



Green with gel
Lithium Heparin

Plasma Separator

4.5 mL

Basic Metabolic Panel
Complete Metabolic Panel
Electrolyte Panel
Hepatic Function Panel
Iron Studies
Lipid Panel
Renal Function Panel
Thyroid Function Tests

| | |
|-----------------|--------------------|
| Acetaminophen | LDH |
| Amylase | Lipase |
| Beta-HCG | LH |
| C3 & C4 | Osmolality |
| CA 19-9 | Phenobarbital |
| Carbamazepine | Prealbumin |
| Cortisol | Prolactin |
| CRP/hsCRP | PTH |
| CK Total | Rheumatoid factor |
| CK MB | Salicylate |
| Digoxin | Testosterone |
| Estradiol | Theophylline |
| Ethanol | Thyroglobulin |
| Folate | Thyroid antibodies |
| FSH | Tobramycin |
| GGT | Troponin I |
| Gentamicin | Uric acid |
| Growth Hormone | Valproic acid |
| Haptoglobin | Vancomycin |
| Immunoglobulins | Vitamin B12 |
| Insulin | |



Yellow
Acid-Citrate-Dextrose

8 mL

HLA testing
Alpha-galactosidase
Arylsulfatase A



Gold or Red with gel
Clot activator

Serum Separator

5 mL

Acute Hepatitis Panel
Autoimmune Serology
(ANA, anti-DNA, anti-cardiolipin, anti-CCP, anti-mitochondrial, anti-smooth muscle, and others)
Infectious Serology
(CMV, EBV, H. pylori, Hep A/B/C, HIV, HSV, Mumps, RPR, Rubella, Rubeola, Syphilis, Toxoplasma, Varicella, West Nile, and others)
Megaloblastic Anemia Panel
Alpha Feto Protein
Apolipoproteins
CA-125
CEA
Ceruloplasmin
Kappa:Lambda Free Light Chains
PSA total & free
Quad Screen
Serum Protein Electrophoresis
Vitamin D, 25-hydroxy



Red no gel
Clot activator

6 mL

Toxicology & Drug Levels
(5-FC, amikacin, glycols, lidocaine, lithium, mixed alcohols, methotrexate, pentobarbital, tricyclics, and others)
Heparin-associated antibodies
Phenytoin free and total
Progesterone
Testosterone free and total



Purple/Pink
EDTA

4 mL

6 mL

Complete Blood Count
Immunosuppressive Drugs
(Cyclosporin, Sirolimus, Tacrolimus)
ACTH
CD34 (peripheral blood only)
ESR
Hemoglobin A1c
Hemoglobin electrophoresis
Homocysteine
Pyruvate
Reticulocyte count

Pink Only:

Ammonia
BNP

Blood Bank

(Cord blood, DAT, Type & Screen, Type & Crossmatch)

HCV, HIV by PCR

(quantitative, genotype, phenotype)



Green no gel
Sodium Heparin

6 mL

Flow Cytometry
(CD3/CD4/CD8 count, leukemia & lymphoma immunophenotyping)
CD3OKT3
Cyclex T- cell assay
Galactokinase
Lymphocyte Function
Neutrophil function
Quantiferon



Blue
Citrate

2.7 mL

Coagulation Testing
Antithrombin III activity
APC resistance
Chromogenic Xa
D-dimer
Fibrin degradation products
Fibrinogen
Heparin level
Lupus anticoagulant testing
Partial thromboplastin time (PTT)
Platelet aggregation
Proteins C & S
Prothrombin time (PT)
Specific factor activity
Specific factor inhibitor
Thrombin Time
Von Willebrand factor



Gray
Oxalate with fluoride

6 mL

Glucose tolerance testing
Lactate (on ice)
Paraldehyde

This document serves as a guide only. Please visit our website for more detailed collection requirements. <http://www.uch.edu/for-healthcare-professional/Clinical-Laboratory/index.aspx>

University of Colorado Hospital
Clinical Laboratory
720-848-4401
July 2009