



**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**
- | | |
|----------------|---------------|
| Acetaminophen | Lipase |
| Amylase | Osmolality |
| Beta-HCG | Phenobarbital |
| CA 19-9 | Prealbumin |
| Carbamazapine | Prolactin |
| CRP/hsCRP | PTH |
| CK Total | Salicylate |
| CK MB | Theophylline |
| Digoxin | Tobramycin |
| Ethanol | Transferrin |
| Folate | Troponin I |
| Free T4 | TSH |
| GGT | Uric acid |
| Gentamicin | Valproic acid |
| Growth Hormone | Vancomycin |
| Insulin | Vitamin B12 |
| LDH | |



**Green no gel
Sodium Heparin**
6 mL

- Calcium, ionized, whole blood
- Lactate, whole blood, venous & arterial
- Galactokinase
- Flow Cytometry**
(CD3/CD4/CD8 count, leukemia & lymphoma immunophenotyping)
- CD3OKT3
- Cylex T- cell assay
- Lymphocyte Function, Neutrophil Function



**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**
- Thyroid Function Tests (except Free T4 and TSH)**
Alpha Feto Protein
Apolipoproteins
Beta-2-Microglobulin
C3 & C4
CA-125
CEA
Ceruloplasmin
Cortisol
Estradiol
FSH
Haptoglobin
HIV 1/2 Antigen/Antibody Screen
Immunoglobulins
Kappa:Lambda Free Light Chains
LH
Lithium
PSA total & free
Quad Screen
Rheumatoid Factor
Serum Protein Electrophoresis
Testosterone
Thyroglobulin
Thyroid antibodies
Vitamin D, 25-hydroxy




**Purple/Pink
EDTA**
4 mL 6 mL

- Complete Blood Count**
- Immunosuppressive Drugs**
(Cyclosporin, Sirolimus, Tacrolimus)
- ACTH
- Blood Parasites (deliver in <1 hour)
- CD34 (peripheral blood only)
- ESR
- Hemoglobin A1c
- Hemoglobin electrophoresis
- Homocysteine
- Reticulocyte count
- Pink Only:**
Ammonia
BNP
- Blood Bank** (Cord blood, DAT, Type & Screen, Type & Crossmatch)
- HBV, HCV, HIV by PCR** (quantitative, genotype, phenotype)



**Red no gel
Clot activator**
6 mL

- Toxicology & Drug Levels:**
(Amikacin, glycols, methotrexate, mixed alcohols, pentobarbital, etc.)
- Heparin-associated antibodies
- Phenytoin free and total
- Progesterone
- Testosterone free and total




**Gray
Oxalate with fluoride**
6 mL

- Glucose tolerance testing
- Paraldehyde



**Blue
Citrate**
2.7 mL

- Coagulation Testing**
Antithrombin III activity
APC resistance
Chromogenic Xa
D-dimer
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



**Yellow
Acid-Citrate-Dextrose**
8 mL

- HLA testing**
Alpha-galactosidase
Arylsulfatase A

This document serves as a guide only. Please visit our website for more detailed collection requirements.
<https://www.uhealth.org/professionals/Pages/Clinical-Laboratory.aspx>

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