



# Specimen Collection Requirements

For more information visit [www.maclonline.com](http://www.maclonline.com) or call: (317) 803-1010 or (877) 803-1010 (Option #4)

**(1)** **Light Blue (Sodium Citrate 3.2%)**

- T/F Activated Protein C Resistance
- T/F Adams 13
- T/F Alpha 2 Antiplasmin
- T/F Antithrombin III
- T/F Chromogenic Factor VIII
- T/F Dilute PT
- T/F D-Dimer
- T/F DRVVT (Dilute Russel Viper Venom)
- T/F Factor II
- T/F Factor V
- T/F Factor V Inhibitor
- T/F Factor VII
- T/F Factor VIII
- T/F Factor VIII Inhibitor
- T/F Factor IX
- T/F Factor IX Inhibitor
- T/F Factor X
- T/F Factor XI
- T/F Factor XII
- T/F Factor XIII
- T/F Fibrin Monomer Complex
- T/F Fibrinogen
- T/F Heparin Dependent Antibodies
- T/F Heparin Level
- T/F Hexagonal Phospholipid Neutralization
- \*\* Lupus Anticoagulant (4 tubes)
- T/F Mixing Study PT
- T/F Mixing Study PTT
- Plasminogen Activator Inhibitor 1 Ag
- T/F Plasminogen Activity
- Platelet Aggregation } See Below
- Platelet Function Test }
- T/F Protein C Activity
- T/F Protein C Ag (Total)
- T/F Protein S Activity
- T/F Protein S Ag (Free)
- T/F Protein S Ag (Total)
- T/F PT
- T/F PTT
- T/F Reptilase Time
- Ristocetin Dose Response (2 tubes)
- T/F TCT (Thrombin Clotting Time)
- T/F Von Willebrand Antigen
- T/F VonWillebrand Factor (WVF) Activity
- T/F VWF Multimers

T/F = Transfer plasma to plastic vial - freeze within 2 hours of draw  
 \*\*2 full light blue tops and 2 full SST  
 } Must call for STAT pickup and indicate draw time on tubes  
 Must use discard tube when using butterfly for light blue tubes.

Numbers in "( ) " beside tube type picture indicate order of draw

**(2)** **Red (No Additive)**

- Acetaminophen
- Alcohol (Do not open prior to testing)
- Aldosterone
- Alpha 1 Antitrypsin
- Amikacin
- Aminodarone
- Androstenedione
- Apolipoprotein B
- Barbiturate
- C1Q Binding Assay
- C5 (Complement)
- T/F Factor VII
- Caffeine (Neonatal)
- Carbamazepine (Tegretol)
- \* Complement, Total (CH50)
- \* Cryoglobulin
- Digitoxin
- Digoxin
- Dihydrotestosterone
- Doxepin
- Ethylene Glycol (place on ice)
- Flecainide
- Free Fatty Acid
- Gentamicin
- GHB Rohypnal
- Halidol (Haloperidol)
- Hydroxyprogesterone
- Imipramine (Tofranil)
- Lamotrigine (Lamictal)
- Librium (Chlordiazepoxide)
- Lidocaine
- Lithium
- Lysozyme (Muramidase)
- Mellarin (Thioridazine)
- Meprobamate
- Methotrexate (protect from light)
- Norpace (Disopramide)
- Oxcarbazepine (Trileptal)
- Pentobarbital
- Phenytoin (Dilantin)
- Primidone (Mysoline)
- BUN
- Propafenone
- Protriptyline (Vivacity)
- Prozac (Fluoxetine)
- Ritalin (Methylphenidate)
- Salicylate
- Theophylline
- Thorazine (Chlorpromazine)
- Tobramycin
- Trazodone
- Valium
- Valproic Acid
- Vancomycin
- Zonegran (Zonisamide)

\* Deliver to lab immediately. Keep specimen at room temperature.

