



List of Laboratory Tests at the Specialty Hospital Laboratory

Analyte	Sample	T.A.T / Instructions
17-OH-Progesterone	Serum	24 Hours
5-Hydroxyindoleacetic Acid (5HLAA)	24 hours urine collection	Monday
Absolute Eosinophil Count	EDTA whole blood	Daily
Acetone ; Urine/ Serum	Urine /Serum	Daily
Acetylcholine Receptor Antibodies Quantitative	Serum	3 Working days
Acid Fast Bacilli Smear/ Ziehl Neelsen Stain	Sputum	3 Working days
Acid Fast Bacilli (AFB) Culture	Body Fluid	40 Days
Acidified Serum Test (Ham Test)	EDTA whole blood	1 Working Day
ADP Test	Hirudin Tube	Daily (8 Am- 4 Pm)
Adrenaline/ urine	24 hours Urine Collection	Sunday
Adrenocorticotrophic Hormone ACTH	EDTA, Plasma	Daily , Separate Plasma and send immediately or freeze
Alanine Aminotransferase (ALT)	Serum	Daily
Albumin	Serum	Daily
2Albumin Excretion rate (Microalbumin)	Urine	Daily
Aldolase ; Serum Level	1 ml Serum	Daily
Aldosterone	Serum/Plasma	2 Working Days
Aldosterone Renin Ratio	Serum	2 Working Days
Alkaline Phosphatase	Serum	Daily
Alpha Fetoprotein (AFP)	Serum	Daily
Alpha-1-Antitrypsin	Serum	3 working Days
Ammonia	EDTA Whole blood	Daily/ Fasting ,Separate EDTA plasma & send immediately in ice, Sample in a capped tube and free of lipemia
Amylase total	Serum	Daily
Angiotensin Converting Enzyme (ACE)	Serum/Heparin	2 Working Days
Anti - DNA	Serum	2 Working Days
Anti -ds DNA	Serum	2 Working days
Anti Endomysial Antibodies ; IgA / IgG	Serum	2 Working days
Anti -Glutamic Acid Decarboxylase (Anti- GAD Ab)	Serum	3 Working Days
Anti -MAG	Serum	3 Working Days
Anti Mullerian Hormone (AMH)	Serum	Daily
Anti Neuronal (plus*) IgG/IgM	Serum	4 Working Days
Anti-Cardiolipin Antibodies; IgG/ IgM	Serum	2 working days
Anti-Centromere Antibodies	Serum	2 working days
Anti-Cyclic Citrullinated Peptide (ACCP)	Serum	2 working days
Anti-Gliadin Antibodies; IgA /IgG	Serum	2 working days
Anti-Glomerular Basement Membrane Antibodies	Serum	3 working days
Anti-Intrinsic Factor Antibodies	Serum	2 working days
Anti-Islet Cell Antibodies	Serum	2 working days

Anti-Microsomal Antibodies	Serum	24 Hours
Anti-Mitochondrial (M2) Abs (AMA)	Serum	2 working days
Anti-Neutrophil Cytoplasmic Antibodies(ANCA)	Serum	2 working days
Anti-Nuclear Antibodies (ANA)	Serum	2 working days
Anti-Parietal Cell Antibodies	Serum	2 working days
Anti-Phospholipids Antibodies ; IgG/IgM	Serum	2 working days
Anti-Skeletal Muscle Antibodies	Serum	3 working days
Anti-Smooth Muscle Antibodies (ASMA)	Serum	2 working days
Anti-Sperm Antibodies	Serum	2 working days
Anti-Streptolysin O-Titer (ASOT)	Serum	Daily
Anti-Thrombin 111 Antibodies	Sodium Citrate	Daily
Anti-Thyroglobulin Antibodies	Serum	Daily
Anti-Thyroperoxidase Antibodies (TPO)	Serum	Daily
API 20 NE	Swab	24 Hours
Aquaporin -4 Antibodies	Serum	3 Working Days
Aspartate Aminotransferase (AST)	Serum	Daily
Aspirin (Bufferin) Resistant Test	Hirudin Tube	Daily
B-2 Glycoprotein 1-IgG/IgM	Serum	2 Working Days
Bence- Jones Protein/spot urine	Urine	Daily
