



**Sri Ramachandra Laboratory Services**  
**SRMC & RI, Porur, Chennai-600116**

# **Directory of Laboratory Services**

**Issue No : 3**

**Last reviewed on May 2021**



**National Accreditation Board for  
Testing and Calibration Laboratories**

**CERTIFICATE OF ACCREDITATION**

**SRI RAMACHANDRA LABORATORY SERVICES**

has been assessed and accredited in accordance with the standard

**ISO 15189:2012**

**"Medical laboratories - Requirements for quality and  
competence"**

for its facilities at

**SRI RAMACHANDRA EDUCATION AND HEALTH TRUST, NO. 1 RAMACHANDRA NAGAR, PORUR,  
CHENNAI, TAMIL NADU, INDIA**

in the field of

**Medical Testing**

Certificate Number: MC-2540

Issue Date: 13/02/2020

Valid Until:

12/02/2022

**This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued  
satisfactory compliance to the above standard & the relevant requirements of NABL.  
(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))**

**Signed for and on behalf of NABL**



**N. Venkateswaran  
Chief Executive Officer**



# **Sri Ramachandra Laboratory Services Quality Policy**

Sri Ramachandra Laboratory Services commits to provide quality diagnostic laboratory services following approved test methodologies and using a diligent professional team and strive to achieve satisfaction of its users

## **To accomplish this the Sri Ramachandra Laboratory Services**

- Will comply with ISO 15189:2012 standards and NABL requirements at all times
- Will comply with JCI/NABH standards and requirements at all times
- Will ensure continual improvement in all its activities
- Will ensure compliance with statutory and regulatory requirements
- Will ensure adequate staff competence and provide resources for effective professional services
- Will complete the laboratory tests and report the result in an effective manner
- Will ensure continued customer satisfaction



**Sri Ramachandra Laboratory Services**  
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**Dear Health care providers,**

**Greetings from Sri Ramachandra Laboratory Services. A comprehensive laboratory Directory of services is now available in the IP Manager. This is intended to help you in patient care. The menu of tests is presented in alphabetic order under the various divisions of the laboratory. Please note that the TAT (Turn Around Time) for a test is defined as the time interval between the receipt of the sample in the lab to the release of report in the hospital information system. “STAT” services are available for selected tests to help in the management of critically ill patients.**

**Please avail this STAT option only in cases of emergency. Test requiring consultant interpretation may take longer on non working hours (4 PM to 8 AM) and on holidays.**

**In such cases a preliminary report will be available in the IP Manager.**

**Thank you all and we assure you the best of services. Our telephone extension numbers are provided to get in touch with us in case you have a query or complaint.**

**Staff of the Central Lab Services**  
**SRMC, Porur, Chennai**



**Sri Ramachandra Laboratory Services**  
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**Patient Preparation :**

**Fasting Sample ( Glucose, Lipid Profile, Platelet aggregometry tests ADP and AA )**

A Fasting period of 10 hours is required to come with empty stomach for giving the sample. Post Prandial Plasma Glucose : two hours after the breakfast unless otherwise specified

**24hrs Urine Collection**

Instruct the patient about the preservative and not to discard it.

For collection: Ask the patient to void the first urine in the morning. After that instruct the patient to collect all the urine in the given container. Note down the time (for eg. 7.00 am).

From this time onwards collect all subsequent urine samples in the container provided. Collection should be continued till same time the next day. For e.g. 7.00 am. This is the 24 hrs urine sample.

The patient should return the 24hrs urine sample container within 2 hrs to the laboratory

**Glucose Tolerance Test (GTT) Specimen:**

Fasting blood specimen must be collected in the gray top sodium fluoride vacutainers to a full draw and also collect fasting urine specimen at the same time.



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The patient must be given 75 Gms of glucose in 100 ml of water. The time is noted down for intake of glucose.

Four blood and urine specimens are collected with half an hour intervals for the next two hours. Each of these specimens is labeled appropriately indicating specimen type and time of collection.







For Pregnancy GTT 100 gm of glucose must be given instead of 75 gms in 100 ml of water and three samples to be collected every hour.

**Instructions given to the patient.**

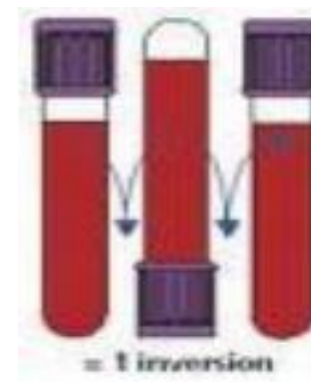
Since 3 blood specimens have to be collected at an interval of 60 minutes each the patient has to wait for a period of 3 hrs at the collection centre.



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Vacutainer Colour/order of draw	Vacutainer Type / Volume	Name of the Test to be done	Mix by Inverting
	Citrate/2.7 ml	PT,PTT, FDP, D.DIMER,FIBRINOGEN	3 to 4 times
	Plain /4 ml	HIV, HbsAg, HIV, Coombs Test, Blood Grouping & Typing, Anti Hbc Total Renal Profile, Lipid Profile, Liver Profile, Hormone Profile, Electrolytes, RA-CRP-ASO, VDRL, WIDAL, ANA, DNA, Torch, Lepto, Dengue etc	5 times
	Lithium Heparin/ 4 ml	Osmotic fragility	8 to 10times
	K <sub>2</sub> EDTA / 3.0 ml	CBC, Blood Routine, Ps, MP, MF, QBC(MP,MF), Ret iculocyte count, sickle cells, Absolute Eosinophil count, HbA1c, Ammonia	8 to 10times
	Fluoride /2.0 ml	Blood Sugar, Lactate	8 to 10times
	Black Colour	ESR	8 to 10times

- Blood should not be drawn through IV cannula
- Do not transfer blood from one vacutainer to other
- Blood should be drawn upto the mark indicated in the vacutainer







**Sri Ramachandra Laboratory Services**  
**SRMC & RI, Porur, Chennai-600116**

**Contact information**

<b>Division</b>	<b>Phone number</b>
<b>SRMC &amp; RI</b>	<b>: 45928655</b>
<b>Extension Numbers</b>	
<b>Lab Reception</b>	<b>: 227</b>
<b>Phlebotomy Services</b>	<b>: 215,569</b>
<b>Clinical Biochemistry</b>	<b>: 575,578</b>
<b>Clinical Pathology</b>	<b>: 562</b>
<b>Clinical Microbiology</b>	<b>: 258, 567 8230, (230-Virology, 139-Mycology)</b>
<b>Blood Bank</b>	<b>: 371,374</b>
<b>Histopathology</b>	<b>: 135,236</b>
<b>G Block OP sample collection</b>	<b>: 8127</b>
<b>G Block IP sample reception</b>	<b>: 8512</b>
<b>Director of Lab Services</b>	<b>: 655</b>



**SRI RAMACHANDRA LABORATORY SERVICES  
SPECIMEN ACCEPTANCE AND REJECTION CRITERIA**

S.No	Specimen Acceptance criteria	Specimen rejection criteria	Acceptance with restrictions	Action taken
1	Properly Labeled Sample	Unlabeled / Mislabeled sample	If specimen obtained by invasive procedure like needle aspiration, body fluids, process after consulting with the consultant.	If specimen obtained by non invasive procedure (Urine, Sputum or throat swab) – <b>Repeat the sample.</b> Record the problem in the register and document the corrective action taken
2.	Sample Matches with the Request form	If sample does not match with the Request form		
3	Proper and non leaking Specimen container	Improper or Leaking Specimen container		
4	Sample received at appropriate time after collection	Prolonged transport time		
5	Specimen suitable for request	Specimen unsuitable for request (Eg. Anaerobic culture for a Specimen sent aerobically)		

S.No	ANATOMIC SITE /SAMPLE	SPECIMEN ACCEPTANCE CRITERIA ( APPROPRIATE SAMPLE	SPECIMEN REJECTION CRITERIA ( INAPPROPRIATE SAMPLE )	ACTION TAKEN
1	Plasma	Submitted in EDTA Or Heparinized Tube	Not submitted in EDTA or Heparinized Tube	<p><b>Do not Process.</b> Inform to the consultant and ask for the Repeat sample Record the problem in the register and document the corrective action taken</p>
2	Serum	With out Gross hemolysis & Turbidity	With Gross hemolysis & Turbidity	
3	Venous blood for Microbiology culture	2 or 3 specimen collected from separate venipunctures , before starting antibiotics, antiseptis with iodine containing compound or chlorhexidine	Clotted blood , more than 3 samples collected with in a 24 period.	
4	Lower respiratory tract	Freshly expectorated mucus and sputum from lower respiratory tract	Saliva ,oropharyngeal secretions, sinus discharge from nasopharyngeal	
5	Urinary tract	Mid stream urine , urine collected by “ straight” catheterization ,suprapubic aspiration, collected during cystoscopy .	Urine from foley catheter or collection bag	

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
100503	GTT - 1 hr sugar	Fluoride EDTA	Blood	Grey	3.5 ml	daily	3 hours	1.5 hours
100505	GTT - 2 hr sugar	Fluoride EDTA	Blood	Grey	3.5 ml	daily	3 hours	1.5 hours
101333	ACE	Serum	Blood	Red	3.5 ml	daily	3 hours	1.5 hours
101258	ACTH	Serum	Blood	Red	3.5 ml	daily	5 hours	
102211	ADA	Serum	Blood	Red	3.5 ml	daily	3 hours	1.5 hours
100305	Albumin	Serum	Blood	Red	3.5 ml	daily	3 hours	1.5 hours
100303	Alkaline.phosphatase	Serum	Blood	Red	3.5 ml	daily	3 hours	1.5 hours
102201	Alpha feto protein (AFP)	Serum	Blood	Red	3.5 ml	daily	5 hours	
102452	AMH	Serum	Blood	Red	3.5 ml	daily	5 hours	
101280	Ammonia	EDTA	Blood	Purple	3.5 ml	daily	3 hours	1.5 hours
101243	Amylase	Serum	Blood	Red	3.5 ml	daily	3 hours	1.5 hours
102387	Anti CCP	Serum	Blood	Red	3.5 ml	daily	5 hours	
102216	Anti Thyroglobulin AB (serum)	Serum	Blood	Red	3.5 ml	daily	6 hours	
102291	Anti TPO	Serum	Blood	Red	3.5 ml	Daily	5 hours	
102541	Asitic Fluid- ADA	Fluid	Fluid	Red	3.5 ml	Daily	3 hours	1.5 hours
102488	Asitic Fluid- Albumin	Fluid	Fluid	Red	3.5 ml	Daily	3 hours	1.5 hours