**(3)** **Gold (SST gel separator)**

<ul style="list-style-type: none"> <li>Acetone</li> <li>Aldolase</li> <li>ANA</li> <li>Anticardiolipin Antibody (IgA)</li> <li>Anticardiolipin Antibody (IgG + IgM)</li> <li>Anti-DNase-B Titer</li> <li>Anti-Double-Stranded DNA</li> <li>Anti-Histone AB</li> <li>Antiphosphatidylserine Ab (IgA)</li> <li>Antiphosphatidylserine Ab (IgM + IgG)</li> <li>Anti-Smooth Muscle Antibody</li> <li>ASO Titer</li> <li>Beta 2 Glycoprotein 1 Ab (IgA)</li> <li>Beta 2 Glycoprotein 1 Ab (IgG + IgM)</li> <li>Beta 2 Microglobulin</li> <li>Betahydroxybutyrate (BHOB)</li> <li>C3</li> <li>C4</li> <li>CA 125</li> <li>CA 27.29</li> <li>Cancer Antigen 15-3</li> <li>Carbohydrate Antigen 19-9</li> <li>Cardio CRP</li> <li>Cardiolipin Antibody</li> <li>CEA</li> <li>Cholesterol</li> </ul>	<ul style="list-style-type: none"> <li>Cortisol</li> <li>Cortisol (Thyrotropin) Stimulation</li> <li>C-peptide</li> <li>C-Reactive Protein (CRP)</li> <li>DHEAS</li> <li>Direct LDL</li> <li>EBV Screen</li> <li>Folate</li> <li>HCG, Serum Qualitative</li> <li>Hepatitis A, IgM</li> <li>Hepatitis A, Total</li> <li>Hepatitis B Core IgM Antibody</li> <li>Hepatitis B Surface Antibody</li> <li>Hepatitis B Surface Antigen</li> <li>Hepatitis BE Antibody</li> <li>Hepatitis BE Antigen</li> <li>Hepatitis C Antibody</li> <li>Hepatitis Panel, Acute</li> <li>Herpes 1 + 2 IgM Antibody</li> <li>Histoplasma AB Comp Fix</li> <li>HIV Antibody (separate tube)</li> <li>Immunofixation, Serum</li> <li>Immunoglobulin Panel</li> <li>Insulin</li> <li>Lyme Disease Antibody</li> <li>Mono Screen</li> </ul>	<ul style="list-style-type: none"> <li>Osmolality</li> <li>Parvovirus, Human</li> <li>Phospholipids</li> <li>Prolactin</li> <li>Prostatic Acid Phosphatase</li> <li>Protein Electrophoresis</li> <li>PSA</li> <li>T/F PTH, Intact and Ca++</li> <li>RA Factor/Screen</li> <li>RPR</li> <li>Rubella IgG</li> <li>Rubeola IgG</li> <li>Scleroderma Antibody</li> <li>Sjogren's Screen</li> <li>Testosterone</li> <li>Thyroglobulin</li> <li>Thyroglobulin Antibody</li> <li>Thyroid Receptor Antibody</li> <li>Total Bile Acid</li> <li>TSH</li> <li>Varicella Zoster Antibodies</li> <li>Vitamin B12</li> <li>Vitamin D, 25 Hydroxy</li> <li>Vitamin E</li> </ul>
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DO NOT FREEZE SST TUBE. PLEASE TRANSFER TO POUR OFF TUBE.  
 T/F = Transfer serum to plastic vial - freeze within 2 hours of draw

