



24 HRS WORKING

663 GTB NAGAR, NEAR GURU RAVIDASS CHOWK
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DIRECTORY OF TEST

w.e.f:- 01/04/2014

S.NO.	TEST NAME	Minimum sample requirement	Vial /container	Additive	METHOD	TAT	STABILITY/storage e
1	Absolute Eosinophil count (AEC)	2.0 ml whole blood	Purple top tube	EDTA	Cell counter & microscopy	2 hours	Room temp. 6 hours and 48 hours at 4-8 degree Celcius
2	ABG	0.2ml arterial blood	Heparinised syringe	Heparin (1000IU/ml)	ISE	30 min	Immediately.
3	Adenosine Deaminase (ADA)	1.0 ML serum plasma, body fluid and CSF	Red top tube	Nil	Spectrophotometry	4 hours	Room temp. 2 hours and 07 days at 4-8 degree Celcius
4	AFB STAIN	Sputum, urine,Pus, body fluid FNAC &Histo Slides	Sterilize container	NA	Microscopy	01 day	Room temp. 2 hours , 48 hours at 4-8 degree Celcius
5	AFB CULTURE	Sputum, tissue in normal saline/ whole blood heparinised	Sterilize container	NA	L J	01 Month	Room temp. 2 hours , 48 hours at 4-8 degree Celcius
6	Albumin, Serum	0.5 ml serum	Red top tube	Nil	Spectrophotometry	01 hour	Room temp. 2 hours , 07 days at 4-8 degree Celcius
7	Alkaline phosphatase, Serum	0.5 ml serum	Red top	Nil	Spectrophotometry	01 hour	Room temp. 72 hours and 07 days at 4-8 degree Celcius
8	Ammonia	2ml	Purple top tube	EDTA	Spectrophotometry	2 hours	immediately
9	Amylase	0.5 ml serum	Red top	Nil	Spectrophotometry	01 hour	Room temp. 6 hours and 07 days at 4-8 degree Celcius
10	Anti-StreptolysinASO	0.5 ml serum	Red top	Nil	Slide test	01 hour	Room temp. 4-6 hours and 02 days at 4-8 degree Celcius

11	APTT	1.8 ml Blood	Blue top	Sodium citrate	Manual tube method	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celcius.
12	Bilirubin	0.5 ML serum	Red top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 7 2 hours at 4-8 degree Celcius
13	Blood group	2.0 ml anticoagulated blood	Purple top	EDTA	Slide	01 hour	Room temp. 2 hours and 7 2 hours at 4-8 degree Celcius
14	Bleeding Time (BT)	Conducted on patient	Nil	NIL	Duke	01 hour	NA
15	B J Protein, Urine	10 ml Urine	Sterilize Container	Nil		02 Hours	NA
16	Bone Marrow Aspiration	2 ml Bone Marrow Aspirate in 1 Lavender Top and 2 ml whole blood in lavender Top and 2 peripheral Smear. Air dry and fix all smears in 100 % Methanol.	Lavender Top	EDTA	Microscopy of Leishman/Giemsa Stained smear	01 day	Room temp. 02 hours and 48 hours in refrigerator
17	C Reactive protein (CRP)	0.5 ML serum	Red top tube	Nil	Immune Turbimetry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celcius.
18	Calcium Total, Serum	0.5 ML serum	Red top tube	Nil	Spectrophotometry	01 hour	Room temp. 1 hours ,07 days at 4-8 degree Celcius.
19	Calcium, Urine	10 ml	Sterilize Container	Nil	Spectrophotometry	02 Hours	
20	Chloride, Serum	0.5 ML serum	Red top tube	Nil	Spectrophotometry	01 hour	Room temp. 2 hours ,7 days at 4-8 degree Celsius
21	Cholesterol, Serum	0.5 ML serum	Red top tube	Nil	Spectrophotometry	01 hour	Room temp. 2 hours , 07 days at 4-8 degree Celsius
22	Clotting Time (CT)	Conducted on patient	Nil	Nil	Lee & White	01 hour	NA

