

## Master List of Laboratory Tests and Collection Methods

<u>TEST</u>	<u>FORM</u>	<u>SPECIMEN</u>	<u>REMARKS</u>
AB0 Group/rH	556	7ml red	See IH Section for more information.
Acetaminophen (Tylenol)	557	7ml red	Sent to reference lab.
Acetone,serum	546	7ml red	Qualitative
ALT (Alanine Aminotransferase)	546	7ml red	SGPT
Albumin,Serum	546	7ml red	
Alcohol (Ethanol)	557	7ml red	Serum is satisfactory when medical alcohol is required. Legal specimens should follow instructions in SOP for Legal Blood Alcohol.
Aldolase	557	7ml red	Serum is separated immediately and frozen Sent to Reference lab.
Alkaline Phosphatase	546	7ml red	
Alpha-1-Antitrypsin	557	7ml red	Sent to reference lab. Lipemia will be rejected.
Alpha-fetoprotein (MSAFP)	557	7ml red	Special request form completed by the physician for maternal AFP.
AFP, Tumor (Alpha Fetoprotein)	557	7ml red	Sent to reference lab.
Aminophylline			See Theophylline.
Amylase,serum	546	7ml red	
Anaerobic Culture	553	Anaerobic Culturette	Obtain anaerobic culturette from central supply. Follow instructions on package. For fluids, submit a filled syringe, capped with no needle.
ANA			See Nuclear Antibodies
Angiotensin I Converting Enzyme	557	7ml red	Sent to reference lab

Anti-microsomal Antibody	557	7ml red	Sent to reference lab.
Anti-Thyroglobulin Antibody	557	7ml red	Sent to reference lab.
Arsenic,urine	557	Random or 24hr container	Sent to reference lab
ASO (Antistreptolysin-O)	551	7ml red	See Serology section for more information.
AST (Aspartate Aminotransferase)	546	7ml red	Previously called SGOT
Aspirin			See Salicylates
Autoantibody Profile	557	7ml red	Includes anti-mitochondrial Ab, anti-smooth muscle Ab, Anti-parietal Ab. Sent to reference lab.
B12/Folate	557	7ml red	Hemolysis will be rejected. Samples for B12 must be protected from light at all times. Sent to reference lab.
Bilirubin,serum	546	7ml red	Protect from light.
Bleeding time	557		Schedule with Hematology.
Blood Cultures	553	Blood culture bottles	See Microbiology section for instructions.
Blood Gas	547	Heparinized syringe	Place on ice immediately. Call Lab 1 hour prior to drawing syringe (so we can arrange transportation). Sent to SVCH.
Body Fluid Examination (Peritoneal, pleural, synovial)	557	5ml lavender	Collect body fluid in lavender top tube. Call Laboratory in advance to schedule. See body fluids section.
Bordetella pertussis	553	Special media	Requires 24 hour advance notice to Micro section in lab. We must request special media from UMC. Culture is sent to UMC.
Brucella Antibodies	557	7ml red	Sent to reference lab.
BUN			See Urea Nitrogen, Serum.

Cancer Antigen 125	557	7ml red	Sent to reference lab.
Cancer Antigen 15-3	557	7ml red	Sent to reference lab.
Cancer Antigen 27.29	557	7ml red	Sent to reference lab.
Carbamazepine (Tegretol)	557	7ml red	Avoid hemolysis.
Carbon Dioxide, Total (CO2 Content)	546	7ml red	
Carboxyhemoglobin	557	7ml lavender	Result includes a hemoglobin level. Sent to reference lab
Cardiolipin Ab	557	7ml red	Sent to reference lab. Includes IgG and IgM.
Carotene	557	15ml red	Protect from light by wrapping container in foil. Sent to reference lab.
CBC & Diff	557	3-5ml lavender	Mix well
CEA (Carcinoembryonic Antigen)	557	7ml red	Sent to Reference Lab.
Cerebrospinal Fluid (CSF) Examination	557	3 sterile tubes	Collect fluid in 3 sterile tubes. Call Laboratory in advance to schedule. Provide 3 separate tubes and slips. Label the tubes in the order drawn (#1, #2, #3). See body fluids section.
Ceruloplasmin	557	7ml red	Sent to reference lab. Lipemia will be rejected.
Chlamydia genprobe	557	PACE Collection kit	Carefully follow instructions on collection kit. Sent to reference lab. Includes a GC genprobe.
Chloride, Serum	546	7ml red	
Chloride, Urine	546	Random or 24 hour urine	No preservative. Indicate on request slip timed period of collection.
Cholesterol, HDL	546	7ml red	
Cholesterol, Total	546	7ml red	
Cholinesterase, RBC	557	7ml lavender	Sent to reference lab.
Chorionic Gonadotropin			See HCG