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
no code	Asitic fluid- ldh	Fluid	Fluid	Red	3.5 ml	Daily	3 hours	1.5 hours
100607	Asitic fluid protein	Fluid	Fluid	Red	3.5 ml	Daily	3 hours	1.5 hours
100606	Asitic fluid- sugar	Fluid	Fluid	Red	3.5 ml	Daily	3 hours	1.5 hours
102368	B.N.P assay	EDTA	Blood	Purple	3.5 ml	Daily	5 hours	
102432	B2- microglobulin	Serum	Blood	Red	3.5 ml	Daily		
102475	B2 Glyco protein IgG and IgM	Serum	Blood	Red	3.5 ml	Wednesdays		
101260	BHCG (total) (beta hcg)	Serum	Blood	Red	3.5 ml	Daily	5 hours	1.5 hours
100106	Bicarbonate	Serum	Blood	Red	3.5 ml	Daily	3 hours	1.5 hours
102498	Bile acid	Serum	Blood	Red	3.5 ml	Daily	3 hours	1.5 hours
100309	Bilirubin- total&direct	Serum	Blood	Red	3.5 ml	Daily	3 hours	1.5 hours
100101	Bun	Serum	Blood	Red	3.5 ml	Daily	3 hours	1.5 hours
102375	Bun (cd fluid)	Serum	Blood	Red	3.5 ml	Daily	3 hours	1.5 hours
102226	C- peptide	Serum	Blood	Red	3.5 ml	Daily	5 hours	
100404	C.P.K	Serum	Blood	Red	3.5 ml	Daily	3 hours	1.5 hours
100405	C.P.K-mb (activity)	Serum	Blood	Red	3.5 ml	Daily	3 hours	1.5 hours
100600	C.S.F.analysis (bio- chemical)	CSF	CSF	Red	3.5 ml	Daily	3 hours	1.5 hours

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CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
100602	C.S.F.protein	CSF	CSF	Red	3.5 ml	Daily	3 hours	1.5 hours
100601	C.S.F.sugar	CSF	CSF	Red	3.5 ML	Daily	3 hours	1.5 hours
101254	C3	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101255	C4	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101221	CA 125	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101244	Calcium	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101250	Carbamazepine	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101220	Carcino embryonic antigen(C.E.A)	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101237	Ceruloplasmin	Serum	Blood	Red	3.5 ML	Daily		
100105	Chloride	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102373	Chloride (fluid)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
100201	Cholesterol	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102575	CK-MB (Mass)	Serum	Blood	Red	3.5 ML	Daily	5 hours	
100405	CK MB Mass	Serum	Blood	Red	3.5 ML	Daily	5 hours	
102223	Cholinesterase (psuedo)	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101236	Copper	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours

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CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
101223	Cortisol	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
100102	Creatinine	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102376	Creatinine (CD fluid)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
102211	CSF ADA	Fluid	CSF	Red	3.5 ML	Daily	3 hours	1.5 hours
102373	CSF Chloride	Fluid	CSF	Red	3.5 ML	Daily	3 hours	1.5 hours
100601	CSF Glucose	Fluid	CSF	Red/ Grey	3.5 ML	Daily	3 hours	1.5 hours
102389	CSF LDH	Fluid	CSF	Red	3.5 ML	Daily	3 hours	1.5 hours
100602	CSF protein	Fluid	CSF	Red	3.5 ML	Daily	3 hours	1.5 hours
100601	CSF Protein (neonates)	Fluid	CSF	Red	3.5 ML	Daily	3 hours	1.5 hours
101271	DHEAS	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101222	Digoxin	Serum	Blood	Red	3.5 ML	Daily		
100308	Direct bilirubin	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
100524	Estimated average glucose (EAG)	EDTA	Blood	Purple	3.5 ML	Daily	3 hours	1.5 hours
101272	Estradiol	Serum	Blood	Red	3.5 ML	Daily	5 hours	
100501	Fasting sugar	Fluoride	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours
101226	Ferritin	Serum	Blood	Red	3.5 ML	Daily	5 hours	

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
101282	Free testosterone	Serum	Blood	Red	3.5 ML	Thursdays		
102227	Folic acid [ RBC ]	EDTA	Blood	Red	3.5 ML	Daily	5 hours	
102228	Folic acid [ serum ]	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101210	FSH	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101101	FT3	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101102	FT4	Serum	Blood	Red	3.5 ML	Daily	5 hours	
100500	G.T.T	Fluoride	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102281	G.T.T - PREGNANCY	Fluoride	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102445	G.T.T - EXTENDED	Fluoride	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101275	G6PDH (Quantitative)	EDTA	Blood	Purple	3.5 ML	Saturdays		
101239	GAMMA-GT	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102229	Gastrin							
100306	Globulin	Calculated Parameter				Daily	3 hours	1.5 hours
101201	Glucose (Fasting)	Fluoride	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours
101202	Glucose (PPBS)	Fluoride	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours
101200	Glucose (RBS)	Fluoride	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours



**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
101232	Glycosylated hb-column (HBA1C)	EDTA	Blood	Purple	3.5 ML	Daily	3 hours	1.5 hours
101276	Growth hormone	Serum	Blood	Serum	3.5 ML	Daily	5 hours	
100203	HDL Cholesterol	Serum	Blood	Serum	3.5 ML	Daily	3 hours	1.5 hours
102284	High sensitive – CRP	Serum	Blood	Serum	3.5 ML	Daily	3 hours	1.5 hours
102234	Homocysteine	Serum	Blood	Serum	3.5 ML	Daily	3 hours	1.5 hours
100521	IGA	Serum	Blood	Serum	3.5 ML	Daily		
101225	IGE	Serum	Blood	Serum	3.5 ML	Daily	5 hours	
101328	IGF-1	Serum	Blood	Serum	3.5 ML	Daily		
100523	IGG	Serum	Blood	Serum	3.5 ML	Daily		
100522	IGM	Serum	Blood	Serum	3.5 ML	Daily		
102456	Inhibin B	Serum	Blood	Serum	3.5 ML	Daily		
101336	IL-6	Serum	Blood	Serum	3.5 ML	Daily	5 hours	
101267	Insulin	Serum	Blood	Serum	3.5 ML	Daily	5 hours	
101267	Insulin [ Fasting]	Serum	Blood	Serum	3.5 ML	Daily	5 hours	
102544	Insulin (PP)	Serum	Blood	Serum	3.5 ML	Daily	5 hours	
101263	IPTH	Serum	Blood	Serum	3.5 ML	Daily	3 hours	1.5 hours

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CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
101234	Iron	Serum	Blood	Serum	3.5 ML	Daily	3 hours	1.5 hours
100406	L.D.H	Serum	Blood	Serum	3.5 ML	Daily	3 hours	1.5 hours
100204	L.D.L	Serum	Blood	Serum	3.5 ML	Daily	3 hours	1.5 hours
102245	Lactate	Lithium heparin	Blood	Green	3.5 ML	Daily	3 hours	1.5 hours
102468	Lactate - CSF	CSF	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102389	LDH (Fluid)	Fluid	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101211	LH	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101278	Lipase	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102571	Macroprolactin	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101233	Magnesium	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101253	Microalbumin	Urine	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102489	Neonatal TSH screening	DBS	Dried blood spot		3.5 ML	Tuesdays & Saturdays		
102670	NT Pro-BNP	Lithium heparin	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101245	Osmolality (Blood)	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101251	P.S.A (Prostatic specific antigen)	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101329	Pericardial fluid for bio- chemical	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
	analysis							
101330	Peritoneal fluid for bio-chemical analysis	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
101261	Phenobarbital	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101249	Phenytoin	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101207	Phosphorus	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101200	Plasma glucose (RBS)	Fluoride	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours
101000	Pleural fluid bio-chemical analysis	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
100104	Potassium	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102413	Procalcitonin	Serum	Blood	Red	3.5 ML	Daily	5 hours	
101214	Prolactin	Serum	Blood	Red	3.5 ML	Daily	5 hours	
100310	Protein	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
100526	Protein (Fluid)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
101208	Protein electrophoresis	Serum	Blood	Red	3.5 ML	Tuesdays & fridays		
101002	Protein(PL.Fluid)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
100802	S.G.O.T	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
100301	S.G.P.T	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
100302	SHBG	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101218	Sodium	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101246	Stone analysis							
100518	Sugar(PL.fluid)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
102374	Sugar (CD fluid)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
100525	Sugar (Fluid)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
101332	Sugar (SPOT TEST)	Fluoride	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours
101001	Sugar(PL.FLUID)	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
101331	Synovial fluid for bio-chemical analysis	Fluid	Fluid	Red	3.5 ML	Daily	3 hours	1.5 hours
101001	Tacrolimus	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102401	Testosterone	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101215	Thyroglobulin	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101265	Thyroglobulin Ab	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101235	TIBC (total Iron Binding Capacity)	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102216	Total bilirubin	Serum	Blood	Red	3.5 ML	Daily	5 hours	1.5 hours

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
100307	Total protein	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102239	Transferrin	Serum	Blood	Red	3.5 ML	Daily		
100304	Total PSA	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101251	Total T3	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102523	Total T4	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102386	Transferrin Saturation	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
100801	Triglyceride	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
100202	Troponin I	Lithium heparin	Blood	Green	3.5 ML	Daily	3 hours	1.5 hours
102573	Troponin T	Lithium heparin	Blood	Green	3.5 ML	Daily	3 hours	1.5 hours
102240	TSH	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
102393	TTKG	Serum	Blood	Red	3.5 ML	Wednesdays		
101103	UIBC ( TIBC)	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101235	Uric acid	Serum	Blood	Red	3.5 ML	Daily	3 hours	1.5 hours
101326	Valproic acid	Serum	Blood	Red	3.5 ML	Daily		
101326	Vitamin B12	Serum	Blood	Red	3.5 ML	Daily	5 hours	
102244	Vitamin D (25OH)	Serum	Blood	Red	3.5 ML	Daily	5 hours	
102570	Vitamin D3 125OH	Serum	Blood	Red	3.5 ML	Daily		