23	CBC	2.0 ml blood	Lavender top tube	EDTA	Cell coulter and microscopy	01 hour	Room temp. 6 hours, and 48 hours at 4-8 degree Celsius
24	Coomb's Test Direct	2.0 ml EDTA blood	Lavender top tube	EDTA	Manual Tube method	01 hour	Room temp. 2 hours , 48 hours at 4-8 degree Celsius
25	Coomb's Test Indirect	0.5 ML serum	Red Top	Nil	Manual Tube method	02 hours	Room temp. 6 hours and 48 hours at 4-8 degree Celsius
26	CPK	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
27	CPKMB	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours, 07 days at 4-8 degree Celsius
28	Creatinine, Serum	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
29	Creatinine, Urine	5.0 ml	Sterilize Container	Nil	Spectrophotometry	02 hours	NA
30	CSF for CYTO & BIO.	2.0 ml CSF	Sterilize container and syringe	Nil	Microscopy & Spectrophotometry	01 hour	NA
31	CULTURE BLOOD PYOGENIC	5-10ML Blood	Sterilize vial	Glucose Broth	Streak Method	07 days	NA
32	CULTURE BLOOD ENTERIC	5-10 ML BLOOD	Sterilize vial	Bile Broth	Streak Method	07 days	NA
33	CULTURE BLOOD ENTERIC+ PYOGENIC	5-10 ml in both bile	Sterilize vial	Glucose Broth & Bile Broth	Streak Method	07 days	NA
34	CULTURE URINE	10 ml Urine	Sterilize container	Nil	Streak Method	02 days	NA
35	CULTURE STOOL	10 Gm stool	Sterilize container	Nil	Streak Method	02 days	NA
36	CULTURE (pus/ /ET tube/cervical swab/ CSF, Bed sore)	10 ml	Sterilize container	Nil	Streak Method	02 days	NA

37	CULTURE (any body fluid)	5.0 ml any body fluid	Sterilize container	Nil	Streak Method	02 day	NA
38	FNAC	Aspirated material	NA	NA	Microscopy	01 day	NA
39	PAP	Prepared and alcohol fixed slides from consultant			Microscopy	01 day	NA
40	Dengue NS1 Antigen & antibody	0.5 ML serum	Red Top	Nil	Rapid card test	01 hour	Room temp. 6 hours , 07 days at 4-8 degree Celsius
41	Electrolytes Na, K,	0.5 ML serum	Red Top	Nil	Ion selective	01 hour	Room temp. 2 hours , 24 hours at 4-8 degree Celsius
42	Electrolytes (blood) Na, K, Ca,	0.5 ML serum	Red Top	Nil	Ion selective	01 hour	Room temp. 2 hours and 24 hours at 4-8 degree Celsius
43	Electrolytes, Total(Na,k ,Ca,Mg,Ph-ous,Cl)	1.0 ML serum	Red Top	Nil	Ion selective & Spectrophotometry	01 hour	Room temp. 2 hours and 24 hours at 4-8 degree Celsius
44	ESR	1.6 ml blood in Black Top vial	Black Top	3.6 % sodium citrate	Westergren	02 hours	Room temp. 2 hours , 72 hours at 4-8 degree Celsius
45	Fluid (Any body Fluid) for cyto & Bio.	10 ml	Sterile Container	Nil	Microscopy & Spectrophometry	06 hours	NA
46	Fluid For Malignant Cells	10 ml	Sterile Container	Nil	Microscopy	01 day	NA
47	FLUID FOR CYTO	10 ml	Sterile Container	Nil	Microscopy	06 Hrs	NA
48	FERRITIN	1.0 ML SERUM	RED TOP	NIL	Enzyme Linked Fluorescent assay (ELFA	3 HRS	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
49	G6PD	2.0 ml EDTA blood	Lavender Top	EDTA	Qualitative Visual Method	12 hours	Room temp. 2 hours and 48 hours at 4-8 degree Celsius

