_10434	Hepatitis B e Antigen (HBeAg)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
55	***LMIC_10511	Hepatitis B Markers Profile (HBsAg, AntiHBs, HBeAg, AntiHBe, AntiHBcIgM)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
56	LMIC_10427	Hepatitis B Surface Antigen (HBs Ag)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	4 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
57	LMIC_10435	IgM to Hepatitis B Core antigen (antiHBcIgM)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
58	LMIC_11296	Total Hepatitis B core antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
59	LMIC_10513	Hepatitis E virus IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA – qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
60	LMIC_10510	Antibodies to Hepatitis C virus (Anti HCV)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
61	LMIC_10426	Human Immunodeficiency virus test	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/8	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	4 hrs
62	LMIC_10505	Rubella virus IgG antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
63	***LMIC_10508	TORCH IgG	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
64	***LMIC_10431	TORCH IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
65	LMIC_10504	Toxoplasma IgG antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
66	LMIC_10506	Cytomegalovirus IgG antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
67	LMIC_10430	Cytomegalovirus IgM antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
68	LMIC_10429	Rubella Virus IgM antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
69	LMIC_10428	Toxoplasma IgM antibodies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
70	LMIC_10419	Cryptococcal Antigen test	Cerebrospinal fluid, Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Lateral flow immunochromatography	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
71	LMIC_11295	Scrub typhus IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELISA-qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	48 hrs
72	***LMIC_11609	Pre chemotherapy screening panel for Hepatitis B (HBsAg, Anti HbS, Total HepB core Ab)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CMIA	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
73	***LMIC_11409	Febrile agglutination package (Widal, Weil felix, Brucella agglutination test, Paul Bunnel test)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Tube agglutination	Deliver to lab immediately after collection (not more than 30 minutes)	36hrs
74	LMIC_10524	Rapid Malaria Antigen test	Whole Blood	Vacutainer with EDTA (Purple capped tube)	4ml of blood	24/7	Immunochromatography	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
75	LMIC_11598	Clostridium difficile Toxin assay	Stool	Sterile screw capped container	Not more than three forths the container should be filled for Stool	24/7	ELFA - qualitative	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs
76	LMIC_2	Immunoglobulin G	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
77	LMIC_4	Immunoglobulin M	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
78	LMIC_3	Immunoglobulin A	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry - quantitative	Deliver to lab immediately after collection (not more than 30 minutes)	36 hrs
79	LMIC_5	1-3 Beta D Glucan test	Serum	Vacutainer without anticoagulants (Red capped tube) Strict aseptic precautions to be followed	4ml of blood	24/7	Protease zymogen based calorimetric Limulus amoebocyte lysate pathway based assay	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs
80	LMIC_6	Histoplasma antigen test	Urine	Sterile screw capped container	Not more than three forths the container should be filled for urine	24/7	Immunochromatographic assay – lateral flow	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
82	***LMIC_10526	Nugents score for bacterial vaginosis	Vaginal swab, cervical swab	Sterile cotton swab in tube	1 swab	24/7	Staining and Light Microscopy	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs
		*Charge code created for isolates received for further identification							
		**Charge code created for second and third samples of urine received consecutively							
		*** These are panels/individual tests available as separate charge codes with all individual tests under the scope							

Tests not under scope of NABL accreditation									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LMIC_11107	Mycobacterial culture and sensitivity to second line drugs	Sputum, Broncheo-alveolar lavage (BAL), Endotracheal Secretions, bone marrow, stool, Pus, Aspirates, sterile body fluids - pleural, ascitic, synovial,bile,peritonial dialysate, CSF,aspirate from organs/other sites. Urine, Tissue specimens	Sterile screw capped container/dead capped syringe (add sterile saline for tissue samples), sterile glass container for urine	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for stool sample, early morning urine sample for three consecutive days minimum 200 ml	24/7	Culture (Automated) BACTEC MGIT 960 and identification by MPT-64	Deliver to lab immediately after collection (not more than 30 minutes)	8 weeks for culture + additional 2 weeks for susceptibility

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
2	LMIC_10463	Mycobacterial culture and sensitivity to Streptomycin, Isoniazid, Rifampicin, Ethambutol (SIRE)	Sputum, Broncheo-alveolar lavage (BAL), Endotracheal Secretions, bone marrow, stool, Pus, Aspirates, sterile body fluids - pleural, ascitic, synovial,bile,peritonial dialysate, CSF,aspirate from organs/other sites. Urine, Tissue specimens	Sterile screw capped container/dead capped syringe (add sterile saline for tissue samples), sterile glass container for urine	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for stool sample, early morning urine sample for three consecutive days minimum 200 ml	24/7	Culture (Automated) BACTEC MGIT 960 and identification by MPT-64	Deliver to lab immediately after collection (not more than 30 minutes)	8 weeks for culture + additional 2 weeks for susceptibility