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
100504	GTT - 1 1/2HR Sugar	Fluoride edta	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours
100502	GTT - 1/2HR Sugar	Fluoride edta	Blood	Grey	3.5 ML	Daily	3 hours	1.5 hours
102222	CA 19.9	Serum	Blood	Red	3.5 ML	Daily	5 hours	
102524	TOTAL VOLUME – URINE							
100804	Calcium(24 HRS.URINE)	Urine	Urine	24 HOUR URINE CAN			50 % HCl 10 ml	Daily
100105	Chloride ( 24 hrs urine)	Urine	Urine	24 HOUR URINE CAN			-	Daily
102347	Creatinine (spot)	Urine	Urine	SPOT URINE CONTAINER			-	Daily
101248	Creatinine clearance	Urine	Urine	SPOT URINE CONTAINER			Toluene 5 ml	Daily
100803	Creatinine(24 HRS.URINE)	Urine	Urine	24 HOUR URINE CAN			Toluene 5 ml	Daily
100517	Osmolality (URINE)	Serum/ Urine	Blood/	RED/ SPOT URINE			-	Daily
100806	Oxalate(24 HRS. URINE)	Urine	Urine	24 HOUR URINE CAN			50 % HCl 10 ml	Saturdays
100805	Phosphorus(24 HRS.URINE)	Urine	Urine	24 HOUR URINE CAN			50 % HCl 10 ml	Daily
100519	Potassium (24 Hrs	Urine	Urine	24 HOUR URINE CAN			Toluene 5	Daily

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
	URINE)						ml	
101002	Protein - Spot-Urine	Urine	Urine			SPOT URINE CONTAINER	-	Daily
102348	Protein(24 HRS. URINE)	Urine	Urine			24 HOUR URINE CAN	Toluene 5 ml	Daily
100103	Sodium (24hrs URINE)	Urine	Urine			24 HOUR URINE CAN	-	Daily
101203	Uric acid (24 Hrs URINE)	Urine	Urine			24 HOUR URINE CAN	-	Daily
100511	Urine 24 hrs Magnesium	Urine	Urine			24 HOUR URINE CAN	50 % HCl 10 ml	Daily
101233	Urine amylase	Urine	Urine			SPOT URINE CONTAINER	-	Daily
102303	Urine free Cortisol	Urine	Urine			SPOT URINE CONTAINER	-	Daily
102576	Urine Cortisol (24 HRS. URINE)	Urine	Urine			24 HOUR URINE CAN	Glacial acetic acid 10 ml	Daily
100903	Urine spot Calcium	Urine	Urine			Spot urine container	-	Daily
100105	Urine spot Chloride	Urine	Urine			Spot urine container	-	Daily
102347	Urine spot Creatinine	Urine	Urine			Spot urine container	-	Daily
101233	Urine spot Magnesium	Urine	Urine			Spot urine container	-	Daily
100902	Urine spot Potassium	Urine	Urine			Spot urine container	-	Daily
102348	Urine spot Protein	Urine	Urine			Spot urine container	-	Daily

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
100901	Urine spot sodium	Urine	Urine		Spot urine container		-	Daily
100901	Urine Urea	Urine	Urine		Spot urine container		-	Daily
100508	1 HR Sugar(Urine)	Urine	Urine		Spot urine container		-	Daily
100509	1 ½ HR Sugar(Urine)	Urine	Urine		Spot urine container		-	Daily
100507	1/2HR Sugar(Urine)	Urine	Urine		Spot urine container		-	Daily
100510	2 HR Sugar(Urine)	Urine	Urine		Spot urine container		-	Daily
100520	Bun (24 Hrs Urine)	Urine	Urine		24 hour urine can		-	Daily
100506	Fasting sugar(urine)	Urine	Urine		Spot urine container		-	Daily
101285	Metanephrine (24 hrs urine ) Quantitative	Urine	Urine		24 hour urine can Glacial acetic acid 10 ml			Thursdays
102728	Urine screening for drugs Of abuse	Urine	Urine		Spot urine container		-	Daily
102341	VMA (spot)	Urine	Urine		Spot urine container		-	Thursdays
101279	VMA (urine-24HRS)	Urine	Urine		24 hour urine can Glacial acetic acid 10 ml		-	Thursdays
102395	Fractional Excretion Of Sodium ( FENA)	Urine/ serum	Blood/ urine		Spot urine container		-	Daily
102393	Trans Tubular Potassium Gradient –	Urine/ serum	Blood/ urine		Spot urine container		-	Daily



**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL BIOCHEMISTRY TEST DIRECTORY**

CODE NUMBER	TEST NAME	SAMPLE TYPE	SPECIMEN	VACUTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
							ROUTINE	STAT
	(TTKG)							
102394	Renal Failure Index (RFI)	Urine/ serum	Blood/ Urine		Spot urine container		-	Daily
102382	Alb/crea. Ratio	Urine	Urine		Spot urine container		-	Daily
102349	Calcium / creatinine ratio	Urine	Urine		Spot urine container		-	Daily
101212	Prot/creat ratio (urine)	Urine	Urine		Spot urine container		-	Daily

## Hematology and Clinical Pathology

<b>SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY</b>							
<b>CODE NUMBER</b>	<b>TEST NAME</b>	<b>SPECIMEN</b>	<b>CONTAINER</b>	<b>VOLUME OF SAMPLE</b>	<b>TEST FREQUENCY</b>	<b>REPORTING TIME</b>	
						<b>ROUTINE</b>	<b>STAT</b>
200326	Absolute Eosinophil Count (AEC)	Blood	Violet	3 ml	DAILY	3 Hrs	1.5 Hrs
200112	Blood R/E,	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200616	Blood R/E, PCV	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200100	Blood Routine (Hb,TC,DC)	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200329	BT,CT	Blood	To be performed on the patient	--	Daily	3 Hrs	45 Min
200617	CBC	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200682	Fluid Cell Count	Appropriate fluid	Sterile Tube	3 ml	Daily	3 Hrs	1.5 Hrs
200200	DC	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200105	Eosinophil Count	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200110	ESR	Blood	Black	2 ml	Daily	3 Hrs	1.5 Hrs
200637	D-DIMER	Plasma	Blue	3 ml	Daily	3 Hrs	1.5 Hrs
101256	Fibrinogen	Plasma	Blue	3 ml	Daily	3 Hrs	1.5 Hrs
200101	Haemoglobin	Blood	Violet	3 ml	Daily	3 Hrs	45 Min
200331	Hb & PCV	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200312	LE Cells	Blood	Sterile conical flask	10 ml	Working days	Next Day	NA

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
			with Glass Beads				
200641	SICKLING TEST	Blood	Violet	3 ml	Working days	3 Hrs	NA
200688	Bone Marrow Aspirate	Appropriate Sample	Smear	1 ml	Working days	3 Hrs	NA
200401	Albumin	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200317	Bence Jones Protein	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200330	Bile salt & Bile Pigment	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200238	Chyle	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200626	Deposits	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200642	Eosinophil	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
00200695	Hemosiderin	Urine	Urine Container (Plastic)	-	Daily	Next day	
200607	Ketone	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200316	Motion Occult Blood	Stool	Stool Container (Plastic)	-	Daily	3 Hrs	
200333	Myoglobin	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200602	PH	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200625	reducing Substance	Urine / Stool	Urine/Stool Container (Plastic)	-	Daily	3 Hrs	
200321	Specific Gravity	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
200402	Sugar	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200600	Urine Routine	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200608	Urobilinogen	Urine	Urine Container (Plastic)	-	Daily	3 Hrs	
200619	MCH	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200620	MCHC	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200618	MCV	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200306	MF	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200305	MP	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200319	PCV	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200307	Peripheral Smear (P/S)	Blood	Violet	3 ml	Daily	Next day	NA
200304	Platelet	Blood	Violet	3 ml	Daily	3 Hrs	1Hr
200310	PT	Plasma	Blue	3 ml	Daily	3 Hrs	1Hr
200693	Rapid PT / INR	Peripheral Blood	Finger prick	--	Daily	15 Min	--
200322	PTT	Plasma	Blue	3 ml	Daily	3 Hrs	1Hr
200335	QBC (MP,MF)	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200302	RBC	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200303	Reticulocyte Count	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
200102	TC	Blood	Violet	3 ml	Daily	3 Hrs	1.5 Hrs
200640	Osmotic fragility	Blood	Green plus Violet	3 ml	Working days	One day	
200689	Ham's Test	Blood	Violet	3 ml	Working days	One day	
200690	Sucrose Lysis Test	Blood	Violet	3 ml	Working days	3 Hrs	NA
200727	KLEIHAUER BETKE TEST	Blood	Voilet	3 ml	Daily	Next day	
200750	Platelet Aggregometry	Blood	Blue	3 ml	Working days	Next day Evening	
200728	Platelet Aggregometry with AA	Blood	Blue	3ml	Daily	4 hrs	
200729	Platelet aggregometry with ADP	Blood	Blue	3ml	Daily	4 hrs	
200737	APTT Mixing Study	Blood	Blue	3ml	Daily	4 hrs	
200735	APT-Downey Test	Saliva/stool	Sterile Container		Daily	4 hrs	
200733	Thrombin time	Blood	Blue	3ml	Daily	4 hrs	
200745	Thrombophilia panel	Blood	Blue/voilet		Mon/wed/fri	Next day	
200734	RDW	Blood	Voilet	3ml	Daily	3 hr	
200409	Fat globules	Stool/urine	Urine		Daily	3 hrs	
200747	Hit assay	Blood	Red	3ml	Tue ,fri	Next day Evening	

