

Specimen Collection Tube Guide

for specimens submitted to UCHHealth South Region Laboratories



GOLD OR RED W/ GEL – SERUM SEPARATOR (SST)

Test Name	Alt. Tube
Acute Hepatitis Panel (HepA, HepBc, HepBs Ab/Ag, Hep C)	Gold
Autoimmune Serology	None
Ana, Anti-Cardiolipin, Anti-CCP	Green
ANCA (MPO/PR3)	Gold
Anti-DNA, Anti-Mitochondrial, Anti-Smooth Muscle	Red No Gel
AFP Tumor	Red No Gel
Alpha-1-antitrypsin	Red No Gel
Hep B Core IgM Ab	Red No Gel
Infectious Serology	None
CMV, EBV, H. Pylori, HSV, Mumps, HIV 1+2, RPR, Rubella, Varicella, West Nile, HCV, HBV	Red No Gel
Phenobarbital	Green
Pregnancy Qualitative Serum	Gold
Thyroid Function Tests {TSH, Free T4, Free T3, Total T3, Total T4}	Red No Gel
Apolipoprotein	Gold
Ceruloplasmin	Red No Gel
DHEAS	Green/Lav
Digoxin	Red No Gel
F-Actin (Smooth Muscle) IgG	Red No Gel
Ferritin	Green
Growth Hormone	Green/Lav
Haptoglobin	Red No Gel
Insulin	Red No Gel
Kappa:Lambda Free Light Chains	Red No Gel
Lithium	Red No Gel
Mono screen	EDTA
Osmolality	Gold
PSA free	Gold
Quad Screen	Gold
Serum Protein Electrophoresis	Gold
Testosterone Free and Total	Gold
Thyroglobulin	Gold
Thyroid antibodies	Red No Gel
Vancocycin	Red No Gel
Vitamin D, 25-hydroxy	Red No Gel
West Nile	Gold



RED NO GEL

Test Name	Alt. Tube
Toxicology & Drug Levels:	
Amikacin, Glycols, Isopropanol, Keppra, Lamotrigine, Lidocaine, Mixed Alcohols, Pentobarbital, Phenytoin Free, Thiocyanate	None
Methotrexate ##	Gold/Green

= Protect specimens from light

** = Specimen sent on Ice, time sensitive!

This document serves as a guide only. Please visit our lab test catalog on the Source for more detailed collection requirements.

<https://www.testmenu.com/MemorialHospital>

Memorial Hospital Laboratory Services
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(719)365-5260



GREEN WITH GEL – LITHIUM HEPARIN (LiHep)

Test Name	Alt. Tube
Basic Metabolic Panel (BMP)	Red/Gold
Complete Metabolic Panel (CMP)	Red/Gold
Electrolyte Panel (Lytes)	Red/Gold
Hepatic Function Panel	Red/Gold
Iron Studies (Iron/Transferrin/%Sat)	Red/Gold
Lipid Panel (Chol, Trig, HDL, LDL)	Red/Gold
Renal Function Panel	Red/Gold
Acetaminophen	Red/Gold
Ammonia **	None
Amylase	Red/Gold
Anti-Streptolysin O	Red/Gold
Beta-HCG Tumor Marker	Red/Gold
Beta-Hydroxybutyrate (BHOB)	None
C-Peptide	Gold
C3 & C4	Red/Gold
CA19-9	Red/Gold
CA 125	Red/Gold
CA 15-3	Red/Gold
CEA	Red/Gold
Carbamazepine	Red/Gold
Carboxyhemoglobin	None
CRP/hsCRP	Red/Gold
CK Total	Red/Gold
CK MB	Red/Gold
Cortisol	Red/Gold
Estradiol	Red/Gold
Ethanol	Red/Gold
Folate ##	Red W Gel
FSH	Red/Gold
GGT	Red/Gold
Gentamicin	Red/Gold
IgA/IgG/IgM	Red/Gold
Ionized Calcium **	Na Hep
Lactic Acid **	Red/Gold
LDH	Red/Gold
LH	Red/Gold
Lipase	Red/Gold
Magnesium	Red W Gel
Myoglobin	Peds Red
Neonatal Bili ##	Red/Gold
Phenytoin	Red/Gold
Phosphorus	Red/Gold
Prealbumin	None
Procalcitonin	Red/Gold
Prolactin	Red/Gold
Progesterone	Red/Gold
ProNT-BNP	Red/Gold
PSA	None
PTH	Red/Gold
Rheumatoid Factor	Red/Gold
Rubella IgG	Red/Gold
Salicylate	Red/Gold
Testosterone	Red/Gold
Theophylline	Red/Gold
Tobramycin	Red/Gold
Troponin I	Red/Gold
Uric acid	Red/Gold
Valproic acid	Red W/ Gel
Vitamin B12	Na Hep
Vitamin B6 ##	None
Vitamin C ***	None



LAVENDER – EDTA (Lav EDTA)

Test Name	Alt. Tube
Complete Blood Count (CBC)	None
ACTH (Pre-chilled tube) **	Pink
ESR	None
Flow cytometry	None
Hemoglobin A1c	None
Hemoglobin Electrophoresis	None
Sickle Screen	None
RBC Folate ##	None
Reticulocyte count	None
Cyclosporin, Sirolimus, Tacrolimus	None
Cord Blood	None
Homocysteine **	None



Be sure to fill tubes to line!

LIGHT BLUE – SODIUM CITRATE (2.7ml or 1.8ml)

Test Name	Alt. Tube
Coagulation Testing:	None
Antithrombin III activity	None
APC resistance	None
D-dimer	None
FDP (special blue top tube)	None
Fibrinogen	None
Heparin level (LMWH & Unfractionated)	None
Lupus anticoagulant testing	None
Partial thromboplastin time (PTT)	None
Platelet Function assay	None
Protein C & S	None
Prothrombin time (PT)	None
Specific factor activity	None
Specific factor inhibitor	None
Thrombin Time	None
Von Willebrand factor	None
PF4 HIT Screen and Confirmatory	None



PINK - EDTA

Test Name	Alt. Tube
Fetal Screen, KB, DAT, Type and Screen, retype	None
HIV by PCR (quantitative, genotype, phenotype)	EDTA
CMV and HCV by PCR	None



GRAY 10mg/8mg OXALATE WITH FLUORIDE

Test Name	Alt. Tube
Glucose Tolerance testing	Gold/Green



EDTA ROYAL BLUE 10.8 mg K2 EDTA

Test Name	Alt. Tube
Lead and Heavy Metal Testing	None



YELLOW ACID-CITRATE-DEXTROSE

Test Name	Alt. Tube
HLA testing	None
Alpha-galactosidase	None
Arylsulfatase	None

Order of Draw

Blood Culture > Blue > Red/SST > Green > Purple > Gray > Royal Blue > Yellow ACD