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
3	LMIC_11101	Mycobacterial culture and sensitivity to Streptomycin, Isoniazid, Rifampicin, Ethambutol (SIRE)and Pyrazinamide (PZA)	Sputum, Broncheo-alveolar lavage(BAL), Endotracheal Secretions, bone marrow, stool, Pus, Aspirates, sterile body fluids - pleural, ascitic, synovial,bile,peritonial dialysate, CSF,aspirate from organs/other sites. Urine, Tissue specimens	Sterile screw capped container/dead capped syringe (add sterile saline for tissue samples), sterile glass container for urine	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for stool sample, early morning urine sample for three consecutive days minimum 200 ml	24/7	Culture (Automated) BACTEC MGIT 960 and identification by MPT-64	Deliver to lab immediately after collection (not more than 30 minutes)	8 weeks for culture + additional 2 weeks for susceptibility report
4	LMIC_11297	SARS CoV – 2 Rapid antigen test	Nasopharyngeal swab	Nylon flocked swab and extraction buffer tube	Insert one swab in the extraction buffer tube immediately after collection. Place this in another sterile outer screw capped container and send to the lab. DO NOT PLACE SWAB IN VTM.	24/7	Lateral flow immunochromatography	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
5	LMIC_11917	SARS-CoV-2 Point of CareTest (POCT)	Nasopharyngeal Swab	Nylon flocked swabs (as a dry swab)	One swab placed back into the swabpacket and place swab packet in ziplock plastic cover and sent to the lab. DO NOT PLACE SWAB IN VTM.	24/7	Isothermal amplification	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
6	LMIC_11278	Multiplex PCR Blood culture panel	Blood culture bottle which has flagged positive	Automated blood culture bottle (Adults - Green cap, Paediatric - Yellow cap) Strict aseptic precautions to be followed prior to collection	For blood Adults - 8 to 10 ml, Paediatric - 1-4 ml, for bone marrow aspirate and other fluids atleast 2 ml. THIS TEST IS PERFORMED ON A FLAGGED BLOOD CULTURE ONLY	24/7	Automated Nested Multiplex PCR	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
7	LMIC_11280	Multiplex PCRMeningoencephalitis+ Additional Bacteria and Fungal Panel	Cerebrospinal fluid	Sterile container	A minimum of 2 ml	24/7	Automated Nested Multiplex PCR	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
8	LMIC_11279	Multiplex PCRMeningoencephalitis (ME) Panel	Cerebrospinal fluid	Sterile container	A minimum of 2 ml	24/7	Automated Nested Multiplex PCR	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
9	LMIC_11292	Multiplex PCR Lower Respiratory Panel	Endo tracheal secretion, BAL, Tracheal secretion, Sputum	Sterile screw capped container/dead capped syringe (add sterile saline in container for tissue samples), Sterile cotton swab in tube	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three forths the container should be filled for urine,stool and sputum samples, 2 swabs in 2 separate sterile tubes to be sent together	24/7	Automated Nested Multiplex PCR	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
10	LMIC_11200	Allergy panel for Asthma & Rhinitis	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
11	LMIC_11205	Allergy panel for ENT allergies	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
12	LMIC_11203	Allergy panel for Non-veg food + House dust mite + Animal dander (dog, cat)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
13	LMIC_11204	Allergy panel for Veg food + House dust mite + Animal dander (dog,cat)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
14	LMIC_11226	Specific IgE for Alternaria alternata	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
15	LMIC_11221	Specific IgE for Aspergillus fumigatus	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
16	LMIC_11239	Specific IgE for Banana	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
17	LMIC_11206	Specific IgE for Bermuda grass	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
18	LMIC_11217	Specific IgE for Cat dander	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
19	LMIC_11237	Specific IgE for Chick pea	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
20	LMIC_11227	Specific IgE for Cladosporium herbarum	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
21	LMIC_11219	Specific IgE for Cockroach	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
22	LMIC_11215	Specific IgE for Common pigweed	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
23	LMIC_11212	Specific IgE for Common ragweed (Parthenium)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
24	LMIC_11216	Specific IgE for Dog dander	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
25	LMIC_11228	Specific IgE for Egg (whole)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
26	LMIC_11210	Specific IgE for Elm	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
27	LMIC_11209	Specific IgE for Eucalyptus (gum tree)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
28	LMIC_11229	Specific IgE for Fish (cod)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
29	LMIC_11214	Specific IgE for Goosefoot	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
30	LMIC_11208	Specific IgE for Grey alder	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
31	LMIC_11218	Specific IgE for House dust mite	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
32	LMIC_11207	Specific IgE for Johnson grass (Jowar)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
33	LMIC_11238	Specific IgE for Lemon/Citrus	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
34	LMIC_11211	Specific IgE for Mesquite	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
35	LMIC_11232	Specific IgE for Milk	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
36	LMIC_11213	Specific IgE for Mugwort	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
37	LMIC_11234	Specific IgE for Peanut	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
38	LMIC_11225	Specific IgE for Penicillium notatum	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
39	LMIC_11235	Specific IgE for Red kidney bean	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
40	LMIC_11230	Specific IgE for Shrimp	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
41	LMIC_11236	Specific IgE for Soyabean	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
42	LMIC_11233	Specific IgE for Wheat	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
43	LMIC0011	Itraconazole Level in Serum	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	High Performance Liquid Chromatography	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
44	LMIC0012	Multiplex PCR - Gastrointerinal Panel	Stool	Stool in culture container	Not more than three forths the container should be filled for Stool	24/7	Automated Nested Multiplex PCR	Deliver to lab immediatel y after collection (not more than 30 minutes)	2 hrs
45	LMIC0013	Multiplex PCR - Upper Respiratory Panel	Nasopharyngeal or Oropharyngeal Swab	Nasopharyngeal or Oropharyngeal Swab in VTM	nylon flocked swabs	24/7	Automated Nested Multiplex PCR	Deliver to lab immediately after collection (not more than 30 minutes)	2 hrs
46	LMIC0014	PCR for Aspergillus	Tissue, biopsy, BAL, Sputum, sterile body fluids, pus and serum	Vacutainer without anticoagulants for serum (Red capped tube), other samples in sterile container.	4ml of blood	24/7	Real time PCR	Deliver to lab immediatel y after collection (not more than 30 minutes)	48 hours

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
47	LMIC0015	PCR for Mucorales	Tissue, biopsy, BAL, Sputum, sterile body fluids, pus and serum	Vacutainer without anticoagulants for serum (Red capped tube), other samples in sterile container.	4ml of blood	24/7	Real time PCR	Deliver to lab immediately after collection (not more than 30 minutes)	48 hours
48	LMIC0016	Posaconazole Level in Serum	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	High Performance Liquid Chromatography	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs
49	LMIC0017	Specific IgE for Aspergillus Mix (A.fumigatus, A.flavus, A.niger, A.terreus)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
50	LMIC0018	Specific IgE for Mould Mix (Pencillium, Aspergillus, Alternaria, Cladosporium)	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
51	LMIC0019	Voriconazole Level in Serum	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	High Performance Liquid Chromatography	Deliver to lab immediately after collection (not more than 30 minutes)	24 hrs
52	LMIC_10	Aspergillus IgG	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay fluorescent detection (Immunocap)	Deliver to lab immediately after collection (not more than 30 minutes)	7 days
Tests outsourced									

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
1	11573	Adenovirus IgG	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Thursday; Report will be available 2 days later
2	11572	Adenovirus IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme immunoassay	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Thursday; Report will be available 2 days later
3	11576	Amoebiasis IgG	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	IHA	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Monday &Thursday; Report will be available 2 days later