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
200748	Epinephrine	Blood	Blue	3 ml	Working days	Next day Evening	
200744	Vonwillebrand Factor	Blood	Blue	3 ml	Working days	Next day Evening	
200743	Factor ix	Blood	Blue	3 ml	Working days	3 hrs	
200716	Protein c	Blood	1 citrate	3 ml	Mon/fri	2 days	
200717	Free protein s	Blood	1 citrate	3 ml	Mon/fri	2 days	
200718	Lupus anti coagulant Anti bodies	Blood	1 citrate	3 ml	Mon/fri	2 days	
300723	Jak 2 mutation Analysis	Blood	EDTA	3 ml	Working days	Next day	
300429	Factor v mutation Detection	Blood	EDTA	3 ml	Working days	Next day	
200742	Factor VIII	Blood	Citrtate	3 ml	Daily	3 hrs	
200731	Acute leukemia panel By flowcytometry	Blood/ bone Marrow	Edta/ heparin	3 ml	Working days	Next day	
200762	Clpd panel by Flowcytometry	Blood/ bone Marrow	Edta/ heparin	3 ml	Working days	Next day	
200730	Hla b27 screening by Flowcytometry	Blood	EDTA/ heparin	3 ml	Working days	Next day	
200740	Immunodeficiency Panel	Blood	EDTA/ heparin	3 ml	Working days	Next day	
200739	Cd4 cd8 count	Blood	EDTA/ heparin	3 ml	Working days	Next day	

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
200759	Cd19 b cell count	Blood	EDTA/ heparin	3 ml	Working days	Next day	
200760	Cd20 b cell count	Blood	EDTA/ heparin	3 ml	Working days	Next day	
200767	Cd4 cd8 count in bal	Bal fluid in Rpmi media	EDTA/ heparin	3 ml	Working days	Next day	
200768	B all mrd panel by Flowcytometry	Blood/ bone Marrow	Edta/ heparin	3 ml	Working days	Next day	
200765	T cell and b cell crossmatch	Recipient plasma/ Donor cells	Edta/ heparin	3 ml	Working days	Next day	
<b>00300642</b>	ANA BY IF	SERUM	RED	3 ml	MON/WED/ FRI	Same day 4pm	NA
00300526	ANCA by Elisa	Serum	RED	3 ml	thursday	same day 4pm	NA
00300698	ANCA By Immunofloresence	Serum	Red	3 ml	mon/wed/fri	same day 4pm	NA
00300519	Anti Cardiolipin antibodies	Serum	Red	3 ml	tuesday	same day 4pm	NA
00300702	ANA EXTENDED PROFILE BY LIA (23 &17 ANTIGEN)	Serum	Red	3 ml	mon/wed/fri	same day 4pm	NA
00300670	ANA PROFILE by LINE IMMUNO ASSAY (17 ANTIGEN)	Serum	Red	3 ml	mon/wed/fri	same day 4pm	NA
00300520	Anti Phospholipid antibodies	Serum	Red	3.5 ml	tuesday	same day	NA
00300727	AB TO HBCAG ( TOTAL)	Serum	Red	3ml	tue/fri	same day	NA

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
00300673	AB TO HBEAG	Serum	Red	3ml	tue/fri	same day	NA
00300263	AB TO HBCAG(IGM)	Serum	Red	3ml	tue/thu	same day 4pm	NA
00300640	ANTI HBS TITRE (STAFF ANDSTUDENTS)	Serum	Red	3ml	daily	same day	2 Hrs
00300310	A.S.O	Serum	Red	3.5 ml	daily	4 hrs	2 Hrs
00300738	ANTI SARS-CoV- 2 IGG NEUTRALIZING ANTIBODY	Serum	Red	3.5 ml	daily	4 hrs	2 Hrs
00300639	ANTI HbS TITRE	Serum	Red	3.5 ml	daily	sameday	3 Hrs
00300731	CB NAAT/ TRUENAT- REAL TIMERT-PCR FOR SARS-COV-2	Nasopharyngeal and Oro pharyngeal swab	Sterile swab withviral medium	3ml	<b>DAILY</b>	3 HRS	<b>2 HRS</b>
00300311	C.R.P	Blood	RED	3.5 ml	<b>DAILY</b>	<b>4 hours</b>	<b>2 Hrs</b>
00300662	CLOSTRIDIUM DIFFICILE TOXINAB	Stool	Sterile container	NA	<b>Daily</b>	<b>Same day</b>	<b>3 Hrs</b>
00300699	CALPROTECTIN- QUANTITATIVE	Stool	Sterile container	NA	<b>Daily</b>	<b>Same day</b>	<b>3 Hrs</b>
00300513	CMV IgM	Blood	RED	3.5 ml	<b>Saturday</b>	NEXT DAY	NA
00300115	Culture – AFB	Appr. Samp	Sterile	3 ml	<b>DAILY</b>	<b>4-6 weeks</b>	NA
00300578	Culture – AFB (mycobacterial	Appr. Samp	MGIT TUBE	3 ml	<b>DAILY</b>	<b>4-6 weeks</b>	NA



**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
	Bactec )MGIT						
00300537	Culture – Ascitic Fluid	Ascitic Fluid	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300538	Culture – Aspirated Fluid	Aspirated Fluid	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300300	Culture – Blood	Blood	BHI Broth	5 ml,(Adult) 2 ml (Paed)	<b>DAILY</b>	<b>72 Hrs</b>	<b>NA</b>
00300575	Culture – Blood ( Bactec)	Blood	BACTEC Bottle	5-8 ml (adults); 1-3 ml(Pediatrics	<b>DAILY</b>	<b>48 Hrs(preliminary)</b>	<b>NA</b>
00300542	Culture – Bronchial Wash	Bronchial Wash	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300544	Culture – CAPD	CAPD	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300547	Culture – Conjunctival Swab	Conjunctival Swab	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300543	Culture – CSF	CSF	Sterile	2 ml(Adult) 1 ml (Paed)	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300548	Culture – Drain Tip	Drain Tip	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300109	Culture – Ear Swab	Ear Swab	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300550	Culture – ET Secretion	ET Secretion	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>

**Note: If there is drug resistance for all antibiotics and in exceptional cases further testing takes additional 24 Hrs for reporting**

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
00300107	Culture – Corneal Scrapping	Corneal Scrapping	sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300116	Culture -Fungus	Appr. Sample	Sterile	3 ml	<b>DAILY</b>	<b>15 days</b>	<b>NA</b>
00300108	Culture - VAG Swab	High Vaginal Vault	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300116	Culture – Stool	Stool	Sterile	3.5 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300106	Culture - Nasal Swab	Nasal Swab	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300555	Culture – Pleural fluid	Pleural fluid	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300104	Culture – Pus (Aspirated)	Pus	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300557	Culture - Semen	Semen	Sterile	1 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300558	Culture - Skin Swab	Skin Swab	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300102	Culture - Sputum	Sputum	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300560	Culture - Synovial Fluid	Synovial Fluid	Sterile	3 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300105	Culture - Throat Swab	Tonsils, Posterior Pharyngeal swab	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300563	Culture - Tip	Tip	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300101	Culture - Urine	Urine	Sterile	3.5 ml	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300104	Culture - Wound Swab	Wound Swab	Sterile	NA	<b>DAILY</b>	<b>48 Hrs</b>	<b>NA</b>
00300591	Dengue NS1Ag(ELISA)	Blood	RED	3.5 ml	<b>DAILY</b>	<b>Same day</b>	<b>NA</b>

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
00300564	Dengue IgM & IgG (ELISA)	Blood	RED	3.5 ml	DAILY	Same day	NA
00300203	Direct smear AFB	App. Sample	Sterile	3 ml	DAILY	24 Hrs	3 hrs
00300566	India ink preparation + cryptococcal AG	App. Sample	Sterile	3 ml	DAILY	24 Hrs	3 hrs
00300671	GENEXPERT/ TRUENAT/ MTB / RIF	App. Sample	Sterile	3 ml	DAILY	24 Hrs	4 hrs
00300707	XPRT CARBA - resistant	App. Sample	NA	NA	DAILY	Same day	NA
00300733	Sars cov - 2- antibody- Total	BLOOD	RED	3ml	DAILY	Same day	NA
00300734	Sars cov -2 - antibody - igg	BLOOD	RED	3ml	DAILY	Same day	NA
00300703	Pneumococcal antigen	Urine/C.S.F	Sterile	3ml	DAILY	Same day	NA
00300737	Meningoencephalitis panel By film array	C.S.F	Sterile	2ml	DAILY	3 hours	NA
00300502	HSV TYPE I IGM	BLOOD	RED	3ml	Saturday	Saturday 4pm	NA
00300503	HSV TYPE II IGM	BLOOD	RED	3ml	Saturday	Saturday 4pm	NA
00300666	HSV I & II IGG (SERUM)	BLOOD	RED	3ml	Saturday	Saturday 4pm	NA
00300668	TORCH PANEL (IGG & IGM)	BLOOD	RED	3ml	Saturday	Saturday 4pm	NA
00300664	RUBELLA IGG	BLOOD	RED	3ml	Saturday	Saturday 4pm	NA

<b>SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY</b>							
<b>CODE NUMBER</b>	<b>TEST NAME</b>	<b>SPECIMEN</b>	<b>CONTAINER</b>	<b>VOLUME OF SAMPLE</b>	<b>TEST FREQUENCY</b>	<b>REPORTING TIME</b>	
						<b>ROUTINE</b>	<b>STAT</b>
00300665	CMV IGG	BLOOD	RED	3ml	Saturday	Saturday 4pm	NA
00300663	TOXOPLASMA IGG	BLOOD	RED	3ml	Saturday	Saturday 4pm	NA
00300609	CHIKUNGUNYA IGM - RAPIDTEST	BLOOD	RED	3ml	DAILY	Same day	3hrs
00300686	Galactomannan	Blood/Bal sample	Red/Sterile	3 ml	DAILY	24hours	NA
00300688	Antifungal susceptibility	App. Sample	Sterile	NA	DAILY	72 hours	NA
00300117	Culture Anaerobic organisms	App. Sample	Sterile	NA	DAILY	10days	NA
00300577	Culture Anaerobic(sterile Fluid (Bactec)	App. Sample	Sterile	3-5ml	DAILY	1week	NA
00300518	DS – DNA (elisa)	Blood	Red	3ml	Thursday	Same day 4pm	NA
00300208	Gram Stain	App. Sample	Sterile	1 ml	DAILY	12 Hrs	2 Hrs
00300567	KOH Stain	App .Sample	Sterile	NA	DAILY	12 Hrs	2 Hrs
00300517	Leptospira – IgM	Blood	Red	3 ml	DAILY	Same day 4pm	NA
00300573	R.A, ASO, CRP	Blood	Red	3.5 ml	DAILY	4 hours	2 Hrs
00300309	R.A. Factor	Blood	Red	3.5 ml	DAILY	4 hours	2 Hrs
00300507	Rubella IgM	Blood	Red	3.5 ml	Saturday	Saturday 4pm	NA