Coccidioides Ab	557	7ml red	Specimens positive by immunodiffusion receive Follow-up testing by CF. Sent to reference lab.
Complement C3/C4	557	7 ml red	Sent to reference lab.
Complement C3/C4/C50	557	7 ml red	Sent to reference lab.
Complement CH50	557	7 ml red	Sent to reference lab.
Coproporphyrin			See Porphyrins testing.
Cortisol	557	7 ml red	Note time of collection. Sent to reference lab.
Creatine Kinase (CK or CPK)	546	7 ml red	
Creatine Kinase MB (CKMB)	546	7 ml red	Only done if CK is >270 IU/L
Creatinine, Serum	546	7 ml red	
Creatinine, Urine	546	24-hr urine	No preservative. Indicate on the urine request slip the timed period of urine collection.
Creatinine Clearance	547	24-hr urine and 7ml red	Clearance will be calculated by the laboratory only when blood & timed urine specimens are submitted together.
CRP (C-reactive protein)	551	7ml red	See Serology section for more information.
Cryoglobulin	557	7ml red	SST tubes will be rejected. Fasting specimen required. Sent to reference lab.
CSF Analysis	557	3 sterile tubes	Collect CSF in 3 sterile tubes. Call Laboratory in advance to schedule. Provide 3 separate tubes and slips. Label the tubes in the order drawn (#1, #2, #3). See body fluids section.
Cyclosporine	557	7ml lavender	Sent to reference lab.
DAT	556	3-5 ml lavender	See IH section for more information.
DHEA-S (Dehydroepiandrosterone Sulfate)	557	7ml red	Sent to reference lab.
Digoxin	557	7ml red	Obtain specimen 6 hrs after last dosage.

Drugs of Abuse Confirmation Test	557	10ml random urine	This test should be used only to confirm one of the seven drugs listed in the Drugs of abuse screen (see above). Sent to reference lab.
EBV Ab Profile (Epstein Barr Virus)	557	7ml red	Includes Epstein Barr Nuclear Antigen (EBNA) Ab IgG, Viral Capsid Ab (VCA), and VCA IgM. Sent to reference lab.
ENA Ab Profile	557	7ml red	Includes anti-Jo-1, anti-PCNA, anti-RNP, anti-SCL-70, anti-Sm, anti-SSA, and anti-SSB. Sent to reference lab.
Eosinophil Count	557	Nasal/Eye	(Nasal/Eye Smear) swab rolled onto labeled slide
Erythrocyte Sedimentation Rate (ESR)	557	5ml Lavender	Modified Westergren Method.
Estradiol	557	7ml red	Include collection date on request slips and labels. Sent to reference lab.
Estriol	557	7ml red	Special studies should be done on AM specimens. Sent to reference lab.
Estrone	557	7ml red	Sent to reference lab.
Ethanol			See Alcohol.
Eye/Ear Culture	553	sterile culture swab	Be sure to break the yellow end of the swab to moisten.
Fecal Fats	553	Fresh stool in cup	Must be delivered to lab within 2 hours of collection.
Fecal Leukocytes	553	Fresh stool in cup.	Must be delivered to lab within 2 hours of collection.
Fecal Occult Blood	553	3-6 occult blood cards.	Samples must be collected over a 3-6 day period. Use a Separate card for each day. Write date and patient info On each card.
Ferritin	557	7ml red	Fasting specimen is required. Sent to reference lab
Fibrinogen	557	5ml or 3 ml blue	Tube must be filled completely and mixed thoroughly.
FK506	557	7ml lavender	Sent to reference lab.
Folate/B12			See B12/Folate