Beta-2 Microglobulin	Serum	Daily
B- HCG	Serum	Daily
Bicarbonate	Serum /lithium Heparin	Daily / Separate & send to lab directly (capped Tube)
Bilirubin total & Direct	Serum	Daily
Blood film	EDTA whole blood	24 Hours
Blood For Culture & Sensitivity (ARD) or (Brucella /Salmonella /Bone Marrow)	Blood/ Bone Marrow	1 week
Blood Group And Rh Typing	EDTA whole blood	Daily
Body Fluid Cells & Differential	Body fluid	Daily
Brucella Antibodies Titration (Abortus& Melitensis)	Serum	24 Hours
Brucella Antibodies; IgG /IGM	Serum	2 Working Days
B-Type Natriuretic Peptide (BNP) EDTA ; Plasma	EDTA Whole blood	Daily (Separate Immediately)
Buffy Coat For Inclusion Body	EDTA Whole blood	24 Hours
C -Reactive Protein (CRP)	Serum	Daily
C1 Esterase Inhibitor	Serum	3 Working Days
C2 -Cyclosporine Level	EDTA Whole blood (don` t separate)	2 Hours After Dose , Daily (don` t separate)
Cyclosporine Level	EDTA Whole Blood	12 Hours After Dose, Daily (don` t separate)
CA 15-3	Serum	Daily
CA 19-9	Serum	Daily
CA-125	Serum	Daily
Calcium ; Ionized	Serum	Daily
Calcium	Serum	Daily
Calprotectin Fecal Test	Stool	24 Hours
Carbamazepine (Tegratol)	Serum	Serum Before Dose

Carcinoembryonic Antigen (CEA)	Serum	Daily
Cardiac Enzymes (CPK , Ck-MB, Troponin T).	Serum	Daily
Catecholamine's	24 Hour urine	Sunday */Avoid caffeinated foods, coffee tea,chocolate,bananas,citrus fruits, vanilla
Fractionation (Elisa) 24 hour Urine/ Plasma	Collection/ Plasma	Sunday */Avoid caffeinated foods, coffee tea,chocolate,bananas,citrus fruits, vanilla
Cerebrospinal Fluid Bacterial Antigen Test (Latex)	CSF	Daily
Cerebrospinal Fluid For Oligoclonal Band	CSF/Serum	2 Working Days
Ceruloplasmin	Serum	24 Hours
Chlamydia Pneumonia IgA /IgG /IGM	Serum	2 Working Days
Chlamydia Trachomatis IgG/ IgM	Serum	2 Working Days
Chromogranin	Serum	Monday
Clostridium Difficile	Stool	Daily
Cold Agglutinins	Serum	24 hours
Complement Hemolytic Activity (CH50)	Serum	1 week
Complement-3/ Complement-4 (C3 &C4)	Serum	daily
Complete Blood Count "CBC"	EDTA Whole Blood	Daily
Coombs Test ;Direct	EDTA Whole Blood	Daily
Coombs Test ;Indirect	Serum	Daily
Copper ;Serum	Serum	Daily
Cortisol AM /Cortisol PM	Serum	Daily Am or Pm sample
Cortisol (Free) –Urine	24 hours Urine collection	Sunday and Wednesday
C-Peptide	Serum	Fasting /Daily
Creatine Kinase -MB	Serum	Daily
Creatinine ;Clearance (GFR)	24 hour urine collection	Daily
Creatine Kinase(CK)	Serum	Daily
Cryoglobulins	Serum	7 working days
Crystals /Synovial Fluid	Synovial fluid	Daily
CSF Count (WBCs; RBCs &Differential)	CSF	Daily
Culture & sensitivity (Any)	Any cultivated specimen	3-4 Working Days
Cystic Fibrosis (PCR)	EDTA Whole Blood	4 Working Days
Cytomegalovirus (CMV) Antibodies IgG / IgM	Serum	Daily
D- Dimer	Citrated Plasma	Daily
DHEA-S	Serum	Daily
Differential White Cells Count	EDTA Whole Blood	Daily
Digoxin Level	Serum	Serum before Dose
Drug Abuse Panel Screen(14 test)	Urine	Daily
E TEST (Any E test)	From cultivated Media	Call Lab
Echinococcus IgG	Serum	2 Working Days