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
00300206	Stool - ova & cyst	Stool	Sterile	NA	DAILY	12 Hrs	2 Hrs
00300209	Stool Hanging Drop	Stool	Sterile	NA	DAILY	2 Hrs	1 Hrs
00300516	TORCH (IgM)	Blood	Red	3.5 ml	Saturday	Saturday after 4pm	NA
00300321	TPHA	Blood	Red	3.5 ml	Tue&Thu	Same day 4pm	4 Hrs
00300593	Automated blood C/S	Blood	Bactec/Bact/Alert Bottle	5-8 ml (adults); 1-3 ml (Pediatrics)	Daily	48 hrs	NA
00300594	Automated cultures other than Blood	Appropriate Sample	Sterile	NA	Daily	48 hrs	NA
00300564	Dengue IgM & IgG (ELISA)	Blood	Red	3.5 ml	DAILY	Same day 4pm	NA
00300591	Dengue NS1AG	Blood	Red	3.5 ml	DAILY	Same day 4pm	NA
00300607	H1N1 Realtime Qualitative PCR	Throat swab/Brochial wash	Sterile swab with viral medium	--	Mon/Wed/Fri	Next day	---
00300605	Malarial Antigen	Blood	EDTA	3 ml	DAILY	24 Hrs	3 hrs
00300730	REAL TIME REVERSE TRANSCRIPTION PCR FOR SARS COV-2 (QUALITATIVE)	Oral & nasopharyngeal swab	Viral transport medium	3 ML	DAILY	24 HOURS	NA
00300610	RSV	Nasopharyngeal aspiration	Sterile container	---	DAILY	24 Hrs	3 hrs

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
00300704	RSV Antigen-(FIA)	Nasopharyngeal aspiration	Sterile container	---	DAILY	Same day	3 hrs
00300618	Scrub typhus Igm(elisa)	Blood	Red	3 ml	Mon/Wed/Fri	Same day 4pm	
00300506	Toxoplasma IgM	Blood	Red	3.5 ml	Saturday	Saturday 4pm	NA
00300570	Urine AFB Culture	Urine	Sterile Bottle (Big)	Entire early morning urine	DAILY	56 days	NA
00300570	Urine AFB Smear	Urine	Sterile Bottle (Big)	Entire early morning urine	DAILY	24 Hrs	NA
00300302	VDRL	Blood	Red	3.5 ml	Mon-Sat	24 Hrs	2 Hrs
00300301	Widal	Blood	Red	3.5 ml	DAILY	24 Hrs	NA
00300611	BK VIRUS PCR	BLOOD	EDTA	3-5 ml	2 DAYS	NEXT DAY	NA
00300602	CMV - PP65 Antigen	BLOOD	EDTA (MORNING SAMPLE )	5-10 ml	2 DAYS	NEXT DAY	NA
00300620	CMV DNA QUANTITATIVE PCR	BLOOD	EDTA	3-5 ml	2 DAYS	NEXT DAY	NA
00300658	Combo HBV quantitative Realtime PCR and genotyping	BLOOD	2 EDTA	5-10 ml	15 -20 days	NEXT DAY	NA
00300655	Combo HIV-1 quantitative real Time PCR and drug resistance	BLOOD	2 EDTA	5-10 ml	15 -20 days	NEXT DAY	NA
00300641	Dengue realtime duplex	BLOOD	EDTA	5-10 ml	2 days	NEXT	NA

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
	PCR					DAY	
00300643	DS DNA by IF	BLOOD	RED	3ml	Mon/Wed/Fri	Same day	NA
00300429	Factor V mutation detection	BLOOD	EDTA/VIOLET	3 ml	Daily	NEXT DAY	NA
00300453	Gamma interferon TB (GOLD TB)	BLOOD	GREY/RED	3 ml	Thursday	Same day 4pm	NA
00300674	HAV IgM	BLOOD	RED	3 ml	Tuesday/ Friday	Same day	NA
00300672	HBEAG	BLOOD	RED	3 ml	Tuesday/ Friday	Same day	NA
00300649	HbsAG	BLOOD	RED	3 ml	DAILY	SAMEDAY	3 hours
00300616	HBV DNA - quantitative(real Time-PCR)	BLOOD	2 EDTA	5-10 ml	15 -20 days	NEXT DAY	NA
00300659	HBV DNA qualitative PCR	BLOOD	2 EDTA	5-10 ml	TUE/FRI	NEXT DAY	NA
00300657	HBV genotyping assay	BLOOD	EDTA	5-10 ml	15-20 days	NEXT DAY	NA
00300650	HCV AB	BLOOD	RED	3 ml	DAILY	SAMEDAY	3 hours
00300351	HCV genotyping	BLOOD	EDTA (MORNING SAMPLE )	5-10 ml	15 -20 days	NEXT DAY	NA
00300136	HCV rna real - time PCR (qualitative)	BLOOD	EDTA (MORNING SAMPLE )	5-10 ml	2 DAYS	NEXT DAY	NA
00300681	HCV rna real - time PCR	BLOOD	EDTA (MORNING	5-10 ml	2 DAYS	NEXT	NA

**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
	(quantitative		SAMPLE )			DAY	
00300268	HEV IgM	BLOOD	RED	3 ml	Tuesday	Same day 4pm	NA
00300653	HIV- 1 qualitative real time PCR	BLOOD	2 EDTA	5-10 ml	2-3 days	NEXT DAY	NA
00300654	HIV- 1 quantitative real time PCR	BLOOD	2 EDTA	5-10 ml	2-3 days	NEXT DAY	NA
00300648	HIV P24 Ag, HIV I & II Ab	BLOOD	RED	3 ml	DAILY	SAMEDAY	3 hours
00300656	HIV-1 Drug resistance testing	BLOOD	2 EDTA	5-10 ml	15 -20 days	NEXT DAY	NA
00300626	HSV1 DNA Quantitative real time PCR	BLOOD	EDTA	3 ml (blood) Other fluids- 1 to 2 m	2 DAYS	NEXT DAY	NA
00300624	HSV1,HSV2 AND VZV (Qualitative Real time PCR)	BLOOD/ FLUID	RED	3 ml (blood) Other fluids- 1 to 2 ml	2 DAYS	NEXT DAY	NA
00300625	HSV1,HSV2 AND VZV (Quantitative Real time PCR)	BLOOD/FLUID	RED	3 ml (blood) Other fluids- 1 to 2 ml	2 DAYS	NEXT DAY	NA
00300627	HSV2 DNA QUANTITATIVE REAL TIME PCR	BLOOD	EDTA	3 ml (blood) Other fluids- 1 to 2 m	2 DAYS	NEXT DAY	NA
00300723	JAK 2 Mutation analysis	BLOOD	EDTA	3 ML	10-15 DAYS	NEXT DAY	



**SRI RAMACHANDRA LABORATORY SERVICES – CLINICAL MICROBIOLOGY**

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME	
						ROUTINE	STAT
00300697	MTB/NTM - REALTIME Qualitative PCR & TRC4	ALL BODY FLUIDS	STERILE CONTAINER	5 ml	Wed	NEXT DAY	NA
00300604	RT - PCR FOR CHICKUNGUNYA VIRAL INFECTION	BLOOD	EDTA	5-10 ml	2 Days		NA
00300601	TB PCR -COMBINED (IS6110 AND TRC 4)	URINE CULTURE	CONTAINER	5 ml	Wed	NEXT DAY	NA
00300628	VZV DNA Quantitative real time Pcr	BLOOD	EDTA	3 ml (blood) Other fluids- 1 to 2 m	2 DAYS	NEXT DAY	NA

## HISTOPATHOLOGY & CYTOLOGY

TEST CODE	TEST NAME	SPECIMEN TYPE	TEST FREQUENCY	REPORTING TIME	
				ROUTINE	STAT
00200520	HP Frozen Section	Fresh Tissue (or) in saline	Daily	---	20 minutes
00200692	HP Rapid Technique	Tissue in 10% Formalin	Daily	---	Next working day
00200530	HP Single Biopsy small	Tissue in 10% Formalin	Daily	Two working days	---
00200531	HP Multiple Biopsy small	Tissue in 10% Formalin	Daily	Two working days	---
00200532	HP Biopsy Large	Tissue in 10% Formalin	Daily	Three working days	---
00200114	HP specimen Large - Oncology	Tissue in 10% Formalin	Daily	Five working days	---
00200699	HP Biopsy small (Paraffin Block)	Tissue Paraffin Block (FFPE)	Daily	Two working days	---
00200700	HP Biopsy Large (Paraffin Block)	Tissue Paraffin Block (FFPE)	Daily	Two working days	---
00200701	HP Biopsy Small (slides)	Stained Slides	Daily	Next working day	---
00200702	HP Biopsy Large (slides)	Stained Slides	Daily	Next working day	---
00200512	FNAC Examination (cytology)	Smear air dried & Smear fixed in Ethanol (or) 95%alcohol	Daily	One working day	---
00200513	Papsmear (Exfoliative cytology)	Smear Fixed (cytofix)	Daily	Two working days	---
00200510	Cytology (CSF,Pleural, Ascitic FluidSputum,etc.,)	Fluid	Daily	One working day	---
00200758	HP Rapid Technique(Multiple sample)	Tissue in 10% Formalin	Daily	----	Next working day
00200761	Papsmear (Exfoliative cytology)	Liquid Based Cytology (LBC)	Daily	Two working days	---

# Histopathology & Cytology

<b>Antigen Presence</b>
1. Vimentin

<b>Melanocyte Marker</b>
1. HMB45

<b>Organisms</b>
1. CMV 2. EBV-LMP

1. CD3	11. CD30	21. C-myc
2. CD4	12. CD45	22. Fascin
3. CD5	13. CD 56	23. Glycophorin
4. CD7	14. CD 68	24. Kappa
5. CD 8	15. CD79a	25. Lambda
6. CD 10	16. CD 138	26. MUM 1
7. CD 15	17. Alk Protein	27. MPO
8. CD 19	18. Bcl2	28. PAX 5
9. CD 20	19. Bcl6	29. tdT
10. CD 21	20. Cyclin D1	