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
4	11574	Aspergillus IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Immunocapture	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Monday; Report will be available 3 days later
6	10696 and 10693	H1N1 Real Time RTPCR and Collection Apparatus (H1N1)	Nasal/Nasopharyngeal and Oropharyngeal swab, BAL, Endotracheal secretions in VTM	Nylon flocked swab and one Viral transport medium (VTM) to be sent with triple packaging	One swab in VTM with triple packaging	24/7	Real time PCR	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Monday, Wednesday, Friday; Report will be available 2 days later
7	11577	HBV Genotyping	Blood in EDTA	Vacutainer with EDTA (Purple capped tube)	4ml of blood	24/7	PCR and Sequencing	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Monday; Report will be available 4 days later

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
8	11578	HCV Genotyping	Blood in EDTA	Vacutainer with EDTA (Purple capped tube)	4ml of blood	24/7	PCR and Sequencing	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Tuesday & Friday; Report will be available 2 days later
9	11580	Parvovirus B19 1gM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme Immunoassay	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Wednesday; Report will be available 3 days later
10	11581	Serum IgG4 Subclass	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Nephelometry	Deliver to lab immediately after collection (not more than 30 minutes)	2 days
11	11584	Total Serum IgD	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Flow cytometry	Deliver to lab immediately after collection (not more than 30 minutes)	2 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
12	11826	Brucella IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme Immunoassay	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Wednesday, Saturday; Report will be available 3 days later
13	11827	EBV IgM antibody to VCA	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CLIA	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Monday; Report will be available 2 days later
14	11828	Echinococcus (Hydatid cyst) IgG	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Enzyme Immunoassay	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Tuesday & Friday; Report will be available 2 days later

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
15	11829	Mycoplasma pneumoniae IgM	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	CLIA	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Monday, Thursday; Report will be available 2 days later
16	PHY00154	IgG Mumps	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA	Deliver to lab immediately after collection (not more than 30 minutes)	2 days
17	PHY00155	IgG Measles	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA	Deliver to lab immediately after collection (not more than 30 minutes)	Done only on Tuesday & Friday; Report will be available 2 days later.

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
18	PHY00174	IgM Mumps	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Chemiluminescence Immunoassay (CLIA)	Deliver to lab immediately after collection (not more than 30 minutes)	2 days
19	PHY00175	IgM Measles	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	Chemiluminescence Immunoassay (CLIA)	Deliver to lab immediately after collection (not more than 30 minutes)	2 days
20	PHY00184	Varicella - Chickenpox	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA	Deliver to lab immediately after collection (not more than 30 minutes)	2 days
21	PHY00169	VZV IgG Antibody	Serum	Vacutainer without anticoagulants (Red capped tube)	4ml of blood	24/7	ELFA	Deliver to lab immediately after collection (not more than 30 minutes)	2 days

Section: MICROBIOLOGY-MOLECULAR TESTING FOR INFECTIOUS DISEASE, SJMCH, SJMC & SJRI

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
1	LMIC_11693	RT PCR for SARS CoV-2	Nasal/Nasopharyngeal and Oropharyngeal swab, BAL/Endotracheal secretions in VTM	Viral Transport Medium (VTM)	2 nylon flocked swabs/ minimum 1 ml of BAL or Endotracheal secretions	24/7	Real Time RT PCR (Open System)	Deliver to lab immediately (not more than 2 hours)	48 hrs
2	LMIC_10550	Genexpert TB (TB PCR)	Sputum, BAL, Endotracheal secretions, Pus, Aspirates, sterile body fluids - pleural, ascitic, synovial, bile, peritonial dialysate, CSF, aspirate from organs/other sites. urine, tissue specimens. (This test is not done on Swab samples, Blood, Bone marrow aspirate and stool samples. However bone marrow biopsy (trephine biopsy) can be sent in sterile saline in a separate container)	Sterile screw capped container/dead capped syringe (add sterile saline for tissue samples)	A minimum of 2 ml for all aspirates or sterile body fluids, not more than three fourths the container should be filled, early morning urine sample for two consecutive days.	24/7	Real Time PCR (Closed System)	Deliver to lab immediately (not more than 2 hours)	72 hrs

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
3	LMIC_10467	HIV PCR Quantitative /Viral Load	Whole blood	Vacutainer with EDTA (Purple capped tube)	6 ml of Blood (2 vacutainers)	24/7	Real Time PCR (Closed System)	Deliver to lab immediately (not more than 2 hours)	72 hrs
4	LMIC_11112	HCV PCR Quantitative/Viral Load	Whole blood	Vacutainer with EDTA (Purple capped tube)	6 ml of Blood (2 vacutainers)	24/7	Real Time PCR (Closed System)	Deliver to lab immediately (not more than 2 hours)	72 hrs
5	LMIC_11250	CMV PCR Quantitative/Viral Load	Whole blood	Vacutainer with EDTA (Purple capped tube)	3 ml of Blood	24/7	Real Time PCR (Open System)	Deliver to lab immediately (not more than 2 hours)	7 days
6	LMIC_11690	HBV PCR Quantitative / Viral Load	Whole blood	Vacutainer with EDTA (Purple capped tube)	6 ml of Blood (2 vacutainers)	24/7	Real Time PCR (Closed System)	Deliver to lab immediately (not more than 2 hours)	72 hrs
7	LMIC_9	HPV PCR Qualitative	Cervical brush specimen, self-collected vaginal brush specimen	BD SurePath vial	One sterile brush specimen in the vial	24/7	Real Time PCR (Open System)	Deliver to lab immediately (not more than 2 hours)	8 days

PATHOLOGY (HISTOPATHOLOGY & CYTOPATHOLOGY), SJMCH
Tests under scope of NABL accreditation

