



**Green with gel**  
**56 Units**  
**Lithium Heparin**  
**Plasma Separator**

**3 mL**

**Basic Metabolic Panel (BMP)**  
**Complete Metabolic Panel (CMP)**  
**Electrolyte Panel (Lytes)**  
**Hepatic Function Panel**  
**Iron Studies (Iron/Transferrin/%Sat)**  
**Lipid Panel (Chol, Trig, HDL, LDL)**  
**Renal Function Panel**

Acetaminophen	LDH
AFP Tumor	LH
Alpha-1-antitrypsin	Lipase
Ammonia (on ICE)	Magnesium
Amylase	Myoglobin
Anti-Streptolysin O	Osmolality
Beta-HCG	Phenobarbital
BHOB	Phenytoin
C3 & C4	Phosphorus
CA 19-9	Prealbumin
CA 125	Procalcitonin
CA 15-3	Prolactin
CEA	Progesterone
Carbamazapine	ProNT-BNP
CRP/hsCRP	PSA
CK Total	PTH
CK MB	Rheumatoid factor
Cortisol	Rubella
Estradiol	Salicylate
Ethanol	Testosterone
Folate	Theophylline
FSH	Tobramycin
GGT	Troponin I
Gentamicin	Uric acid
Growth Hormone	Valproic acid
IgA	Vitamin B12
IgG	
IgM	

**Order of Draw**

Blue > Red > Green > Purple > Gray



**Gold or Red with gel**  
**Clot activator**  
**Serum Separator**

**5 mL**

**Acute Hepatitis Panel**  
 (HepA, HepBc, HepBs Ab/Ag, Hep C)  
**Autoimmune Serology**  
 (ANA, anti-DNA, anti-cardiolipin, anti-CCP, anti-Gliadin, anti-mitochondrial, anti-smooth muscle, and others)  
**Hep B Core IgM Ab**  
**Infectious Serology**  
 (CMV, EBV, H. pylori, HIV 1+2, HSV, Mumps, RPR, Rubeola, FTA, Toxoplasma, Varicella, West Nile, and others)  
**Preg Qual Serum**  
**Thyroid Function Tests**  
 (TSH, FreeT4 (**Gold Only**), FreeT3, Total T4, Total T3)  
 ANCA (MPO/PR3)  
 Apolipoproteins  
 Ceruloplasmin  
 C-Peptide  
 DHEAS  
 Digoxin  
 Growth Hormone  
 Homocysteine  
 IgE  
 Ionized Calcium (Vacuette tube ONLY)  
 Insulin  
 Kappa:Lambda Free Light Chains  
 Lithium  
 Mono Screen  
 PSA free  
 Quad Screen  
 Serum Protein Electrophoresis/IFE  
 Thyroglobulin  
 Thyroid antibodies  
 Vancomycin  
 Vitamin D, 25-hydroxy



**Purple/Pink**  
**EDTA**  
**Purple (5.4mg)**  
**Pink (10.8mg)**

**3 mL**

**6 mL**

**Complete Blood Count (CBC)**  
 ACTH (Pre-chilled tube & on ICE)  
 ESR  
 Flow cytometry  
 Hemoglobin A1c  
 Hemoglobin Electrophoresis  
 Sickle Screen  
 Reticulocyte count  
**Pink Only:**  
**Blood Bank**  
 (Cord blood, DAT, Type & Screen)  
**HBV, HCV, HIV by PCR**  
 (quantitative, genotype, phenotype)  
**Immunosuppressive Drugs**  
 (Cyclosporin, Sirolimus, Tacrolimus)



**Red no gel**  
**Clot activator**

**6 mL**

**Toxicology & Drug Levels**  
 (Amikacin, glycols, lidocaine, methotrexate, mixed alcohols, pentobarbital, thiocyanate, tricyclics, etc.)  
 Haptoglobin  
 PF4 HIT Screen & Confirmatory  
 Phenytoin free  
 Testosterone free



**Yellow**  
**Acid-Citrate-Dextrose**

**8 mL**

**HLA testing**  
 Alpha-galactosidase  
 Arylsulfatase A



**Blue**  
**3.2% Sodium Citrate**

**2.7 mL (Adult)**  
**1.8 mL (Peds)**

**Coagulation Testing**  
 Antithrombin III activity  
 APC resistance  
 D-dimer  
 FDP (special blue top)  
 Fibrinogen  
 Heparin level (LMWH & Unfract)  
 Lupus anticoagulant testing  
 Partial thromboplastin time (PTT)  
 Platelet Function assay  
 Proteins C & S  
 Prothrombin time (PT)  
 Specific factor activity  
 Specific factor inhibitor  
 Thrombin Time  
 Von Willebrand factor



**Gray 10mg/8mg**  
**Oxalate with fluoride**

**4 mL**

**Glucose tolerance testing**



**Royal Blue 10.8mg**  
**K2 EDTA**

**7 mL**

**Lead & Heavy Metal testing**

This document serves as a guide only. Please visit our website for more detailed collection requirements.  
<http://memorialhospital.testcatalog.org/>  
 Memorial Hospital Laboratory Services  
 University of Colorado  
 (719)365-5260  
 February 2016