E.Coli Strain	Swab	2 Working Days
Electrolyte (Na,K,Cl)	Serum	Daily
Entamoeba Histolytica Ag	Stool	2 Working Days
Eosinophils In Urine	Urine	Daily

Epstein Barr Virus Antibodies (EBV VCA) IgG / IgM	Serum	Daily
Erythrocytes Sedimentation Rate (ESR)	EDTA Whole Blood	Daily
Estradiol (E2)	Serum	Daily
Extractable Nuclear Antigens (ENA)	Serum	2 Working Days
Factor 1X, VII, VIII	Blood (Citrated)	7 Working Days
Fat In Stool/ Sudan 111	Stool	Daily
Fecal immunochemical test (FIT)	Stool	Daily
Ferric Chloride / Spot Urine	Urine	Daily
Ferritin	Serum	Daily
Fibrinogen	Blood (citrated)	Daily
Fibrinogen Degradation Product (FDP)	Blood (citrated)	Daily
Folate (Folic Acid)	Serum	Daily
Follicle Stimulating Hormone (FSH)	Serum	Daily
Food Panel (35 Allergens)	Serum	2 Working Days
Fructose seminal fluid	Semen	Daily
Fungal Culture	Any Sample	2-3 Weeks
Fungal Identification	Any Fluid	2 Working Days
Fungal Smear	Scrap from lesion	Daily
Gamma Glutamyl transferase (GGT)	Serum	Daily
Glucose	Serum	Daily(Fasting,PPBS,Random)
Galactose /Screening	Blood on Sp.Filter	The examination will be conducted on Monday and the result will be ready on Wednesday afternoon
Ganglioside Ab (7 antigens) IgM /IgG immunoblot	Serum	2 Working Days
Giardia Lamblia Ag	Stool	2 Working Days
Glomerular filtration rate (estimated)	Serum	Daily
Glucose 6-Phosphate Dehydrogenase Neonatal Screen	Blood on Sp. Filter	Monday and Wednesday afternoon*
Glucose 6-Phosphate (Dehydrogenase (Quantitative)	EDTA Whole Blood	24 Hour`s
Glycosylated Hemoglobin (HBA1C)	EDTA Whole Blood	Daily
Group B Streptococcus. (GBS)	Swab	Vaginal Swab/ Daily
Growth - Hormone	Serum	Daily
Haptoglobin	Serum	3 Working Days
Helicobacter pylori Antibodies	Serum	Daily
Helicobacter pylori Antibodies; IgA / IgG	Serum	2 Working Days
Hemoglobin	EDTA Whole Blood	Daily
Hemoglobin Electrophoresis	EDTA Whole Blood	Daily
Hemoglobin H Inclusions	EDTA Whole Blood	24 Hours
Hemosiderin	Urine	24 Hours
Heparin Induced Thrombocytopenia (HIT) (PF4)	Serum	24 Hours
Hepatitis C Virus Antibodies (HCV)	Serum	Daily
Hepatitis A Virus Antibodies IgM	Serum	Daily
Hepatitis B core Antibodies; Total (HBcAB)	Serum	Daily
Hepatitis B core Antibodies; IgM (HBcIgM)	Serum	Daily

Hepatitis B Envelop Antibodies (HBeAb)	Serum	Daily
Hepatitis B Envelop Antigen (HBeAg)	Serum	Daily
Hepatitis B Surface Antibodies (HbsAb)	Serum	Daily
Hepatitis B Surface Antigen (HBsAg)	Serum	Daily
Herpes Simplex Virus Antibodies Type 1 & 2 ;IgG/IgM	Serum	2 Working Days
Herpes Simplex Virus Antibodies Type 1 ;IgG / IgM	Serum	2 Working Days
Herpes Simplex Virus Antibodies Type 2 ;IgG / IgM	Serum	2 Working Days
High Sensitive C Reactive Protein(CRP Hs)	Serum	Daily
Homa Score	Serum	Fasting /Daily
Homocysteine	EDTA,PLASMA	Fasting /Daily
H.PYLORI Ag (in stool)	Stool	Daily
Human Immunodeficiency Virus (I&II) Combo Ab & Ag	Serum	Daily
Identification & Sensitivity using <u>Vitek</u> system (MIC)	Any cultivated specimen	24 Hours