50	Glucose, serum	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	06 hours at fluoride vial
51	Gram stain	Submit specimen in a sterile screw capped container or smeared on to 2 glass slides.	sterile screw capped container or smeared on to 2 glass slides.	Nil	Microscopy	01 day	Room temp. 2 hours and 07 days at 4-8 degree Celsius
52	GGT	0.5 ml Serum	Red Top	NIL	Spectrophotometry	02 hours	Room temp. 2 hours and 07 days at 4-8 degree Celsius
53	GTT	1.0 ml plasma from grey Top tube and 10 ml aliquot of corresponding urine for each timed specimen. Collect fasting baseline plasma and urine specimen (0 hr) Dissolve 75 g glucose in adults/ 1.75 g/ kg weight in children (not exceeding 75 g) in 300 ml water. Administer orally over a period of 5 minutes. Collect additional plasma and urine samples at 0.5, 1.0, 1.5, 2.0 & 2.5 hours. Note time drawn on each tube, urine vial and request form.	Grey Top	Sodium Fluoride	Spectrophotometry	04 hours	Room temp. 6 hours and 24 hours at 4-8 degree Celsius
54	Glycosylated Hb	2.0 ml Whole Blood	Lavender Top	EDTA	Spectrophotometry	01 Day	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
55	HDL Cholesterol	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
56	Haemoglobin	2.0 ML EDTA blood	Lavender Top	EDTA	Cell coulter	01 hour	Room temp. 6 hours, 48 hours at 4-8 degree Celsius
57	Hepatitis A, IgM	0.5 ML serum	Red Top	Nil	Rapid Card test	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius

58	Hepatitis B HBsAg	0.5 ML serum	Red Top	Nil	Rapid Card test	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
59	Hepatitis C HCV	0.5 ML serum	Red Top	Nil	Rapid Card test	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
60	Hepatitis E HEV	0.5 ML serum	Red Top	Nil	Rapid Card test	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
61	HIV 1 & HIV 2	0.5 ML serum	Red Top	Nil	Rapid Card test	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
62	HIC(10 SWABS – aerobic only)	10 swabs from different areas	NA	NA	Streak Method	03 days	NA
63	Histopat hology (Small)	Submit specimen in 10 % formalin. Clinical history is mandatory	Container according to size	10 % formalin	Microscopy	07 days	NA
64	Histopat hology (Large)	Submit specimen in 10 % formalin. Clinical history is mandatory	Container according to size	10 % formalin	Microscopy	07 days	NA
65	India Ink Preparation	1.0 ml CSF	Sterilize container & syringe	Nil	Microscopy	01 day	48 hours on 18-22 degree Celsius
66	IgE serum	1.0 ML serum	Red Top	Nil	Spectropho metry	01 day	Room temp. 2 hours and 07 days at 4-8 degree Celsius
67	KOH Preparati on (Fungal Stain)	Submit skin nail scrapping , hair CSF in sterile container	Sterilize container	Nil	Microscopy	01 day	NA
68	Lactate	2.0 ml blood in Grey Top Flouride vial	Grey Top	Sodium fluride	Spectropho metry	01 day	RT : NA