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
1	LHPY_110018	Biopsy Paraffin Method (Small-OPD) *	Formalin fixed tissues	10% neutral buffered formalin	NA	NA	Gross and Microscopic examination of stained tissue sections	NA	Upto 4 working days
2	LHPY_110024	Biopsy Paraffin Method (Small-IP) *							Upto 4 working days
3	LHPY_110019	Biopsy Paraffin Method (Large-IP) *							Upto 7 working days
4	LHPY_110049	Radical Resection Specimens for Malignancies *							Upto 7 working days
5	LHPY_11008	Frozen section including Paraffin section	Fresh unfixed tissue	Without fixative/saline	NA	Soon after collection	Gross and Microscopic examination of frozen & paraffin sections/Enzyme histochemistry for Acetylcholinesterase with microscopic examination of tissue for Hirschprungs disease	NA	30 minutes per sample
6	LHPY_110036	Slide/Block for consultation /In house	Slides/paraffin block (<4 slide/block)	NA	NA	NA	Microscopic examination of stained tissue sections/smears	NA	Upto 4 working days for small biopsy; upto 7 working days for large specimens/resection
7	LHPY_110037		Slides/paraffin block (>4 slide/block)						

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
8	LHPY_11016	Immunohistochemistry panel-General	Fixed tissue & paraffin blocks	NA	NA	NA	Polymer technology	NA	Upto 7 working days
9	LHPY_110029	Immunohistochemistry Lymphoma panel							
10	LHPY_11009	Direct Immunofluorescence	Fresh tissue - Skin	Michel's transport medium/Normal saline	NA	within 1 hour if sent in normal saline	Direct immunofluorescence and microscopic examination of tissues	upto 5 days if room temperature <35^{o}C in Michel's medium; upto 2 days if room temperature >35^{o}C in Michel's medium	Upto 4 working days
11	LHPY_11003 4		Fresh tissue - Kidney						
12	LHPY_11005	Fine Needle Aspiration Cytology (FNAC)	Tissues (In vivo)	Fixed/air dried smears	NA	NA	Microscopic examination of stained smears	NA	Upto 2 working days
13	LHPY_11002 7	FNAC – CT/MRI Guided/ smears received from wards							
14	LHPY_11002 1	Body fluids and for malignant cells	Exfoliative Cytology (upto 3 samples)	Plain bottle	2 ml	Soon after collection	Microscopic examination of stained smears	24 hours at 2-8^{o}C	Upto 2 working days
15	LHPY_11002 5		Exfoliative Cytology (more than 3 samples)		2 ml				

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
16	LHPY_110 017	Cervical smears	Exfoliative Cytology	Fixed smears	NA	NA	Microscopic examination of stained smears	NA	Upto 3 working days
17	LHPY_110 050	LBC for cervical cytology	Cervical sample	LBC collection vial	NA	NA	Liquid based cytology	15 days at 2-8^{o}C	Upto 3 working days
18	LHPY_110 11	Anti-nuclear antibody (ANA) by IIF method	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	Indirect Immunofluorescence	2-8^{o}C upto 14 days	Run in batches of 10 samples, upto 2 working days
19	LHPY_110 14	Anti-nuclear cytoplasmic antibodies (ANCA) by IIF method	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	Indirect Immunofluorescence	2-8^{o}C upto 14 days	Run in batches of 5 samples, upto 14 days
20	LHPY_110 023	Liver mosaic (LM)	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	Indirect Immunofluorescence	2-8^{o}C upto 14 days	Run in batches of 5 samples, upto 14 days.
21	LHPY_110 030	Dermatology mosaic (DM) by IIF method	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	Indirect Immunofluorescence	2-8^{o}C upto 14 days	Run in batches of 5 samples, upto 14 days.
22	LHPY_110 033	Anti - PLA2R by IIF method	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	Indirect Immunofluorescence	2-8^{o}C upto 14 days	Run in batches of 5 samples, upto 14 days.
23	LHPY_110 15	ANA profile3 (Immunoline)	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	Immunoblot	2-8^{o}C upto 14 days	Upto 2 working days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
24	LHPY_00137	Myositis 16 antigen panel (Line assay)	Serum	Plain tube/EDTA/Heparin/Citrate	2 ml	6-8 hours of collection	Immunoblot	2-8^{o}C upto 14 days	Upto 2 working days
25	LHPY_110038	ELISA for dsDNA	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	ELISA	2-8^{o}C upto 14 days	Upto 14 days
26	LHPY_110040	ELISA for Desmoglein 3	Serum	Plain tube/EDTA/Heparin/Citrate	2ml	6-8 hours of collection	ELISA	2-8^{o}C upto 14 days	Upto 14 days

Tests not under scope of NABL accreditation									
1	LHPY_110041	HER2 Testing by FISH	Fixed tissue	NA	NA	NA	Fluorescent in situ hybridisation	NA	Upto 7 working days

Tests outsourced									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LHPY_110052	Electron microscopy	Renal biopsy sample in Glutaraldehyde /paraffin block	3% buffered glutaraldehyde	1mm tissue in 3% buffered glutaraldehyde	NA	Electron microscopy	NA	Upto 6 weeks
2	PHY00204	IHC-1 (AR/ ARGINASE1/ AMACR/ BOB1/BEREP4/ CA19.9/ CA125/ CALPONIN/CD21/ CD22/ CD43/ CD57/ CD61/ CD163/CKHMW/ D240/ EBV/ GCDFP15/ GLYPICAN3/ GLUTAMINE SYNTHATASE/ GALECTIN3/ MUC5/ NSE/ OCT2/ PD1/ THYROGLOBULIN/ UROPLAKIN II/ VILLIN)	Fixed tissue & paraffin blocks	NA	NA	NA	Polymer technology	NA	Minimum 3 days after receiving written request
3	PHY00205	IHC-2 (CD19/ CD33/ CD38/ CD71/ ERG/ ERCC1/ INSM1/ IgG/ IgG4/ MDM2/ MUC1/ MUC4/ OCT3/4/ RCC/ SOX11/ SOX9/ STAT6/ TLE1/ TFE3/ TRPS1)	Fixed tissue & paraffin blocks	NA	NA	NA	Polymer technology	NA	Minimum 3 days after receiving written request

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
4	PHY00206	IHC-3(CAIX/ IDH1/ HSP70/ NF/ SF1)	Fixed tissue & paraffin blocks	NA	NA	NA	Polymer technology	NA	Minimum 3 days after receiving written request
5	PHY00207	IHC-4(EBER ISH)	Fixed tissue & paraffin blocks	NA	NA	NA	Polymer technology	NA	Minimum 3 days after receiving written request
* TAT may extend depending on the additional testing performed									

