



# 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)

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

- 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
- Platelet Function Test } See Below
- 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 (VWF) 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 tube picture indicate order of draw

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

- Acetaminophen
- Alcohol (Do not open prior to testing)
- Aldosterone
- Amikacin
- Aminodarone
- Androstenedione
- Apolipoprotein B
- Barbiturate
- C1Q Binding Assay
- C5 (Complement)
- Caffeine (Neonatal)
- Carbamazepine (Tegretol)
- R Complement, C3
- R Complement, C4
- \* 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)
- Mellaril (Thioridazine)
- Meprobamate
- Methotrexate (protect from light)
- Norpace (Disopramide)
- Oxcarbazepine (Trileptal)
- Pentobarbital
- Phenytoin (Dilantin)
- Primidone (Mysoline)
- Propafenone
- Protriptyline (Vivacity)
- Prozac (Fluoxetine)
- Ritalin (Methylphenidate)
- Salicylate
- Theophylline
- Thorazine (Chlorpromazine)
- Tobramycin
- Trazodone
- Valium
- Valproic Acid
- Vancamycin
- Zonegran (Zonisamide)

\* Deliver to lab immediately. Keep specimen at room temperature.  
 R = Refrigerated Transport in Mylar Bag

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

- Acetone
- Aldolase
- Alpha 1 Antitrypsin
- ANA
- Anticardiolipin Antibody (IgA)
- Anticardiolipin Antibody (IgG + IgM)
- Anti-DNase-B Titer
- Anti-Double-Stranded DNA
- Anti-Histone AB
- Antiphosphatidylserine Ab (IgA)
- Antiphosphatidylserine Ab (IgM + IgG)
- Anti-Smooth Muscle Antibody
- ASO Titer
- Beta 2 Glycoprotein 1 Ab (IgA)
- Beta 2 Glycoprotein 1 Ab (IgG + IgM)
- Beta 2 Microglobulin
- Betalhydroxybutyrate (BHOB)
- CA 125
- CA 27.29
- Cancer Antigen 15-3
- Carbohydrate Antigen 19-9
- Cardio CRP
- Cardiolipin Antibody
- CEA
- Cholesterol
- Cortisol
- Cortisol (Thyrotropin) Stimulation
- C-peptide
- DHEAS
- Direct LDL
- EBV Screen
- Folate
- HCG, Serum Qualitative
- Hepatitis A, IgM
- Hepatitis A, Total
- Hepatitis B Core IgM Antibody
- Hepatitis B Surface Antibody
- Hepatitis B Surface Antigen
- Hepatitis BE Antibody
- ASO Titer
- Hepatitis C Antibody
- Hepatitis Panel, Acute
- Herpes 1 + 2 IgM Antibody
- Histoplasma AB Comp Fix
- HIV Antibody (separate tube)
- Homocysteine
- Immunofixation, Serum
- Immunoglobulin A
- Immunoglobulin G
- Immunoglobulin M
- Immunoglobulin Panel
- Insulin
- \*Ionized Calcium
- LH
- Lyme Disease Antibody
- Mono Screen
- Osmolality
- Parvovirus, Human
- Phospholipids
- Prealbumin
- Prolactin
- Prostatic Acid Phosphatase
- Protein Electrophoresis
- PSA
- PTH, Intact and Ca++ (plus EDTA)
- RA Factor/Screen
- RPR
- Rubella IgG
- Rubeola IgG
- Scleroderma Antibody
- Sjogren's Screen
- Testosterone
- Thyroglobulin
- Thyroglobulin Antibody
- Thyroid Receptor Antibody
- Total Bile Acid
- TSH
- Transferrin
- Varicella Zoster Antibodies
- Vitamin B12
- Vitamin D, 25 Hydroxy
- Vitamin E

DO NOT FREEZE SST TUBE. PLEASE TRANSFER TO POUR OFF TUBE.  
 T/F = Transfer serum to plastic vial - freeze within 2 hours of draw

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

- Acetaminophen
- Albumin
- \*Alcohol
- Alkaline Phosphatase
- ALT (SGPT)
- Amylase
- Ammonia (on ice)
- AST (SGOT)
- Basic Metabolic Profile (BMET)
- Bilirubin, Direct
- Bilirubin, Total
- BUN
- Calcium
- Chloride
- CKMB
- CO2
- Comp Metabolic Profile (CMET)
- CPK
- C-Reactive Protein (CRP)
- Creatinine
- Electrolytes
- Estradiol
- Ferritin
- FSH
- Gentamycin
- GGT
- Glucose
- Glucose Tolerance Tests (all)
- HCG, Quantitative
- HDL
- Hepatic Panel
- Iron
- Iron Study Panel
- Lactic Acid (on ice)
- LDH
- Lipase
- Lipid Panel
- Magnesium
- NTPRO-BNP
- Phenytoin (Dilantin)
- Phosphorus
- Potassium
- Procalcitonin
- Progesterone
- Renal Panel
- Salicylate
- Sodium
- T3 Uptake
- T3, Free
- T3, Total
- T4 (Thyroxine)
- T4, Free
- TIBC
- Total Bilirubin
- Total Protein
- Triglyceride
- Troponin-I
- TSH
- Uric Acid
- Valproic Acid

\* Do not open prior to testing

**Green (Lithium Heparin) (5)**

- Ammonia (On Ice)
- Carboxyhemoglobin (CO) (On Ice)
- CKMB
- Lactic Acid (On Ice)
- Leukocyte Alkaline Phos Stain (LAP)
- Ionized Calcium (On Ice)
- Methemoglobin (On Ice)
- Plasma Free Hemoglobin

\* Do not open prior to testing

**Lavender (EDTA) (6)**

- ACTH (place on ice)
- 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 Glucagon (2 tubes)
- Hemoglobinopathy Evaluation
- Hemogram
- Hgb A1C
- Hgb/Hct
- Histamine
- HIV 1 DNA, Qual, PCR
- HIV Viral Load
- T/F HSV 1 and 2 PCR, Qual
- Malaria Stain - make slides
- MTHFR
- Platelet Count
- Prothrombin 20210 Gene Mutation
- R PTH, Intact
- 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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**Pink (Blood Bank) (7)**

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

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

- Copper

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

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

**White (EDTA/Gel) (9)**

- 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

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**Tan (EDTA K<sub>2</sub>) Lead (10)**

**Gray (NA Fluoride/K Oxalate) (11)**

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

T/F = Transfer plasma to plastic vial - freeze within 2 hours of draw

ORDER OF DRAW	BLC	1	2	3	4	5	6	7	8	9	10	11
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