Immunofixation (24 hours. Urine Collection)/ Serum	24 hour Urine Collection/ Serum	2 Working Days
Immunoglobulin A/G/M	Serum	24 Hours
Immunoglobulin D	Serum	3 Working Days
Immunoglobulin E	Serum	Daily
Indian Ink Smear	Serum	24 Hours
Inhalation Panel (24 Allergens)	Serum	3 Working Days
Insulin	Serum	Daily/ Fasting
Insulin -Like Growth Factor-1 (IGF-1)	Serum	2 Working Days
Iron Saturation	Serum	Daily
Iron ;Serum	Serum	Daily
Lactate /CSF/Plasma/	CSF/Plasma (Na -fluoride , k-Oxalate) /Urine	Daily
Lactate Dehydrogenase (LDH)	Serum	Daily
Legionella Urinary Ag	Urine	3 Working Days
Leishmania Smear	EDTA Whole Blood	24 Hours
Lipase	Serum	Daily
Lipid Profile(Cholesterol , Triglycerides , HDL-Cholesterol . LDL-Cholesterol)	Serum	Fasting (12-14 hours) Daily
Listeria IgG /IgM	Serum	2 Working Days
Lithium ;Serum	Serum	Daily
Liver-Kidney Microsomal Antibody(LKM-1)	Serum	3 Working Days
Lupus Anticoagulant	Blood /Citrated	Daily
Lupus Erythematosus Cell Test (LE-cells)	Defibrinated blood	Call lab
Luteinizing Hormone (LH)	Serum	Daily
Malaria Smear	EDTA Whole Blood	24 Hours
Measles Virus IgG / IgM	Serum	2 Working Days
Metanephrines in Plasma	EDTA Whole Blood	*The test takes place on Monday and the result is on Wednesday afternoon.

Metanephrines 24 hours urine	24 hours Urine Collection	The examination takes place every Sunday and Wednesday and the result is Monday and Thursday
Microalbumin ;24 hours Collection/ Spot urine	24 hour Urine Collection/Urine	Daily
Monospot Test (Infectious Mononucleosis)	Serum	Daily
Mumps Virus Antibodies; IgG/ IgM	Serum	2 Working Days
Mycobacterium Tuberculosis IgG / IgM	Serum	2 Working Days
Mycoplasma Pneumonia Antibodies.IgG / IgM	Serum	2 Working Days
Neonatal Screen(Panel 1) (PKU,TSH, G6PD)	Blood on Sp.Filter	1 Week
Neonatal Screen (Panel 2) (Neonatal panel 1	Blood on Sp.Filter	
Cystic Fibrosis (IRT) + 17 OH Progesterone + Galactose)		1 Week
Nitroblue Tetrazolium Test	EDTA Whole Blood	Call Lab
		Every Sunday and Wednesday, and the result is Monday and Thursday
Noradrenaline /Urine	24 hour Urine Collection	
Osmolality ; Serum ,Urine	Serum/ Urine	Daily
Osmotic Fragility Test	Heparin/ EDTA	Call Lab
Oxalate Urine Quantitative (Spot Urine) 24 Hours	24 hour Urine Collection /Urine	3 Working Days
Parathyroid Hormone (PTH)	EDTA Whole Blood	Daily Separate and send immediately to lab
Partial Thromboplastin Time (PTT)	Citrated blood	Daily
Peripheral Neuropathy Panel	Serum	4 Working Days
Phenobarbital (luminal)	Serum	Daily
Phenytoin Level (Epanutin Level)	Serum	Daily
Phosphorus	Serum	Daily
Plasma Renin	EDTA Whole Blood	2 Working Days
Plasma Renin Activity	EDTA Whole Blood	2 Working Days
Platelets Aggregation Resistant Panel	Hirudin Tube	Daily
Platelets Count	EDTA Whole Blood	Daily
Platelets Function Test	2 Hirudin Tube + 1 EDTA Whole Blood	24 Hours
Pleural Fluid Cells & Differential	Body Fluid	Daily
ProBNP	Serum	Daily
Procalcitonin	Serum	Daily
Progesterone	Serum	Daily
Prograf (Tacrolimus) Level	EDTA Whole Blood	Daily/ before Dose