SECTION: MOLECULAR BIOLOGY AND GENETICS

List of Cytogenetic tests under scope of NABL accreditation Cytogenetics and FISH

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
1	LGEN10743	Peripheral Blood Karyotyping	BLOOD	Sodium Heparin Vacutainer	4ml	Fresh sample is preferred at the earliest	PHA stimulated peripheral lymphocyte culture	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
2	LGEN007	Di- George/VCFS TUPLE1 and 22q13.3 deletion	BLOOD	Sodium Heparin Vacutainer	4ml	Fresh sample is preferred at the earliest	PHA stimulated peripheral lymphocyte culture- FISH	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
3	LGEN008	Prader- Willi/ Angelman (SNRPN)15q1	BLOOD	Sodium Heparin Vacutainer	4ml	Fresh sample is preferred at the earliest	PHA stimulated peripheral lymphocyte	24hrs at Room temperature, never be Frozen or Exposed to	7days
5	LGEN0010	Williams- Beuren 7q11.23	BLOOD	Sodium Heparin Vacutainer	4ml	Fresh sample is preferred at the earliest	PHA stimulated peripheral lymphocyte culture – FISH	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
6	LGEN0011	SRY Yq11.31	BLOOD	Sodium Heparin Vacutainer	4ml	Fresh sample is preferred at the earliest	PHA stimulated peripheral lymphocyte culture - FISH	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
7	LGEN10773	Bone Marrow Karyotyping	BONE MARROW	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	GTG Banding	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
8	LGEN10782	CML-FISH and Karyotyping	BONE MARRO W/BLOOD	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	FISH using BCR/ABL1 Probe	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
9	LGEN0013	APML-FISH and Karyotyping	BONE MARRO W/BLOOD	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	FISH using PML/RARA Probe	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
10	LGEN0014	AML-FISH and Karyotyping	BONE MARRO W/BLOOD	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	FISH using (7qdeletion,8a, RUNXT1/RUNX1, PML/RARA, BCR/ABL, CBFB/MYH11, MLL BREAK APART)	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
11	LGEN0015	ALL-FISH and Karyotyping	BONE MARRO W/BLOOD	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	FISH using (ALL-FISH PANEL (BCR/ABL,M LL BREAK APART,ETV6/RUN X1, BLOODX1/TCF)	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
12	LGEN0017	CLL-FISH and Karyotyping	BONE MARRO W/BLOOD	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	FISH Probe (CLL-FISH PANEL (12a, del MYB gene at 6q23.3, del DLEU/LAMP at 13 q, del ATM gene 11q22.3, del TP53 gene at 17p13)	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
13	LGEN0016	MDS FISH	Bone Marrow	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred. As soon as possible	FISH Bone Marrow MDS- FISH PANEL PROBES (7qdeletion,8a, del EGR1/RPS14, PTPRT gene region at 20q12and Karyotyping)	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
14	LGEN0018	Multiple Myeloma- FISH PANEL 1p/1q Enumeration CDKN2C/CKS1 B, (del 13qDLEU/LAM P, del (TP53 on17p13), IGH BA, t (4;14), t(6;14),t(11;14),t(16;14),t(20; 14)	Bone Marrow	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	FISH PANEL 1p/1q Enumeration CDKN2C/CKS1B, (del 13qDLEU/LAMP, del (TP53 on17p13), IGH BA, t(4;14),t(6;14),t(11;14),t(16;14),t(20;14)	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
15	LGEN0019	FISH X/Y Chimerism	BONE MARROW/ BLOOD	Sodium Heparin Vacutainer	2-4ml	Fresh sample is preferred at the earliest	FISH using CEP X/Y probes	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days

Tests not under the scope of NABL accreditation									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LGEN0 09	Smith-Magenis (FLII)/Miller-Dieker probe	BLOOD	Sodium Vacutainer Heparin	4ml	Fresh sample is preferred. As soon as possible	PHA stimulated peripheral lymphocyte culture - FISH	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
2	LGEN0 012	FISH for Cryptic translocations (WCP probe-based)	BLOOD	Sodium Vacutainer Heparin	4ml	Fresh sample is preferred. As soon as possible	PHA stimulated peripheral lymphocyte culture	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	7days
3	LGEN10781	Chromosome Breakage Studies	BLOOD	Sodium Vacutainer Heparin	4ml	Fresh sample is preferred. As soon as possible	MMC induced Peripheral lymphocyte culture	24hrs at Room temperature, never be Frozen or Exposed to Excessive heat	10days
4	LGEN006	Cri-Du-Chat/Scot0s 5p15.33,5p15.2,5p35	BLOOD	Sodium Vacutainer Heparin	4ml	Fresh sample is preferred. As soon as possible	HA stimulated peripheral lymphocyte culture		