<b>Epithelial Markers (Site specific)</b>		
1. CEA	6. GATA3	11. PAX 8
2. CDX2	7. Napsin A	12. SOX 10
3. CK 7	8. NKX 3.1	13. TTF-1
4. CK 20	9. Pan CK	
5. EMA	10. p40	
<b>Soft Tissue Marker</b>		

<b>Cancer Prognostic Markers</b>	
1. ER	4. Ki67
2. E-cadherin	5. PR
3. Her 2 neu	6. p53

<b>Germ Cell/ Stromal markers</b>	
1. AFP	4. PLAP
2. Glypican	5. SALL 4
3. Oct 4	6. Inhibin - $\alpha$

<b>Endocrine markers</b>	
1. ACTH	4. Prolactin
2. FSH	5. Thyroglobulin
3. hGH	6. TSH 7. LH

<b>Neural markers</b>	
1. ATRX	3. IDH
2. GFAP	4. S100

<b>Neuroendocrine</b>	
1. Chromogranin	
2. Synaptophysin	
3. INSM 1	

<b>Others</b>	
1. C4d	4. PLA2R
2. IgG4	5. SV40
3. p16	6. WT1

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TAT – 3 days  
afterpayment

# Histopathology & Cytology

Breast Panel	
1. AR	5. Ki67
2. ER	6. PR
3. EGFR	
4. Her 2 neu	

Soft tissue markers I	
1. CD34	4. Pan CK
2. CD68	5. SOX 10
3. Ki67	

Soft tissue markers II (specific)	
1. CD34	5. SAT B2
2. CD99	6. STAT 6
3. ERG	7. TLE 1
4. NKX 2.2	8. TFE 3

Hodgkins Lymphoma (HL)	
1. CD3	5. EBV LMP
2. CD20	6. PAX5
3. CD30	
4. CD45	

Non Hodgkins Lymphoma (NHL)	
1. Bcl2	6. CD20
2. Bcl 6	7. CD45
3. CD3	8. Cyclin D1
4. CD5	9. Ki67
5. CD10	10. MUM 1

Glioma panel	
1. ATRX	4. Ki67
2. GFAP	5. p53
3. IDH 1	

Meningioma panel	
1. EMA	2. Ki67

Pituitary panel	
1. ACTH	6. Ki67
2. CD56	7. Prolactin
3. FSH	8. Thyroglobulin
4. hGH	9. TSH
5. LH	

TAT – 3 days after payment

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**Department of Transfusion Medicine(Blood Bank)**  
**Immunohematology**

<b>ODE NUMBER</b>	<b>TEST NAME</b>	<b>SPECIMEN</b>	<b>CONTAINER</b>	<b>VOLUME OF SAMPLE</b>	<b>TEST FREQUENCY</b>	<b>REPORTING TIME</b>
00900101	Blood Grouping & Rh Typing*	Blood	Violet	3 ml	<b>DAILY</b>	<b>3 Hrs</b>
00900103	Direct Coombs Test (DCT)	Blood	Violet	3.5 ml	<b>DAILY</b>	<b>3 Hrs</b>
00900104	Indirect Coombs Test (ICT)	Blood	Yellow	3.5 ml	<b>DAILY</b>	<b>3 Hrs</b>
00900106	Cross matching*	Blood	Yellow	3.5 ml	<b>DAILY</b>	<b>3 Hrs</b>
00900107	Immunofluorescence studies	Contact lab	Contact Lab	-	<b>Daily</b>	<b>48 Hrs</b>
00900122	Lymphocyte Toxic Cross match	Blood	Patient : Yellow Donor :Green	3.5 ml	<b>ON APPOINTMENT</b>	-
<p>*STAT :45 min **For all the screening tests, if <b>Negative</b>, the reporting time is 24 hrs. if <b>Positive</b>, the reporting time is 72 hrs.</p>						

## HUMAN GENETICS

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME
00600087	Aneuploidy detection by QF-PCR	Blood / Amniotic Fluid	Contact lab	3 ml	Daily	10 days
00600013	Azoospermia (AZFa, AZFb, AZFc) - PCR analysis	Blood	Violet	3 ml	Daily	10 days
00600085	Biodosimetry test	Blood	Green	3 ml	On appointment	14 days
00600091	Cyto Pellet	Fixed cultured cell pellet	Contact lab	-	Daily	Not applicable
00600015	DNA Isolation for Molecular Diagnosis	Blood	Violet	3 ml	Daily	10 days
00600016	Duchenne's Muscular Dystrophy (25 exons) - PCR analysis	Blood	Violet	3 ml	Daily	10 days
00600044	FISH - Chimerism XY	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600026	FISH - Philadelphia chromosome - BCR/ABL (AML / CML)	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600021	FISH (Chromosomes 13 and 21)	Blood / Amniotic Fluid/ Chorionic villus	Contact lab	3ml/8ml/30mg	Daily	5 days
00600020	FISH (Chromosomes 13, 18, 21, X and Y)	Blood / Amniotic Fluid/ Chorionic villus	Contact lab	3ml/8ml/30mg	Daily	5 days
00600022	FISH (Chromosomes 18, X and Y)	Blood / Amniotic Fluid/ Chorionic villus	Contact lab	3ml/8ml/30mg	Daily	5 days
00600041	FISH 11q23 - MLL (AML / ALL)	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600045	FISH del(22q) - Digeorge syndrome	Blood / Amniotic Fluid	Contact lab	3 ml/20ml	Daily	10 days
00600096	FISH for Inversion(16)	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600038	FISH t(15;17) - PML/RARA - Acute Myelogenous Leukemia (AML)	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600099	FISH- Whole genome analysis by MFISH	Blood / Bone Marrow	Green	3 ml	Daily	10 days

## HUMAN GENETICS

CODE NUMBER	TEST NAME	SPECIMEN	CONTAINER	VOLUME OF SAMPLE	TEST FREQUENCY	REPORTING TIME
		Aspirate				
00600086	FISH-t(1;19) - TCF3/PBX1	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600005	Genetic Counseling	-	Contact lab	-	On appointment	-
00600082	Infertility package (Karyotyping and AZF analysis)	Blood	Violet	3 ml	Daily	10 days
00600002	Karyotype - amniocentesis	Amniotic fluid	Contact lab	20ml	Daily	14 days
00600001	Karyotype - blood	Blood	Green	3ml	Daily	14 days
00600009	Karyotype - bone marrow	Bone Marrow Aspirate	Green	3 ml	Daily	14 days
00600003	Karyotype - chorionic villi	Chorionic villus	Contact lab	30mg	Daily	14 days
00600089	MLPA Analysis for idiopathic Mental Retardation	Blood / Amniotic Fluid	Contact lab	3 ml	Daily	10 days
00600090	MLPA Analysis for Mental Retardation (Syndromic and Idiopathic)	Blood / Amniotic Fluid	Contact lab	3 ml	Daily	10 days
00600088	MLPA Analysis for syndromes with Mental Retardation	Blood / Amniotic Fluid	Contact lab	3 ml	Daily	10 days
00600094	MLPA Analysis PANEL 3	Blood / Amniotic Fluid	Violet/ <i>sterile tube provided</i>	3 ml	Daily	10 days
00600084	Molecular analysis of HLA B27	Blood	Violet	3 ml	Daily	10 days
00600083	Molecular analysis of sex reversal / ambiguous genitalia (FISH and <i>SRY</i> analysis)	Blood	Violet	3 ml	Daily	10 days
00600028	Molecular HLA typing - Class I	Blood	Violet	3 ml	Daily	10 days
00600012	Molecular HLA typing - Class II	Blood	Violet	3 ml	Daily	


## HUMAN GENETICS

<b>CODE NUMBER</b>	<b>TEST NAME</b>	<b>SPECIMEN</b>	<b>CONTAINER</b>	<b>VOLUME OF SAMPLE</b>	<b>TEST FREQUENCY</b>	<b>REPORTING TIME</b>
00600058	Package 12 - CVS: Karyotyping and FISH (Chromosomes 18, X and Y)	Chorionic villus	Contact lab	30mg	Daily	14days / 5 days
00600059	Package 13 - CVS: Karyotyping and FISH (Chromosomes 13 and 21)	Chorionic villus	Contact lab	30mg	Daily	14days / 5 days
00600060	Package 14 - CVS: Karyotyping and FISH (Chromosomes 13, 18, 21, X and Y)	Chorionic villus	Contact lab	30mg	Daily	14days / 5 days
00600061	Package 15 - Amniotic fluid: Karyotyping and FISH (Chromosomes 18, X and Y)	Amniotic fluid	Contact lab	20 ml	Daily	14days / 5 days
00600062	Package 16 - Amniotic fluid: Karyotyping and FISH (Chromosomes 13 and 21)	Amniotic fluid	Contact lab	20 ml	Daily	14days / 5 days
00600063	Package 17 - Amniotic fluid: Karyotyping and FISH (Chromosomes 13, 18, 21, X and Y)	Amniotic fluid	Contact lab	20 ml	Daily	14days / 5 days
00600064	Package 18 - Peripheral blood: Karyotyping and FISH (Chromosomes 18, X and Y)	Blood	Green	3 ml	Daily	14days / 5 days
00600065	Package 19 - Peripheral blood: Karyotyping and FISH (Chromosomes 13 and 21)	Blood	Green	3 ml	Daily	14days / 5 days
00600066	Package 20 - Peripheral blood: Karyotyping and FISH (Chromosomes 13, 18, 21, X and Y)	Blood	Green	3 ml	Daily	14days / 5 days
00600018	Package 21 - Azoospermia + SRY gene	Blood	Violet	3 ml	Daily	10 days
00600067	Package 22 - HLA typing - Class I & II	Blood	Violet	3 ml	Daily	10 days