Prolactin (PRL)	Serum	Daily
Prostatic Specific Antigen (PSA); Free/ Total	Serum	Daily
Protein	Serum	Daily
Protein C/S free/ S Total	Blood (Citrated)	2 Working Days
Protein Electrophoresis (24 hour urine collection)/ Spot urine	24 Hour urine Collection/ Urine	2 Working Days

Protein Electrophoresis (SPE)	Serum	2 Working Days
Prothrombin Time	Citrated (Blood)	Daily
Quantiferon -TB Gold	4 Quantiferon tubes	3 Working Days
Rast Test Pediatric (IgE mediated)	Serum	2 Working Days
Rast Test Food (IgE mediated)	Serum	2 Working Days
Rast Test Inhalation(IgE mediated)	Serum	2 Working Days
Reducing Substances ;Urine	Urine	Daily
Reticulocytes	EDTA Whole Blood	Daily
Rheumatoid Factor (RF)	Serum	Daily
Risto High/ Risto Low	Hirudin Tube	Daily
Rota-Adeno Virus	Stool	Daily
Rubella Antibodies IgG/ IgM	Serum	2 Working Days
Saccharomyces Cerevisiae; IgA/ IgG (ASCA)	Serum	3 Working Days
Seminal Fluid Analysis (Automated) (According to WHO standards)	Semen	Daily
Sex Hormone Binding Globulin (SHBG)	Serum	Monday 16:00 pm
Sodium Spot Urine	Urine	Daily
Stone Analysis	Stone	3 Working Days
Stool Analysis	Stool	Daily
Stool Occult Blood	Stool	Daily
Stool Reducing Substances With PH (Fecal) for immunochemical test	Stool	Daily
Streptococcus Pneumonia (Latex Test)	Any Fluid	Daily
Sweat Chloride Test	-	Call Lab Patient should come to the lab (9Am-3Pm)
Syphilis AB`s	Serum	Daily
Testosterone; Free	Serum	24 Hours
Testosterone Total	Serum	Daily
Thrombophilia Panel	Serum/EDTA/Citrate	2 Working Days
Thyroglobulin	Serum	Daily
Thyroid Stimulating Hormone(3rd Generation)	Serum	Daily
Thyroxine (T4); Free	Serum	Daily
Tissue Transglutaminase Antibodies IgA/ IgG	Serum	2 Working Days
TORCH IgG	Serum	2 Working Days
TORCH IgM	Serum	2 Working Days
Total Iron Binding Capacity (TIBC)	Serum	Daily
Toxoplasma Antibodies IgG/ IgM	Serum	Daily
Transferrin	Serum	Daily
TRAP Test	Hirudin Tube	Daily
Triiodothyronine (T3); Free	Serum	Daily
Troponin I (High Sensitive)	Serum	Daily
Troponin T(High Sensitive)	Plasma of EDTA/ Heparin or Serum	Daily
TSH Receptor Antibody	Serum	3 Working Days
Urea	Serum	Daily
Uric Acid	Serum	Daily
Urine Analysis	Urine	Daily
Urine Immunofixation(Spot urine)	Urine	2 Working Days
Vaginal Wet Preparation (Affirm Test)	Dry Swab	24 Hours
Valproic Acid (Depakin) Level	Serum	Daily

Vancomycin; Serum Level	Serum	State Trough or peak level / Daily
Vanillylmandelic Acid ;24 hour. Urine Collection (VMA)	24 Hours Urine Collection	*Sunday and Wednesday /Avoid caffeine before the day of collection *and avoid citrus fruits, pineapple, grapes, tomato 3 days prior the test
Varicella -Zoster Antibodies; IgG / IgM	Serum	2 Working Days
Vitamin-B12	Serum	Daily
Vitamin-D	Serum	Daily
White Blood Cells Count	EDTA Whole Blood	Daily
Widal Test	Serum	24 Hours
Zinc	Serum	Daily
Molecular biology and Genetics		
HBV quantitative Real Time PCR	Serum, EDTA plasma (1 ml)	3 working days
HCV quantitative Real Time PCR	Serum, EDTA plasma (1 ml)	3 working days