Molecular Testing (Non-Infectious) Tests under the scope of NABL accreditation									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	LGEN_10150	BCR-ABL major (p210) transcript quantification	BONE MARROW / BLOOD	EDTA	4ml	Within 4h of sample collection	Real time quantitative PCR	Stable for 4h at room temperature	10 days
2	LGEN_10151	JAK2 mutation (V617F)	BLOOD	EDTA	4ml	Within 24h of sample collection	Real time qualitative PCR	Stable for 24h at room temperature	10 days
3	LGEN_11914	CDC crossmatch	BLOOD	ACD and serum (red-capped)	ACD-20ml, Serum tube-4ml	Within 1h of sample collection	Complement dependent cytotoxicity	Stable for 1h at room temperature	2 days
4	LGEN_11915	HLA typing (SSP-based) (EDTA vacutainer)	BLOOD	EDTA	4ml	Within 24h of sample collection	PCR-SSP	Stable for 24h at room temperature	2 days
Tests not under the scope of NABL accreditation									
1	LGEN00 23	BCR-ABL qualitative detection (major, minor, micro)	BONE MARROW / BLOOD	EDTA	4ml	Within 4hrs of sample collection	Conventional PCR	Stable for 4h at room temperature	10 days
2	LGEN_11913	BCR-ABL minor (p190) transcript quantification	BONE MARROW / BLOOD	EDTA	4ml	Within 4h of sample collection	Real time quantitative PCR	Stable for 4h at room temperature	10 days
3	LGEN_11912	PML/RARa fusion transcript quantification	BONE MARROW / BLOOD	EDTA	4ml	Within 4hrs of sample collection	Real time quantitative PCR	Stable for 4hrs at room temperature	10 days
4	LGEN_11602	ALL mutation panel	BONE MARROW /BLOOD	EDTA	4ml	Within 4hrs of sample collection	Real time qualitative PCR	Stable for 4hrs at room temperature	3 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
5	LGEN_1 1603	AML mutation panel	BONE MARROW /BLOOD	EDTA	4ml	Within 4hrs of sample collection	Real time qualitative PCR	Stable for 4hrs at room temperature	3 days
6	LGEN_1 1911	MPN mutation panel	BONE MARROW /BLOOD	EDTA	4ml	Within 4hrs of sample collection	Real time qualitative PCR	Stable for 4hrs at room temperature	10 days
7	LGEN00 24	MPN mutation reflex panel	BONE MARROW /BLOOD	EDTA	4ml	Within 4hrs of sample collection	Real time qualitative PCR	Stable for 4h at room temperature	20 days
8	LGEN_1 1611	MTHFR mutation (C677T and A1298C)	BLOOD	EDTA	4ml	Within 24hrs of sample collection	Real time qualitative PCR	Stable for 24h at room temperature	20 days
9	LGEN_1 0153	Factor V mutation (G1691A)	BLOOD	EDTA	4ml	Within 24hrs of sample collection	Real time qualitative PCR	Stable for 24h at room temperature	20 days
10	LGEN0 025	Whole exome sequencing	BLOOD	EDTA	4ml	Within 24hrs of sample collection	NGS	Stable for 24hrs at room temperature	50 days
11	LGEN_ 11605	JAK2 exons 12-14 mutation analysis	BLOOD	EDTA	4ml	Within 4hrs of sample collection	PCR and Sanger's sequencing	Stable for 4hrs at room temperature	20 days
12	LGEN_ 11604	Imatinib Resistance Mutation Analysis (IRMA)	BONE MARROW / BLOOD	EDTA	4ml	Within 4hrs of sample collection	PCR and Sanger's sequencing	Stable for 4hrs at room temperature	20 days
13	LGEN0 022	CEBPA mutation analysis	BLOOD	EDTA	4ml	Within 4hrs of sample collection	PCR and Sanger's sequencing	Stable for 4hrs at room temperature	20 days
14	LGEN0 021	EGFR mutation panel (exons 18,19,20,21)	Fresh/formalin fixed tissue	Fresh tissue- Plastic specimen container with saline, FFPE tissue- sections in microcentrifuge tubes	Fresh tissue- 3-4 cores, FFPE tissue- 4-5 sections of 15um thickness	Fresh tissue- within 2hrs of sample collection, FFPE-NA	Real time qualitative PCR	Fresh tissue-stable for 2hrs at room temperature, FFPE-NA	10 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
15	LGEN0041	Sanger Validation of One variant	Peripheral blood	EDTA	4ml	Within 24h of sample collection	PCR and Sanger's sequencing	Stable for 24h at room temperature	50 days
16	LGEN0042	Thrombophilia Mutation panel	Peripheral blood	EDTA	4ml	Within 24h of sample collection	Real time qualitative PCR	Stable for 24h at room temperature	20 days
17	LGEN0043	Whole exome sequencing (couple)	Peripheral blood	EDTA	4ml	Within 24h of sample collection	NGS	Stable for 24h at room temperature	50 days
18	LGEN0044	Whole exome sequencing (trio)	Peripheral blood	EDTA	4ml	Within 24h of sample collection	NGS	Stable for 24h at room temperature	50 days
LIST OF TESTS OUTSOURCED Strand Genomics									
1	PHY00201	EDTA	Whole Exome Sequencing	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	21 Days
2	PHY00197	EDTA	Couple whole Exome sequencing	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	21 Days
3	PHY00202	EDTA	Whole Exome Trio	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	21 Days
4	PHY00198	EDTA	Exome Plus	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	21 Days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
5	PHY00196	EDTA	Couple Exome plus sequencing	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	21 Days
6	PHY00199	EDTA	Exome plus Trio	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	21 Days
7	PHY00200	EDTA	Rapid Exome Plus	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	15 Days
8	PHY00194	EDTA	Couple carrier screening 2000gene	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	21 Days
9	PHY00195	EDTA	Couple carrier screening comprehensive	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	30 Days
10	PHY00203	EDTA	Whole Genome sequencing	Peripheral Blood	4ml		NGS	Fresh sample is preferred at the earliest	30 Days

LIST OF TESTS OUTSOURCED-One Cell									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
1	PHY00217	OncoIndx LBx (Liquid Biopsy - NGS)	Peripheral Blood	EDTA, BD PaxGene Tube	8.5ml each	4hrs	NGS	Fresh blood sample is preferred at the earliest	12 days
2	PHY00218	OncoIndx TBx (Tissue Biopsy - NGS and PCR - SSOP Luminex)	Peripheral Blood/FFPE tissue block	EDTA	8.5ml each	4hrs	NGS & PCR-SSOP Luminex	Fresh blood sample is preferred at the earliest	12 days
3	PHY00219	Onco Monitor (cfDNA and CTC - Luminex)	Peripheral Blood	EDTA, BD PaxGene Tube	8.5ml each	4hrs	Bead Based Assay (Luminex)	Fresh blood sample is preferred at the earliest	12 days
4	PHY00220	Onco Discover (CTC - PCR and Capillary Electrophoresis)	Peripheral Blood	EDTA	8.5ml each	4hrs	PCR and Capillary Electrophoresis	Fresh blood sample is preferred at the earliest	4 days
5	PHY00221	Onco Target (NGS)	Peripheral Blood/FFPE tissue block	EDTA	8.5ml each	4hrs	NGS	Fresh blood sample is preferred at the earliest	12 days
6	PHY00222	Onco Target + PD-L1 Dako 22C3 clone by IHC (NGS and PCR - SSOP Luminex)	Peripheral Blood/FFPE tissue block	EDTA	8.5ml each	4hrs	NGS & PCR-SSOP Luminex	Fresh blood sample is preferred at the earliest	12 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
7	PHY00223	Onco Target Breast TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
8	PHY00224	Onco Target Bladder TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
9	PHY00225	Onco Target Ovary TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
10	PHY00226	Onco Target Colon TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
11	PHY00227	Onco Target Melanoma TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
12	PHY00228	Onco Target Thyroid TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
13	PHY00229	Onco Target Lung TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
14	PHY00230	Onco Target Prostate TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
15	PHY00231	Onco Target GI TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
16	PHY00232	Onco Target Rectal TBx (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
17	PHY00233	Onco Target HRR (NGS)	FFPE tissue block	NA	8.5ml each	NA	NGS	NA- fixed tissue	12 days
18	PHY00234	OncoIndx Prime (NGS and PCR - SSOP Luminex)	Peripheral Blood/FFPE tissue block	EDTA	8.5ml each	4hrs	NGS & PCR-SSOP Luminex	Fresh blood sample is preferred at the earliest	12 days
19	PHY00235	Onco Risk (NGS)	Peripheral Blood	EDTA, BD PaxGene Tube	8.5ml each	4hrs	NGS	Fresh blood sample is preferred at the earliest	12 days