## HUMAN GENETICS

<b>CODE NUMBER</b>	<b>TEST NAME</b>	<b>SPECIMEN</b>	<b>CONTAINER</b>	<b>VOLUME OF SAMPLE</b>	<b>TEST FREQUENCY</b>	<b>REPORTING TIME</b>
00600050	Package 4 - ALL: FISH (BCR/ABL, TEL/AML1 & MLL)	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600052	Package 6 - ALL: Karyotyping and FISH (BCR/ABL, TEL/AML1 & MLL, PBX1/TCF3)	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	14days / 5 days
00600050	Package 7 - AML: FISH (PML RARA, AML1/ETO & CBF3)	Blood / Bone Marrow Aspirate	Green	3 ml	Daily	5 days
00600017	SRY gene - PCR analysis	Blood	Violet	3 ml	Daily	10 days
00600036	Stress cytogenetics for Fanconi Anemia	Blood	Green	5 ml	Daily	14 days

	<b>SRI RAMACHANDRA LABORATORY SERVICES</b>	<b>HOSPITAL CENTRAL LABORATORY</b>
	<b>Critical (Panic) Alert Values</b>	
<b>Issue No : 4</b>	<b>Date: 25.05.21</b>	<b>Page 48 of 7</b>

Biochemistry

TEST	Critical Low	POSSIBLE EFFECT	Critical High	POSSIBLE EFFECT
<b>Biochemistry</b>				
Glucose > 1 yr (3 days – 1 year) Newborn: 0-2days	40 mg/dl 40 mg/dl 35 mgd/l	Coma,Heart rate variability & Brain injury	450 mg/dl 300 mg/dl 200 mg/dl	Diabetic Coma,Cerebral edema,Brain injury
Sodium Less than 1 yr More than 1 yr	125 mmol/L 120 mmol/L	Neurological dysfunction,Cerebral edema & Gait instability	150 mmol/L 160 mmol/L	Extremes of dehydration Vascular Collapse, Confusion,neuromuscular excitability,seizures & Coma
Potassium New bornOthers	2.5 mmol/L 3 mmol/L	Muscle weakness, paralysis, cardiac arrhythmias,hypotension,hypoventilation	6 mmol/L 6 mmol/L	Cardiac toxicity with arrhythmias.
Chloride	80 mmol/L	Associated with Dehydration	120 mmol/L	Dehydration,Cardiac dysfunction,Edema
Bicarbonate	10 mmol/L	Acidosis,Renal damage,insulin resistance	40 mmol/L	Cardiac arrhythmias,Alkalosis
Calcium- Any age	6.0 mg/dl	Tetany, convulsions,paresthesia,muscle spasms	13 mg/dl	Cardiac arrhythmia,Palpitations,Fainting episodes
Ionized Calcium	0.8 mmol/L	Tetany and convulsions	1.6 mmol/L	Coma
Bilirubin, TotalNew born (0 – 7 days)			15.0 mg/dl	Brain Damage,Cerebral palsy
Phosphorous	1.0 mg/dl	Seizures and Coma	8.9	vascular calcifications



**SRI RAMACHANDRA LABORATORY  
SERVICES**

**Critical (Panic) Alert Values**


**HOSPITAL  
CENTRAL  
LABORATORY**

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Magnesium	1.0 mg/dl	Tremor, Tetany, seizures & arrhythmias	4.7 mg/dl	Respiratory depression, flaccidity paralysis of voluntary muscles hypotension & cardiac arrest
Osmolality, Serum	250 mmol/L	Brain Damage	325 mmol/L	Brain Damage
pH	7.2 pH units	Acidosis, Stupor, Drowsiness, Cardiac arrest and Death	7.6 pH units	Alkalosis, muscle cramping, weakness
pCO <sub>2</sub> Pediatric Adult	20 mmHg 20 mmHg	Respiratory alkalosis	55 mmHg 65 mmHg	seizures, coma
pO <sub>2</sub> Artery Adult Children New born	40 mmHg 45 mmHg 20 mmHg	Tachycardia, difficulty in breathing, cough	-- 125 90	Seizure, ocular toxicity, difficulty in breathing


	<b>SRI RAMACHANDRA LABORATORY SERVICES</b>	<b>HOSPITAL CENTRAL LABORATORY</b>
	<b>Critical (Panic) Alert Values</b>	
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TEST	Less than or Equal to	POSSIBLE EFFECT	Greater than or Equal to	POSSIBLE EFFECT
Amylase			200 U/L	Pancreatitis
Lipase			700 U/L	Acute pancreatitis
High sensitive Troponin T			>70 ng/L	High Risk for AMI
NT - Pro BNP			Below 50 yrs > 450 pg/mL Above 50 yrs > 900 pg/mL	Cardiac Failure
Ammonia <1 year >1 year			>100 micro mol/L >200 micro mol/L	Encephalopathy,coma,death
Carbamazepine Total			> 15 mcg/mL	Dysrhythmias, nystagmus, ataxia, dysarthria, respiratory depression, drowsiness, stupor, or coma
Valporic Acid Total			>151 mcg/mL	CNS depression, thrombocytopenia, and hepatic dysfunction
Phenytoin Total			>30 mcg/mL	Tremor, hyperreflexia, lethargy, and coma


	<b>SRI RAMACHANDRA LABORATORY SERVICES</b>	<b>HOSPITAL CENTRAL LABORATORY</b>
	<b>Critical (Panic) Alert Values</b>	
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### Hematology & C.Pathology

TEST	Less than or Equal to	POSSIBLE EFFECT	Greater than or Equal to	POSSIBLE EFFECT
<b>Coagulation</b>				
<b>PT – INR</b>			<b>5 (on anticoagulant)</b>	
<b>PT</b>		<b>Bleeding tendencies and / or hemorrhaging</b>	<b>30 sec</b>	
		<b>hemorrhage</b>		
<b>PTT</b>		<b>Bleeding tendencies and / or hemorrhage</b>	<b>&gt;70 (no meds) 100 (heparin)</b>	
<b>Fibrinogen</b>	<b>100 mg/dl</b>			
<b>D- Dimer</b>			<b>0.55mg/L FEU</b>	
<b>Bleeding Time</b>			<b>15 mins</b>	
<b>Hematology</b>				
<b>Hemoglobin</b>	<b>5.0 g/dl</b>	<b>Anemia requesting transfusion</b>	<b>20 g/dl</b>	<b>Polycythemia needs investigation</b>
<b>WBC</b>	<b>&lt;500 / mm<sup>3</sup></b>		<b>30,000 / mm<sup>3</sup></b>	
<b>Platelet</b>	<b>20,000 / mm<sup>3</sup></b>	<b>Internal hemorrhages</b>	<b>10,00,000 /mm<sup>3</sup></b>	<b>Intravascular clotting</b>
<b>QBC</b>	<b>Positive</b>	<b>Parasite</b>		
<b>Abs.Neut</b>	<b>500 / mm<sup>3</sup></b>	<b>Infection</b>		
<b>Peripheral smear</b>			<b>Presence of intracellular organisms Presence of blasts (1<sup>st</sup> time or relapse only)</b>	

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<b>TEST</b>	<b>Less than or Equal to</b>	<b>POSSIBLE EFFECT</b>	<b>Greater than or Equal to</b>	<b>POSSIBLE EFFECT</b>
CSF – Cell count			Intracellular organisms WBC count >300/micro liter Blasts/Tumor cells	Meningitis, Malignant infiltration
Body Fluids			Intracellular organisms Blasts/Tumor cells	Infection, Malignant infiltration
Urine analysis				
Glucose – Newborn			Positive	
Ketone – Newborn & Adults			Positive	Dehydration

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### **Microbiology**

Positive Blood culture grams stain

Positive cerebrospinal fluid grams stain, India Ink and cultures Positive sterile body fluid Grams stain and cultures

Positive cultures with Salmonella, Shigella and Vibrio cholera

Multi drug and Pan drug resistant isolates (MRSA ,VRE , ESBL and CRE etc) Positive H1N1

Bacillus anthracis, Clostridium Spp Brucella isolate

Systemic Fungus positive

Positive KOH wet mount

Positive Dengue IgM & NS1 Antigen Hanging Drop Study

Positive Pneumocystis jiroveci (Pneumocystis carinii – PCP) smear Isolation of Group B strep from a pregnant woman

Positive Cryptococcus antigen detection Positive AFB- smear, CBNAAT /Truenat

### **Histopathology**


#### **CRITICAL ALERT VALUES IN SURGICAL PATHOLOGY**

#### **Unexpected or Discrepant Finding**

Significant disagreement between frozen section and final diagnosis

Significant disagreement between immediate interpretation and final FNA diagnosis

- Unexpected malignancy (as determined by the clinical information provided)


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- Any other clinically significant and time-sensitive finding that was unsuspected (as determined by the clinical information provided).
- Significant disagreement and / or change between primary pathologist and outside pathologist consultation (at either the original or consulting institution)
- Significant information reported in an addendum not expected by the clinician. Clinicians do not know when an addendum is issued so it is not uncommon for this information to be overlooked unless it is specially brought to his or her attention


**Cases That Have Immediate Clinical Consequences**

- Crescents in greater than 50% of glomeruli in a kidney biopsy.
- Leukocytoclastic vasculitis
- Uterine content without villi or trophoblast
- Fat in an endometrial curettage
- Mesothelial cells in a heart biopsy
- Fat in colonic endoscopic polypecomies
- Transplant rejection
- Malignancy in superior vena cave syndrome
- Neoplasms causing **paralysis** **Infections** :
- Bacteria or fungi in cerebrospinal fluid cytology in immunocompromised or immnuocompetent patients.



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- Pneumocystis, fungi or viral cytopathic changes in bronchoalveolar lavage, bronchial washing, or brushing cytology specimens in immunocompromised or immunocompetent patients.
- Acid – fast bacilli in immunocompromised or immunocompetent patients
- Fungi in FNA of immunocompromised patients
- Bacteria in heart valve of bone marrow
- Herpes in Pap smears of near- term pregnant patients
- Any invasive organism in surgical pathology specimens of immunocompromised patients
- Malignant cells in cytology – FNAC, Fluid cytology, CSF, Papsmears (Unexpected)
- Polymorphs in synovial fluid
- Unexpected benignancy.