Fungal Cultures	557		Sent to reference lab.
G6PD Dehydrogenase			See Glucose-6-Phosphate.
Gamma-Glutamyl (GGT)	557	7ml red	
GC genprobe	557	PACE collection kit	Carefully follow instructions on collection kit. Sent to reference lab. Includes a Chlamydia genprobe.
Glucose, CSF	546		CSF Submit in CSF screw cap tubes.
Glucose, Fasting	546	10ml red	
Glucose, Post Prandial	546	10ml red	2 HR
Glucose, Urine	546	24-hr	No preservative. Indicate on the urine request slip the timed period of urine collection.
Glucose Tolerance Test	547		See specific instructions for testing procedure and requirement. Call lab for appointment.
Glucose-6-Phosphate Dehydrogenase	546	7ml lavender	Sent to Reference Lab
Glycosylated Hemoglobin			See Hemoglobin A1C.
Gram Stain	553	Slide smear	Submit smear on glass slide with NO coverslip. Label with patient last name and last four of SSN on frosted end of slide.
Haptoglobin	557	7ml red	Sent to Reference Lab. Lipemia will be rejected.
HCG, Qualitative	557	7ml red (blood) or random urine	Pregnancy Test.
HCG Quant	557	7ml red	Sent to SVCH.
Heavy Metals Screen, Urine	557	Random or 24 hr urine collection	Screen includes Arsenic, Lead, and Mercury. Collect in a metals free plastic container. Sent to reference lab.
H. pylori Ab (serum) (Helicobacter pylori)	557	7ml red	Sent to reference lab.
H. pylori screen (Helicobacter pylori)	557	Tissue in saline	Submit biopsy sample in normal saline. Urease test

Hemoglobin Electrophoresis	557	7ml lavender	Please provide clinical information (race, transfusion history for past four months, and family study)
Hepatitis A/B/C Virus Profile	557	15ml red	Includes HBsAg, HBsAb, HBcAb Total, HAV Ab-IgM, and HCV Ab. Specimens positive for HBcAb total receive follow-up testing for HBcAb IgM and specimens positive for HBsAg receive follow-up testing for HBeAg and HBeAb. Sent to reference lab. Specimens from OB patients receive HbsAg test only.
Hepatitis B Virus Profile	557	15ml red	Includes HBsAg, HBsAb, HBcAb total. Specimens positive for HBcAb total receive follow-up testing for HBcAb IgM and specimens positive for HBsAg receive follow-up testing for HBeAg and HBeAb. Sent to reference lab. Specimens from OB patients receive HbsAg test only.
Hepatitis B Surface Antibody (HBsAb)	557	7ml red	Sent to reference lab
Hepatitis B Surface Antigen (HBsAg)	557	7ml red	Sent to reference lab. Positive specimens receive follow-up testing for HBeAg, HBeAb, and HBcAb total.
Hepatitis C Virus Ab	557	7ml red	Specimens positive by EIA receive follow-up testing by recombinant immunoblot assay (RIBA).Sent to reference lab.
Herpes Culture	557	Viral swab	Swab base of fresh vesicle. Must provide source. Sent to reference lab.
Histoplasma Antibodies	557	7ml red	Sent to reference lab.
Hydroxyindole Acetic Acid, 5-	557	Random Urine	On request slip the timed period of collection. Sent to reference lab.
Immunoglobulin E	557	7ml red	Sent to reference lab.
Immunoglobulin Profile	557	7ml red	Includes IgG, IgA, and IgM levels.
Infectious Mononucleosis (Monospot)	551	7ml red	See Serology section for more information.
Insulin	557	7ml red	Fasting specimen required. Sent to reference lab.
Iron/TIBC	557	15ml red	Draw blood between 0700 & 0930 hrs.