LIST OF TESTS OUTSOURCED-Core Lab									
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**
20	P00150	Hyper Eosinophilic Syndrome	Bone marrow/Peripheral Blood in EDTA (Lavender Top), Heparin (Green top) Tube.	EDTA	3-4ml	24 hrs	Fluorescence in situ hybridization	transport in 2 to 8 degree C (wiht cold pack) within 72 hrs	12 days
21	WB3129	T All MRD	2 tubes of EDTA Bone marrow	EDTA	2-4mL	24 hrs	Flow Cytometry	Transport in 2 to 8 Degree C(with cold pack) EdTA sample in 48 hrs and heparin in 72 hrs	12 days
22	NA2169	geneCŌRE Clinical Exome Sequencing	Extracted & purified DNA or EDTA Whole Blood	EDTA	3-4ml	24 hrs	Next Generation Sequencing	Transport in 2 to 8 Degree C(with cold pack) EdTA sample in 48 hrs and heparin in 72 hrs	10 days
23	NA2236	hemaCORE HLA Typing by NGS (A,B,C,DR DQ, DPB1)	Blood, buccal swab	NA	3-4ml	24 hrs	Next Generation Sequencing	Ship in Ambient/Cool packs condition stable at 4 degreeC	5 days
Sl. No.	**Test code**	**Name of the test**	**Type of sample**	**Type of Container**	**Quantity**	**Acceptable Sample receiving time**	**Test methodology**	**Primary sample stability**	**TAT**

24	YB1072	Multiple Myeloma 7 markers Panel	Bone marrow/Peripheral Blood in EDTA (Lavender Top), Sodium heparin (Green Top) Tube.	EDTA	3-4 mL	24 hrs	Fluorescence In Situ Hybridization	Transport in 2 to 8 Degree C(with cold pack) EdTA sample in 48 hrs and heparin in 72 hrs	6 DAYS
25	WB1215	AML MRD	2 tubes of EDTA Bone marrow	EDTA	2-4mL	24 hrs	Flow Cytometry	Transport in 2 to 8 Degree C(with cold pack) EdTA sample in 48 hrs and heparin in 72 hrs	2 DAYS
26	NA1704	Comprehesive Hematological Maligancy Panel	Bone marrow/Peripheral Blood in EDTA(Lavender Top) two sepearte vials.	EDTA	5-6 mL	24 HRS	Next Generation Sequencing	Transport in 2 to 8 Degree C(with cold pack) EdTA sample in 48 hrs and heparin in 72 hrs	15 days
27	NA3629	hemaCORE paradigm	Bone marrow/Peripheral Blood in EDTA(Lavender Top) two sepearte vials.	EDTA	3-4ml	24 hrs	Next Generation Sequencing	Transport in 2 to 8 Degree C(with cold pack) EdTA sample in 48 hrs and heparin in 72 hrs	16 DAYS
28	MD1751	COREprime DSA (Donor Specific Antibody) Class I & II	Recipient: Serum in 1 SST vial Donor: Whole blood in 2 ACD vials (Sodium heparin vial not acceptable)	Red tube		24 hrs	Luminex xMAP Technology	1 DAY	1 DAYS

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
29	YB1314	X Y Chimerism Recipient Only	3-4 mL Bone marrow/Peripheral Blood inHeparin (Green Top) Tube.	Green Top Tube	3-4ml	24 hrs	Fluorescence in situ hybridization	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	5 DAYS
30	ME2215	CMV DNA Quantitative	15ml of Spot Urine in Sterile leak proof container 3ml of EDTA Plasma in Sterile Plain Vacutainer 2ml of BAL/ Saliva in Sterile Leak proof container"	EDTA and other leak proof containers	3-4ml	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated or frozen	5 DAYS
31	ME1970	Adenovirus DNA, Quantitative	EDTA Whole Blood	EDTA	3-4ml	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated. Do not Freeze. Stability:Room Temp -6 Hrs,Refrigerated - 72 Hrs	Sample by Tuesday, Report in 5 Days
32	ME1835	Epstein-Barr Virus (EBV) DNA Quantitative	2ml of CSF in Sterile leak proof tube or container 3 ml of Whole Blood in EDTA Vacutainer Tissue with Normal Saline in Sterile leak proof container	EDTA	3-4ml	24 hrs	Real Time Polymerase Chain Reaction	Transport at ambient (18-25°C)temperature	Sample by Sat/Wed by 1 PM, report in 3 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
33	ME2052	BK Virus PCR Quantitative	3 ml of Whole Blood in EDTA Vacutainer 15ml of Spot Urine in Sterile leak proof container	EDTA	3-4ml	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated or frozen	Sample by Sat/Wed by 1 PM, report in 3 days
34	AB1377	Cyclosporine, C2	3mL Peripheral Blood in lavender top (EDTA) Vacutainer.	EDTA	3-4ml	24 hrs	Real Time Polymerase Chain Reaction	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	Cut off 1 PM(Green Park Lab), report same day
35	P00073	AML Multiplex Advance Panel	Whole Blood, Bone Marrow, collected in EDTA (Lavender Top) Tube	EDTA	5-7 mL	24 hrs	Real Time Polymerase Chain Reaction	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	8 YEAR
36	MR1442	T Cell Gene Rearrangement (Tissue)	Tissue in Normal Saline/ FFPE Block	NA	NA	24 hrs	Polymerase Chain Reaction,Fragment analysis	Transport at ambient (18-25°C) temperature	26 DAYA
37	MA1184	Chimerism Pre Engraftment Donor & Recipient	4 ml (2 ml min.) Whole blood in 1 Lavender Top (EDTA) tube.	EDTA	3-4ml	24 hrs	Polymerase Chain Reaction,Fragment analysis	Ship refrigerated. Do not Freeze.	4 mL (2 mL min) Peripheral Blood in 1 Lavender Top (EDTA) tube each for Donor and Recipient.