**(4)** **Mint Green (PST gel separator) OR Dark Green, Gold, Tiger Top are also acceptable**

<ul style="list-style-type: none"> <li>Albumin</li> <li>Alkaline Phosphatase</li> <li>ALT (SGPT)</li> <li>Amylase</li> <li>AST (SGOT)</li> <li>Basic Metabolic Profile (BMET)</li> <li>IgA</li> <li>IgG</li> <li>IgM</li> <li>Iron</li> <li>Calcium</li> <li>Chloride</li> <li>CKMB</li> <li>CO2</li> <li>Comp Metabolic Profile (CMET)</li> <li>CPK</li> <li>Creatinine</li> <li>Electrolytes</li> <li>Potassium</li> <li>Prealbumin</li> <li>Procalcitonin</li> <li>Progesterone</li> <li>Renal Panel</li> <li>Sodium</li> <li>Glucose</li> </ul>	<ul style="list-style-type: none"> <li>Glucose Tolerance Tests (all)</li> <li>Glucose, Fasting</li> <li>HCG, Quantitative</li> <li>HDL</li> <li>Hepatic Panel</li> <li>IgA</li> <li>IgG</li> <li>IgM</li> <li>Iron</li> <li>Iron Study Panel</li> <li>LDH</li> <li>LH</li> <li>Lipase</li> <li>Lipid Panel</li> <li>Magnesium</li> <li>Phosphorus</li> <li>Potassium</li> <li>Prealbumin</li> <li>Procalcitonin</li> <li>Progesterone</li> <li>Renal Panel</li> <li>Sodium</li> <li>T3 Uptake</li> </ul>	<ul style="list-style-type: none"> <li>T3, Free</li> <li>T3, Total</li> <li>T4 (Thyroxine)</li> <li>T4, Free</li> <li>TIBC</li> <li>Total Bilirubin</li> <li>Total Protein</li> <li>Transferrin</li> <li>Triglyceride</li> <li>Uric Acid</li> </ul>
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**(5)** **Green (Lithium Heparin)**

- T/F Ammonia
- Carbon Monoxide (CO) (Carboxyhemoglobin)
- CKMB
- Leukocyte Alkaline Phos Stain (LAP)
- \* Ionized Calcium
- Methemoglobin (place on ice)
- Plasma Free Hemoglobin
- Troponin-I

\* Do not open prior to testing

**(6)** **Lavender (EDTA)**

- ACTH (place on ice)
- T/F B type Natriuretic Peptide (BNP)
- CBC
- CBC with Differential
- Cell Count (Body Fluids)
- CMV, PCR, Quant and Qual
- Crystal Analysis (Body Fluids)
- Cyclosporine
- Factor V Leiden Mutation
- Fetal Hemoglobin
- G6PD
- T/F Glucocorticoid (2 tubes)
- Hemoglobinopathy Evaluation
- Hemogram
- Hgb A1C
- Hgb/Hct
- Histamine
- HIV 1 DNA, Qual, PCR
- HIV Viral Load
- T/F Homocysteine
- T/F HSV 1 and 2 PCR, Qual
- Malaria Stain - make slides
- MTHFR
- Platelet Count
- Prothrombin 20210 Gene Mutation
- Rapamycin (Sirolimus)
- RBC Folate (2 tubes)
- RBC Cholinesterase (2 tubes)
- T/F Renin
- Reticulocyte Count
- Reticulocyte Hgb Content
- Sed Rate
- Sickle Cell Screen
- Tacrolimus (Prograf)
- Total Eosinophil Count
- T/F Vasoactive Peptide
- T/F Vitamin B1 (protect from light)
- T/F Vitamin B6 (protect from light)
- T/F Vitamin K (protect from light)

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**(7)** **Pink (Blood Bank)**

- Antibody Screen
- ABO Rh
- Direct Antiglobulin Test (DAT)
- Indirect Antiglobulin Test (IAT)
- Type and Screen
- Type and Crossmatch
- Rhogam

**(8)** **Royal Blue (No Additive)**

- Copper

**(9)** **Royal Blue (EDTA)**

- Arsenic
- Cadmium
- Heavy Metals, Blood
- Mercury
- Zinc

**(10)** **White (EDTA/Gel)**

- T/F Hepatitis B Virus DNA Qual PCR
- T/F Hepatitis C RNA PCR, Quant
- T/F HIV Genotyping
- T/F HIV RNA PCR, Quant

**(11)** **Tan (EDTA K<sub>2</sub>)**

- Lead

**(12)** **Gray (NA Fluoride/K Oxalate)**

- Sed Rate
- Glucose Tolerance Tests (all)
- T/F Lactic Acid (place on ice)

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Order of draw