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**Critical (Panic) Alert Values for POCT**

TEST	Less than or Equal to	POSSIBLE EFFECT	Greater than or Equal to	POSSIBLE EFFECT
Glucose > 1 yr (3 days – 1 year) Newborn: 0-2days	40 mg/dl 40 mg/dl 30 mg/dl	<b>Brain Damage</b>	450 mg/dl 400 mg/dl 200 mg/dl	<b>Diabetic Coma</b>
Sodium Less than 1 yr More than 1 yr	125 mmol/L 120 mmol/L	<b>Extremes of dehydration Vascular collapse, edema, Hypervolemia, heart failure</b>	150 mmol/L 160 mmol/L	<b>Extremes of dehydration Vascular, Collapse ,edema, Hypervolemia, heart failure</b>
Potassium New born Others	2.8 mmol/L 2.8 mmol/L	<b>Muscle weakness, paralysis, cardiacarrhythmias.</b>	7.8 mmol/L 6.2 mmol/L	<b>Cardiac toxicity with arrhythmias.</b>
Ionized Calcium	0.8 mmol/L	<b>Tetany and convulsions</b>	1.6 mmol/L	<b>Coma</b>
pH	7.2 pH units	<b>Cardiac arrest</b>	7.6 pH units	
pCO <sub>2</sub> Pediatric Adult	20 mmHg 20 mmHg		55 mmHg 65 mmHg	
pO <sub>2</sub> Artery Adult Children New born	40 mmHg 45 mmHg 20 mmHg		-- 125 90	
Troponin T			> 70 ng/L	<b>High Risk</b>
Rapid PT			19 sec	<b>Bleeding tendencies and / orhemorrhaging</b>

## OUT SOURCED TESTS

S.No	TEST CODE	TEST NAMES	CONTAINER	Volume
1	00102480	24 Hr Urine Protein Electrophoresis	24 hr can	24 hrs total urine
2	00101268	24 Hrs 5HIAA Urine	24 hr can	24 hrs total urine
3	00102422	24 Hrs Urine (Citrate )	24 hr can	24 hrs total urine
4	00102305	24 Hrs Urine Catacholamins	24 hr can	24 hrs total urine
5	00101309	24 Hrs Urine Copper	24 hr can	24 hrs total urine
6	00102464	24 Hrs Urine Nor Metanephrine	24 hr can	24 hrs total urine
7	00102517	24 Hrs Urinen-Tellopeptide-Ntx	24 hr can	24 hrs total urine
8	00102210	Acetyl cholinestrse receptor AB)	Red	3 ml
9	00102287	Aldosterone	Red	3 ml
10	00102212	Alpha Antitrypsin	Red	3 ml
11	00102408	Anti TSH Receptor AB	Red	3 ml
12	00102669	Asca IgA	Red	3 ml
13	00102204	Anti GBM	Red	3 ml
14	00102262	Anti HAV IgG (Total)	Red	3 ml
15	00102432	Beta 2 Microglobulin	Red	3 ml
17	00300637	Anti Musk AB	Red	3 ml
18	00101318	Apo Lipo Protein A & B	Red	3 ml
19	00102451	Aspergillus IgE	Red	3 ml

20	00102499	Aspergillus IgG	Red	3 ml
21	00102518	Auto Immune Encaphalitis Panel (Csf/serum)	Red	3 ml
22	00102529	PLA2 Receptor AB	Red	3 ml
23	00102463	Chromogranin – A	Red	3 ml
24	00300307	Cold Agglutination	Red	3 ml
25	00101270	Cyclosporin	Voilet	3 ml
26	00101269	Cryo globulin (Qualitative)	Red	3 ml
27	00102247	C.S.F Oligonal Bands	Red	3 ml
28	00102308	Dihydrotestosterone	Red	3 ml
29	00300695	Anti Smooth Musle AB	Red	3 ml
30	00102311	EBV (VCA) IgM	Red	3 ml
31	00102436	EBV(VCA) IgG	Red	3 ml
32	00101312	Echinococcus IgG	Red	3 ml
33	00102426	Entamoeba Histolytica	Red	3 ml
34	00102310	Erythropoietin E	Red	3 ml
35	00102530	I Slet AB	Red	3 ml
36	00102534	VGKC-CSF	Red	3 ml
37	00102346	Renin activity	Violet-2	3 ml
38	00102506	SLA (Soluble Liver Antigen)	Red	3 ml
39	00101327	Vancomysin	Red	3 ml

40	00300614	Varicella Zoster IgM	Red	3 ml
41	00300613	Varicella Zoster IgG	Red	3 ml
42	00102534	VGKC-CSF	Red	
43	00300638	VGKC-Serum	Red	3 ml
44	00102505	Vitamin E	Red	3 ml
45	00102503	Vitamin B6	Violet	3 ml
46	00102269	Zinc	Red	3 ml
47	00102696	Anti Gliaden AB IgA	Red	3 ml
48	00102697	Anti Gliaden AB IgG	Red	3 ml
49	00102683	Ketone(serum)	Red	3 ml
50	00102702	Myoglobin(serum)	Red	3 ml
51	00102676	Paraneo plastic profile	Red	3 ml
52	00102478	H.Pylori IgG	Red	3 ml
53	00102477	H.Pylori IgM	Red	3 ml
54	00102476	H.Pylori IgA	Red	3 ml
55	00300631	Free Light Chain (Blood)	Red/Urine	3 ml/ 5 ml
56	00102312	Free PSA	Red	3 ml
57	00102485	GAD 65 AB	Red	3 ml
58	00300696	Anti Mitochondrial Ab	Red	3 ml
59	00102508	Haemoglobin (urine)	C/s container	5 ml

60	00102344	Haptaglobulin	Red	3 ml
61		IGF-1	Red	3 ml
62	00102320	IGF BP3	Red	3 ml
63	00101266	Immuno Electrophoresis	Red	3 ml
64	00102456	Inhibin B	Red	3 ml
65	00102322	Lead	Violet	3 ml
66	00102365	Leptosprosis Igg	Red	3 ml
67	00101318	Lipo Protein A	Red	3 ml
68	00102324	Lithium	Red	3 ml
69	00300635	Borellia IgM	Red	3 ml
70	00300636	Borellia IgG	Red	3 ml
71	00102256	ABTo LKM1 By If (Qualitative)	Red	3 ml
72	00102461	Metanephrine Plasma	Violet-2	3 ml
73	00102377	Meth Hemoglobin	Heparin (Green)	3 ml
74	00102533	Mycoplasma IgG	Red	3 ml
75	00102437	Mycoplasma IgG	Red	3 ml
76	00102326	Mumps IgG	Red	3 ml
77	00102364	Mumps IgM	Red	3 ml
78	00102363	Measles IgM	Red	3 ml
79	00102325	Measles IgG	Red	3 ml

80	00300687	NMDA (Serum)	Red	3 ml
81	00102535	NMDA CSF	Red	3 ml
82	00102483	NMO CSF	Red	3 ml
83	00102536	NMO-Serum	Red	3 ml
84	00100516	Aldolase	Red	3 ml
85	00102459	Paracetomal	Red	3 ml
86	00102265	Parietal Cell AB	Red	3 ml
87	00102433	Parvovirus B19 IgG	Red	3 ml
88	00102433	Parvovirus B19 IgG	Red	3 ml
89	00102690	MoG	Red	3 ml
90	00102457	JE Virus (CSF)	Red	3 ml
91	00102507	LPA (line probe assay)	Sputum (c/s container)	
92	00102693	Methotrexate	Red	3 ml
93	00102665	Stool fecal elastrace	c/s container	
94	00102367	Leptin	Red	3 ml
95	00102672	Levetractem	Red	3 ml
96	00101237	Ceruloplasmin	Red	3 ml
97	00102509	Htlv i and ii	Red	3 ml
98	00102675	MoG & NMO	Red	3 ml
99	00102681	Myositis profile (Serum)	Red/urine	3 ml/5 ml

100	00102684	C1 esterase inhibitor	Red	3 ml
101	00102411	HSV 1 igm (CSF)	Red	
102	00102409	HSV1 igg (CSF)	Red	
103	00102412	HSV 2 igm (CSF)	Red	
104	00102410	HSV 2 igg (CSF)	Red	
105	00102700	Tnf alpha level	Red	3 ml
106	00102666	TPMT	Violet-2	3 ml
107	00102442	Parvo virus b19 DNA PCR	violet	3 ml
108	00102695	Myeloma profile	Red	3 ml
109	00101266	Immuno Electrophoresis ( serum)	Red	3 ml
110	00102419	Immuno Electrophoresis ( 24 hrs urine)	24 hrs can	24 hrs total urine
111	00102473	CLL panel	1-Green, 1- violet	3 ml 3 ml
112	00102407	Brucella AB IgG	Red	3 ml
113	00102220	Brucella AB IgM	Red	3 ml
114	00102486	Bcr/abl - rt pcr (qualitative)	Violet-2	3 ml
115	00102484	Catecholamines plasma	Violet-2	3 ml
116	00102460	Phorphobilinogen - urine spot	C/s container	
117	00102330	Porphyrins - urine	c/s container	
118	00102239	Transferrin	Red	3 ml
119	00101326	Valproic acid	Red	3 ml



120	00102425	ASCA IgA AB	Red	3 ml
121	00102427	ASCA IgM AB	Red	3 ml
122	00102668	ASCA IgG	Red	3 ml
123	00102504	Vitamin c	Green/Red	3 ml
124	00102729	Beta D glucan	Red-2	3 ml
125	00102691	PNH Flow cytometry	Violet	3 ml
126	00102513	Pra (panel reactive antibody)	Red	3 ml
127	00102701	Chimerism (post)	Violet -2	3 ml
128	00102692	Chimerisam (pre)	Violet -2	3 ml
129	00102563	Neonatal screening panel-2	Card	
130	00102629	LSDgroup 1 enzyme assay -any 1	Violet -1,Green -1 ,C/s Urine	3 ml 15 ml
131	00102584	Specialized metabolic test 3	1-Red,1-Green,1-Violet,C/s Urine	3 ml 15 ml
132	00102730	FLT3, cebp, npm1	Violet -2	
133	00102732	FLT3mutationgene	Violet-2	
134	00102677	NPM1	Violet-1	
135	00102514	DSA(donor specific antigen)	Red-2	
136	00102673	HLA class 1 & 2	Violet-2,Red-2	