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
38	MA1188	Chimerism Post Engraftment	4 mL (2 mL min) Peripheral Blood / Bone marrow in 1 Lavender Top (EDTA) tube.	EDTA	3-4ml	24 hrs	Polymerase Chain Reaction,Fragment analysis	Ship refrigerated. Do not Freeze.	7 days
39	P00149	MPN Panel 2	Bone marrow/Peripheral Blood in EDTA (Lavender Top), Sodium heparin (Green Top) Tube.	EDTA	5-6 mL	24 hrs	Polymerase Chain Reaction,Fragment analysis	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	15 DAYS
40	P00021	MPN Panel 3	Bone marrow/Peripheral Blood in EDTA (Lavender Top), Sodium heparin (Green Top) Tube.	EDTA /Green Top	5-6 mL	24 hrs	Polymerase Chain Reaction,Fragment analysis	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	15 DAYS
41	RV1148	IGHV Mutation Analysis	2 mL Peripheral Blood in 1 EDTA Vacutainer(Lavender Top) Tube/Bone marrow	EDTA	3-4ml	24 hrs	Sanger Sequencing	Ship refrigerated or frozen	14 days
42	MM1017	TPMT Genotyping	2 mL Peripheral Blood in 1 EDTA Vacutainer(Lavender Top) Tube/Bone marrow	EDTA	3-4ml	24 hrs	Polymerase Chain Reaction,Fragment analysis	Transport is 2 to 8°C (with cold pack). Stable at 4 degree Celsius for 1week	5 days
43	MM1003	BCR-ABL Kinase Domain Mutations	2 mL Peripheral Blood in 1 EDTA Vacutainer(Lavender Top) Tube/Bone marrow	EDTA	3-4ml	24 hrs	Polymerase Chain Reaction,Fragment analysis	Stable at 4°C for 72 hours. Transport in 2 to 8°C (with cold pack).	7 days

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
44	MA1022	HLA B27 Qualitative	2 mL Peripheral Blood in 1 EDTA Vacutainer(Lavender Top) Tube/Bone marrow	EDTA	3-4ml	24 hrs	Real Time Polymerase Chain Reaction	Ship refrigerated. Do not Freeze.	Cut off 12PM report next day
45	MD1745	Single Antigen Bead (SAB) Class I & II IgG Antibodies	2 mL Peripheral Blood in 1 EDTA Vacutainer(Lavender Top) Tube/Bone marrow	EDTA	3-4ml	24 hrs	Luminex xMAP Technology	Ship refrigerated	sample by 10am report next day
46	P00047	Double/Triple Hit Lymphoma (Solid Tumor)	Tissue in Normal Saline/ FFPE Block	NA	NA	24 hrs	FISH	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	1 DAY
47	AB1040	Erythropoietin (EPO)	SERUM	Red Top	2 ml	24 hrs	CLIA	Transport in 2 to 8°C (with cold pack). Stable at 4°C for 72 hours	1 DAY

SECTION: Therapeutic Drug Management Lab, Dept. of Pharmacology, SJMC

List of tests not under scope of NABL accreditation

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
1	PHCO001	Plasma Mycophenolic Acid (MPA) Levels	Plasma	Lavender top (EDTA)	3ml	Sampling to be discussed and planned in advance in consultation with the TDM team	CEDIA Homogenous enzyme immunoassay	Up to 5 hours (At 20-30°C)	24 hours
2	PHCO002	Whole Blood Tacrolimus Levels	Whole Blood	Lavender top (EDTA)	3ml	Trough sample to be taken ideally 30 minutes before the next dose, upto 1 hour delay in sampling is acceptable.	Microparticle (Quantitative Microparticle System) Immunoassay	Up to 24 hours (At 20-30°C)	3 hours
3	PHCO003	Serum Vancomycin Levels	Serum	Red Tube	4ml	Sampling to be discussed and planned in advance in consultation with the TDM team	Microparticle (Quantitative Microparticle System) Immunoassay	Up to 6 hours (At 20-30°C)	24 hours

Sl. No.	Test code	Name of the test	Type of sample	Type of Container	Quantity	Acceptable Sample receiving time	Test methodology	Primary sample stability	TAT
4	PHCO005	Serum Amikacin Levels	Serum	Red tube	4 ml	Trough sample to be taken ideally 30 minutes before the next dose, upto 1 hour delay in sampling is acceptable.	Quantitative Microsphere System - homogeneous particle-enhanced turbidimetric immunoassay	Up to 6 hours (At 20-30°C)	3 hours
5	PHCO006	Plasma Clozapine Levels	Plasma	Lavender top (EDTA)	3ml	Trough sample to be taken ideally 30 minutes before the next dose, upto 1 hour delay in sampling is acceptable.	Homogenous two reagent nanoparticle agglutination assay	Up to 7 days (At 20-30°C)	3 hours
6	PHCO007	Plasma Risperidone Levels	Plasma	Lavender top (EDTA)	3ml	Trough sample to be taken ideally 30 minutes before the next dose, upto 1 hour delay in sampling is acceptable.	Homogenous two reagent nanoparticle agglutination assay	Up to 5 days (At 20-30°C)	3 hours