HCV Genotyping Real time PCR	Serum, EDTA plasma (1 ml)	3 working days
HPV Genotyping Real Time PCR	High Vaginal Swab, Tissue, Urine, Semen	3 working days
HSV 1 and 2 Real Time PCR	Serum, HVS, CSF, Body fluid	3 working days
Chlamydia spp Real Time PCR	Urine, Swab, Semen, Body fluid	3 working days
Neisseria Gonorrhea Real Time PCR	Urine, Swab, Semen, Body fluid	3 working days
Sexual Transmitted diseases include(:STD) Neisseria Gonorrhea, Chlamydia trach. Mycoplasma genitalium, HSV(1&2), HPV, Tricho.vaginalis, Treponema palladium , Ureaplasma Real Time PCR	Urine, Swab, Semen, Body fluid	3 working days
HIV Quantitative real time PCR	Serum, EDTA plasma (1 ml)	3 working days
Trichomonas vaginalis Real time PCR	Urine, Swab, Semen, Body fluid	3 working days
Mycobacterium tuberculosis Real Time PCR	body Fluid	3 working days
CMV quantitative real time PCR	EDTA Blood	3 working days
Parvovirus B19 Real time PCR	EDTA Blood	3 working days
EBV Real time PCR	EDTA Blood	3 working days
JC BK Virus real time PCR	Urine, CSF	3 working days
Influenza A and B classification (H1N1)	Nasal swab, Respiratory sample	3 working days
Viral and Bacterial Panel Include : Flu A,B & C/ Para influenza 1,2,3 &4/ Coronavirus NL63,229E/ OC43 & HKU1/ HMPV a & b/ Rhinovirus/ RSV A&B/ adenovirus/ Enterovirus / Parechovirus /Boca virus/ CMV/ P.jirovecir/ M.pneumonia /Ch.pneumonia/ S.pneumonia/ H.influenza / S.aureus / Moraxella catarrhalis/ Bordetella spp /K.pneumonia./ Legionella spp / Salmonella spp/ Bordetella spp.		
HLA ABCDR, SSO Luminex	EDTA blood	3 working days
HLA ABDR SSO Luminex	EDTA blood	3 working days

HLA DR, SSO Luminex	EDTA blood	3 working days
HLA B5	EDTA blood	3 working days
HLA B27	EDTA blood	3 working days
HLADQ/PCR	Whole blood EDTA	3 working days
Panel Reactive Antibodies	Serum (patient)	3 working days
Cytotoxic Cross Match, Flow cytometry	Donor (lithium heparin tubes) Recipient serum	3 working days
JAK 2 activation mutation	EDTA blood	3 working days
BCR ABL (Philadelphia) chromosome by PCR	EDTA Blood/Bone Marrow	3 working days
NK cells	EDTA blood	3 working days
CD3 ,CD4,CD8 ,CD 20,CD19,CD23,CD5,CD34,	EDTA blood	3 working days
Phagoburst test (Dhour)	Lithium Heparin	3 working days
Factor V Leiden	EDTA blood	3 working days
Factor V Cambridge	EDTA blood	3 working days
Factor V Hong Kong	EDTA blood	3 working days
Factor V R2	EDTA blood	3 working days
Prothrombin mutationG20210 A (factor II)	EDTA blood	3 working days
MTHFR C677T	EDTA blood	3 working days
MTHFR A1298C	EDTA blood	3 working days
Factor XIII V34L	EDTA blood	3 working days
PAI -5G/4G	EDTA blood	3 working days
CVD	EDTA blood	3 working days
Beta globin(thalassemia) 22 mutation MED.	EDTA blood	3 working days
Alpha globin (thalassemia) MED mutations	EDTA blood	1 week
Cystic Fibrosis Gene 72 mutations	EDTA blood	1 week
Hemochromatosis	EDTA blood	3 working days
FMF (Familial Mediterranean Fever)	EDTA blood	3 working days
Y chromosome microdeletions	EDTA blood	3 working days