69	Lipid Profile	1.0 ML serum	Red Top	Nil	Spectrophotometry	02 hours	Room temp. 2 hours and 07 days at 4-8 degree Celsius
70	LIPASE	0.5 ML Serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
71	LFT-1	1.0 ML serum	Red Top	Nil	Spectrophotometry	02 hours	Room temp. 2 hours and 07 days at 4-8 degree Celsius
72	LFT WITH GGT	1.0 ML serum	Red top	Nil	Spectrophotometry	02 hours	Room temp. 2 hours and 07 days at 4-8 degree Celsius
73	LE Cells	10 ml whole blood	Lavender Top	EDTA	Romanowsky Staining	01 Day	Room temp. 02 hours, 48 hours at 4-8 degree Celsius
74	Malarial Antigen	2.0 ml EDTA blood	Lavender Top	EDTA	Rapid Card test	01 hour	Room temp. 6 hours and 02 days at 4-8 degree Celsius
75	Malarial smear	2.0 ml EDTA blood	Lavender Top	EDTA	Slide Method	01 hour	Room temp. 6 hours and 02 days at 4-8 degree Celsius
76	Montoux Test	Patient to report lab on day 1 & 3 of the test	NA	Nil	Intradermal skin test	02 day	NA
77	Magnesium	0.5ml serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours , 24 hours at 4-8 degree Celsius
78	Micro Albumin, urine	0.5 ML serum	Sterilize container	Nil	Spectrophotometry	01 hour	Room temp. 6 hours and 07 days at 4-8 degree Celsius
79	Occult Blood Stool	2.0 gm stool	Sterilize container	Nil	Rapid card test	01 hour	NA
80	Osmotic Fragility	3.0 ml Whole blood	Green Top	Heparin	Parparts	01 day	Room temp. 2 hours and 72 hours at 4-8 degree Celsius

81	PAP Smear	Collected smears on two slides	NA	NA	Microscopy	01 day	NA
82	Phosphorus	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
83	Platelet count	2.0 ML EDTA blood	Lavender Top	Nil	Cell coulter and microscopy	01 hour	Room temp. 6 hours and 48 hours at 4-8 degree Celsius
84	PBF	2.0 ml EDTA blood	Lavender Top	EDTA	Slide Method	01 hour	Room temp. 6 hours and 02 days at 4-8 degree Celsius
85	Pregnancy Test (URINE)	5.0 ML urine	Sterilize container	Nil	Rapid Card test	01 hour	Room temp. 2 hours and 24 hours at 4-8 degree Celsius
86	Procalcitonin PCT	1.0 ML Serum	Red Top	Nil	Rapid card test	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
87	Prostate specific antigen (PSA) total	1.0 ml Serum (clinical history required.)	Red Top	nil	Enzyme Linked Fluorescent assay (ELFA)	Same day	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
88	S. Proteins	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
89	Prothrombin Time (PTI)	1.8 ml Blood in Blue Top Tube	Blue Top	3.2 sodium citrate	Clot dissolution	02 hours	Room Refrigerated
90	Reticulocyte count	2.0 ML EDTA Blood	Lavender Top	EDTA	Microscopy	04 hours	Room temp. 06 hours and 48 hours at 4-8 degree Celsius
91	RA Factor	0.5 ML serum	Red Top	Nil	Slide test	01 hour	Room temp. 2 hours, 07 days at 4-8 degree Celsius
92	RA Factor with Titre	1.0 ML serum	Red Top	Nil	Slide test	01 hour	Room temp. 2 hours, 07 days at 4-8 degree Celsius
93	Renal	2.0 ML EDTA	Lavender	EDTA & Nil	Cell Counter,	02	Room temp. 2

	Function Test (RFT) (CBC, Sugar, Urea, Creatinine. Uric Acid, Na, K, Ca & Urine Routine)	& 1.0 ML SERUM	Top & Red Top		Spectrophotometry & Ion Selective	hours	hours and 07 days at 4-8 degree Celsius
94	Semen Analysis	Collected sample in sterile container within 30 minutes of collection. Give proper instruction to patients.	Sterilize container	Nil	Microscopy	02 hours	Room temp. 01 hour
95	SGOT	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
96	SGPT	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
97	Stool Routine Examination	5.0 gm Stool	Clean container	Nil	Microscopy	02 hours	Room temp. 2 hours and 24 hours at 4-8 degree Celsius
98	Stool for Fat globules	5.0 gm stool	Clean container	Nil	Microscopy	02 hours	Room temp. 2 hours, 24 hours at 4-8 degree Celsius
99	Stool for Hanging Drop	5.0 gm stool	Clean container	Nil	Hanging drop	02 hours	NA
100	Stool For Reducing substance	5.0 gm stool	Clean container	Nil	Benedict's	02 hours	NA
101	Sickling Phenomenon	2.0 ml Whole Blood	Levodor Top	EDTA	Deoxygenation	01 day	Room temp. 2 hours, 48 hours at 4-8 degree Celsius
102	T3	1.0 ML Serum	Red Top	Nil	Enzyme Linked	Same	Room temp. 2