LDH Isoenzymes	557	7ml red	Avoid freezing as some LDH activity is lost after freezing. Isoenzymes done only if LDH total elevated Sent to reference lab.
Lead,blood	557	7ml lavender	Sent to reference lab
LH (Luteinizing Hormone)	557	7ml red	Includes LH and FSH. Sent to reference lab.
Lipase	557	7ml red	Sent to reference lab.
Lithium	557	7ml red	Sent to Reference Lab.
Lyme Ab	557	7ml red	Specimens positive by EIA receive follow-up testing by Lyme Western Blot IgG and IgM. Sent to reference lab.
Magnesium	546	7ml red	
Malaria Smear	557	3-5ml lavender	
MCH, MCHC, & MCV	557	5ml-3ml lavender	See CBC
Mephobarbital			See Phenobarbital. Mephobarbital metabolizes to Phenobarbital.
Metanephrines, Total (Metanephrines and Normetanephrines)	557	24-hr urine	Indicate on request slip then timed period of urine collected. Sent to reference lab.
Microalbumin	557	24-hr urine	Specify total volume on requisition and container. Sent to reference lab.
Monospot	551	7ml red	See Serology section for more information.
Mumps Ab	557	7ml red	Sent to reference lab.
Mumps/Varicella Ab Profile	557	7ml red	Sent to reference lab.
Mysoline			See Primidone.
Nasal Culture	553	Sterile culture swab	See microbiology section for more information.
Neonatal Bilirubin	546	Amber bullet	Performed on infants 15 days old or less. Order neonatal for follow-up if monitoring original

Occult Blood			See fecal occult blood
Osmolality, Serum; Urine	557	7ml red; Random urine	Sent to reference lab.
O & P (Ova & Parasites)	557	O&P Parapak	Sent to reference lab.
Partial Thromboplastin Time (Activated), PTT	557	5ml blue or 3ml blue	Fill tube completely to obtain critical 9:1 ratio
Phenobarbital	557	7ml red	Avoid hemolysis.
Phenytoin (Dilantin)	557	7ml red	Avoid hemolysis. The metabolite 5-P-OH phenyl-5- -phenylhydantoin (HPPH) is measured as Phenytoin.
Phosphorus, Inorganic	546	7ml red	Avoid hemolysis since RBC's contain organic phosphates susceptible to hydrolysis.
Platelet Count			See CBC
Porphyryns, Fractionated, Urine	557	24hr urine collection	Protect from urine exposure to light Indicate on request slip the time period of urine collection. Sent to Reference Lab.
Potassium,Serum	546	7ml red	Avoid hemolysis.
Potassium,Urine	546	Random or 24-hr urine	No preservative. Indicate on request slip the timed period of collection.
Pregnancy Test	557	Random urine or serum	See HCG.
Prenatal Ab Screen	556	7 ml red	See IH section for more information.
Primidone	557	7ml red	Avoid hemolysis. Primidone is metabolized to phenobarbital and 2-phenyl-2 ethylmalondiamide (PMEA) both of which have anticonvulsant activity
Procainamide w/NAPA	557	7ml red	Test sent to reference lab.
Progesterone	557	7ml red	Include collection date on specimen labels and containers. Sent to reference lab
Prolactin	557	7ml red	Sent to reference lab.
PSA (Prostate Specific	557	7ml red	Sent to reference lab.

Protein, Total Serum	546	7ml red	
Protein, Total; CSF	546	CSF	
Protein, Total; Urine	557	24-hr urine	No preservative. Indicate on the request slip the timed period of urine collection
Prothrombin Time (PT)	557	5ml\3ml blue	Fill tube completely to obtain 9:1 ratio.
PT/PTT			See prothrombin time & partial thromboplastin time.
PTH (Parathyroid Hormone)	557	15ml red	Sent to reference lab.
Quinidine	557	7ml red	Sent to reference lab.
RBC (Red Blood Cell Count)			See CBC.
Renal Stone Analysis	557	2mm rinsed and Dried specimen.	Sent to reference lab.
Renin Activity	557	Two-7ml lavender	Sent to reference lab.
RSV (Respiratory Syncytial Virus)	553	Nasal wash/aspirate	Deliver immediately to lab. See microbiology section for complete submission instructions.
Reticulocyte Count	557	5ml/3ml lavender	
Rheumatoid Factor (RA)	551	7ml red	See Serology section for more information.
RPR (Rapid Plasma Reagin)	551	7ml red	See Serology section for more information.
Rubella Ab IgG	557	7ml red	Sent to reference lab. Seropositivity is consistent with immunity to Rubella virus.
Rubella Ab IgM	557	7ml red	Sent to reference lab.
Rubella/Rubeola Ab Profile	557	7ml red	Sent to reference lab.
Rubeola Ab IgG	557	7ml red	Sent to reference lab. Seropositivity is consistent with immunity to Rubeola virus.
Rubeola Ab IgM	557	7ml red	Sent to reference lab.

