



**Green with gel
Lithium Heparin**

Plasma Separator

600 uL

Basic Metabolic Panel (BMP) (1)
Complete Metabolic Panel (CMP) (1)
Electrolyte Panel (Lytes) (1)
Hepatic Function Panel (1)
IronStudies (Iron/Transferrin/%Sat) (1)
Lipid Panel (Chol, Trig, HDL, LDL) (1)
Renal Function Panel (1)

Acetaminophen (1)	LH (1)
Acylcarnitine (3)	Lipase (1)
Amino acid (2)	Magnesium (1)
Ammonia (on ICE)	Myoglobin (1)
(1)	**Neonatal Bili** (1)
Amylase (1)	Osmolality
Anti-Streptolysin O	Phenytoin (1)
Beta-HCG (1)	Phosphorus (1)
BHOB (1)	Prealbumin
C3 & C4	Procalcitonin (1)
CA 19-9	Prolactin
CA 125	Progesterone
CA 15-3	ProNT-BNP (1)
CEA	PSA (1)
Carbamazepine (1)	PTH (1)
Carnitine, Free & Total (3)	Rheumatoid factor
CRP/hsCRP (1)	Rubella (1)
CK Total (1)	Salicylate (1)
CK MB (1)	Testosterone
Cortisol (2)	Theophylline
Estradiol	Tobramycin
Ethanol (1)	Troponin I (1)
Folate	Uric acid (1)
FSH	Valproic acid (1)
GGT (1)	Vitamin B12 (1)
Gentamicin (1)	**Vitamin B6** (2)
IgA	**Vitamin C** (2)
IgG	
IgM	
LDH (1)	

****Protect from Light****



**Gold or Red with gel
Clot activator**

Serum Separator

600 uL

17-Hydroxyprogesterone Quan (2)
Acute Hepatitis Panel
 (HepA, HepBc, HepBs Ab/Ag, Hep C)
 AFP Tumor
 Alpha-1-antitrypsin (1)
Hep B Core IgM Ab
Infectious Serology
 (CMV, EBV, H. pylori, HIV 1+2, HSV,
 Mumps, RPR, Rubella, FTA, Toxoplasma,
 Varicella, West Nile, and others)
 Phenobarbital
Preg Qual Serum
Thyroid Function Tests
 {TSH, FreeT4 (**Gold Only**), FreeT3, Total
 T4, Total T3} (2)
 ANCA (MPO/PR3) (2)
 Apolipoproteins (4)
 Ceruloplasmin (2)
 C-Peptide (2)
 DHEAS
 Digoxin (1)
 Growth Hormone (3)
 Haptoglobin (2)
 Homocysteine
 IgE
 Insulin (2)
 Ionized Calcium (Vacuette tube ONLY) (1)
 Kappa:Lambda Free Light Chains (2)
 Lithium (1)
 Mono Screen (1)
 PSA free
 Quad Screen
 Serum Protein Electrophoresis/IFE (2)
 Testosterone Free
 Thyroglobulin (2)
 Thyroid antibodies (2)
 Vancomycin (1)
 Vitamin D, 25-hydroxyl (1)
 Vitamin D, 1, 25-dihydroxy (2)

Order of Draw

Blue > Red > Green > Purple > Gray



**Purple
EDTA
Purple**

500 uL

Complete Blood Count (CBC)
 ACTH (Pre-chilled tube & on ICE) (2)
 ESR (1)
 Flow cytometry (1)
 Hemoglobin A1c (1)
 Hemoglobin Electrophoresis (1)
 Sickie Screen
 RBC Folate (2)
 Reticulocyte count (1)
Pink Only:
Blood Bank (2)
 (Cord blood, DAT, Type & Screen)
HBV, HCV, HIV by PCR
 (quantitative, genotype, phenotype)
Immunosuppressive Drugs
 (Cyclosporin, Sirolimus, Tacrolimus) (2)



**Red no gel
Clot activator**

500 uL

Toxicology & Drug Levels

(Amikacin, glycols, lidocaine,
 methotrexate, mixed alcohols, pento-
 barbital, thiocyanate, tricyclics, etc.)
 PF4 HIT Screen & Confirmatory
 Phenytoin Free
 Lamotrigine (2)



**Yellow
Acid-Citrate-Dextrose**

6 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 (1)
 APC resistance (1)
 D-dimer (1)
 FDP (special blue top) (1)
 Fibrinogen (1)
 Heparin level (LMWH & Unfract) (1)
 Lupus anticoagulant testing
 Partial thromboplastin time (PTT) (1)
 Platelet Function assay (1)
 Proteins C & S
 Prothrombin time (PT) (1)
 Specific factor activity (1)
 Specific factor inhibitor
 Thrombin Time (1)
 Von Willebrand factor



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

4mL

Glucose tolerance testing



**Royal Blue 10.8mg
K2 EDTA**

6 mL

Lead & Heavy Metal testing

This document serves as a guide only. Please visit our website for more detailed collection requirements.
<https://www.testmenu.com/MemorialHospital>
Disclaimer: The parenthesis indicate the needed number of FULL pediatric tubes. The amount of serum and plasma needed is dependent on the child's hematocrit. If the hematocrit is increased, then more blood will be needed in order to get enough serum/plasma.
 Memorial Hospital Laboratory Services
 University of Colorado
 (719)365-5260
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