					Fluorescent assay (ELFA)	day	hours and 48 hours at 4-8 degree Celsius
103	T4	1.0 ML Serum	Red Top	Nil	Enzyme Linked Fluorescent assay (ELFA)	Same day	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
104	TSH	1.0 ML Serum	Red Top	Nil	Enzyme Linked Fluorescent assay (ELFA)	Same day	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
105	Thyroid panel (T3,T4,TS H)	2.0 ML Serum	Red Top	Nil	Enzyme Linked Fluorescent assay (ELFA)	Same day	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
106	TROP (T)	0.5 ML serum+ 1.0 ml whole blood	Red Top & Levendor Top	Nil	Rapid card test	02 hours	Room temp. 2 hours and 07 days at 4-8 degree Celsius
107	TROP (I)	0.5 ML serum +1.0 ml whole blood	Red Top & Levendor Top	Nil	Rapid card test	02 hours	Room temp. 2 hours and 07 days at 4-8 degree Celsius
108	Typhi dot	0.5 ML serum	Red Top	Nil	Rapid Card test	02 hours	Room temp. 2 hours , 07 days at 4-8 degree Celsius
109	TLC & DLC	2.0 ML EDTA blood	Lavender Top	EDTA	Cell coulter	01 hour	Room temp. 6 hours ,48 hours on 4-8 degree Celsius
110	Urea Blood	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
111	Uric Acid	0.5 ML serum	Red Top	Nil	Spectrophotometry	01 hour	Room temp. 2 hours and 07 days at 4-8 degree Celsius
112	Urine Routine Examination	10 ML urine	Sterilize container	Nil	Strip with microscopy	01 hour	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
113	Urine For Reducing Sugars	10 ML urine	Sterilize container	Nil	Benedict	01 hour	Room temp. 2 hours
114	Urine For	10ML urine	Sterilize	Nil	Sulphur	01	Room temp. 2

	Bile Salt		container		powder	hour	hours and 48 hours at 4-8 degree Celsius
115	Urine for Bile Pigment	10 ML urine	Sterilize container	Nil	Ehrlich	01 hour	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
116	Urine for Urobilinogen	10 ML urine	Sterilize container	Nil		01 hour	Room temp. 2 hours and 48 hours at 4-8 degree Celsius
117	Urine Protein 24 Hours	10 ml aliquot of 24 hours Urine. Record 24 hours volume on container and test Request	2-5 ltr capacity container	Nil	Spectrophotometry	02 hours	Room temp. 2 hours and 01 week at 4-8 degree Celsius
118	Urine for Hb	10 ml Urine	Sterilize Container	Nil	Card test	04 hours	NA
119	Urine For Specific Gravity	10 ml Urine	Sterilize Container	Nil	Strip Method	01 hours	NA
120	Urine Ketone	10 ml Urine	Sterilize Container	Nil	Strip Method	01 hours	NA
121	VDRL	0.5 ml Serum	Red Top	NIL	Rapid Strip Method	02 hours	Room temp. 2 hours ,07 days at 4-8 degree Celsius
122	Widal	1.0 ML serum	Red Top	Nil	Slide Test	02 hours	Room temp. 2 hours and 07 days at 4-8 degree Celsius
123	VDRL Titer	1.0 ML Serum	Red Top	Nil	Slide Test	02 hrs	Room temp. 2 hours and 07 days at 4-8 degree Celsius
124	VITAMIN D	1.0 ML SERUM	Red Top	Nil	Enzyme Linked Fluorescent assay (ELFA)	03 hrs	Room temp. 2 hours and 48 hours at 4-8 degree Celsius