Sickle Cell Screen	557	5ml lavender	
Sodium, Serum	546	7ml red	
Urine	546	Random or 24-hr urine	No preservative. Indicate on the request slip the timed period of urine collection.
Sperm Count	557		Must be prescheduled with lab and pick up instruction sheet. Performed on T/TH. Order this test for Post-vas.
Sputum Culture	553	1 <sup>st</sup> morning sputum	Submit first morning specimen in sterile cup. See microbiology section for complete instructions.
Stool Culture	553	C&S collection vial	Submit enteric transport media vial. See Microbiology section for complete submission instructions.
Streptozyme	551	7 ml red	
Tegretol			See Carbamazepine
Testosterone	557	7ml red	Sent to reference lab
TFT Panel			See Thyroid Function Test.
Theophylline	557	7ml red	Avoid hemolysis.
Throat Culture	553	Sterile culture swab	Submit sterile culture swab. See microbiology section for more information.
Thrombin Time	557	Full blue top	Sent to reference lab.
Thyroid Ab Profile	557	7ml red	Includes Thyroglobulin Ab and Thyroid Microsomal Ab. Sent to reference lab.
Thyroid Function Test (TFT)	557	7ml red	Includes Thyroxine(T4), T-uptake, and FTI.
Thyroid Screen	557	7ml red	A series of tests will be performed depending on the TSH measurement. If the TSH is normal, no additional tests are performed. If the TSH value is lower than 0.50 uIU/mL or greater than 4.7 uIU/mL, a Free T4 will automatically be performed. If the Free T4 is abnormal, no additional tests will be performed. If the TSH is depressed (<0.50 uIU/mL) and the Free T4 is normal, a Free T3 will be done for indication of subclinical hyperthyroidism.
Thyroid Stimulating	557	7ml red	Sent to reference lab.

Toxoplasma Ab Profile	557	7ml red	Includes IgG and IgM levels. IgG seropositivity is consistent with past infection, IgM seropositivity is consistent with current or recent infection. Specimens positive for IgM by EIA receive follow-up testing by IFA.
Triglycerides	546	7ml red	Patient must be fasting for at least 12 hrs.
Triiodothyronine			See T3
TSH			See Thyroid Stimulating Hormone
T3 Uptake (%)	557	7ml red .	
T3, Total (Triiodothyronine)	557	7ml red	Sent to Reference Lab.
T3, Free (Triiodothyronine,free)	557	7ml red	Sent to reference lab
T4 (Thyroxine) Total	557	7mlred	
T4 (Thyroxine) Free	557	7ml red	Sent to reference lab
Urea Nitrogen, Serum	546	7ml red	
Urine	557	24-hr urine	No preservative. Indicate on the request slip the timed period of urine collection.
Uric Acid,Serum	546	7ml red	
Uric Acid, Urine	557	24-hr urine	No preservative. Indicate on the request slip the timed period of urine collection
Urinalysis, routine	557	10-20 ml	Best results from morning void
Urine Culture	553	Clean-catch urine	Submit specimen in sterile urine cup. Must be mid-stream, clean catch. See microbiology section for more information.
Urobilinogen, Qual.	557	Random urine	No preservative. Protect from exposure to light Urine must be fresh and delivered to lab immediately.
UUN			See Urea Nitrogen, Urine.
Valproic Acid	557	7ml red	Sent to reference lab.

WBC(White Blood Cell)		5ml lavender	See CBC
Wet Prep/KOH	557	sterile swab	Place swab in red top tube with a small amount of saline and recap the tube.
Wound Culture	553	Sterile culture swab	Submit specimen on sterile culture swab or in syringe. See Microbiology Section for more information.
Zinc,Serum	557	7ml royal blue	Avoid hemolysis. Sent to reference lab.
Zinc,Urine		24-hr urine	Avoid metal caps. Sent to reference lab.
Zinc protoporphyryn	557	7ml lavender	Sent to reference lab.