



# 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
  - 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 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)
- \* 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)
- Norpac (Disopramide)
- Oxcarbazepine (Trileptal)
- Pentobarbital
- Phenytoin (Dilantin)
- Primidone (Mysoline)
- 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) OR SST**

Acetone	Cortisol	Mono Screen
Aldolase	Cortisol (Thyrotropin) Stimulation	Osmolality
ANA	C-peptide	Parvovirus, Human
Anticardiolipin Antibody (IgA)	C-Reactive Protein (CRP)	Phospholipids
Anticardiolipin Antibody (IgG + IgM)	DHEAS	Prolactin
Anti-DNase-B Titer	Direct LDL	Prostatic Acid Phosphatase
Anti-Double-Stranded DNA	EBV Screen	Protein Electrophoresis
Anti-Histone AB	Folate	PSA
Antiphosphatidylserine Ab (IgA)	HCG, Serum Qualitative	Prealbumin
Antiphosphatidylserine Ab (IgM + IgG)	Hepatitis A, IgM	RA Factor/Screen
Anti-Smooth Muscle Antibody	Hepatitis A, Total	RPR
ASO Titer	Hepatitis B Core IgM Antibody	Rubella IgG
Beta 2 Glycoprotein 1 Ab (IgA)	Hepatitis B Surface Antibody	Rubeola IgG
Beta 2 Glycoprotein 1 Ab (IgG + IgM)	Hepatitis B Surface Antigen	Scleroderma Antibody
Beta 2 Microglobulin	Hepatitis BE Antibody	Sjogren's Screen
Betahydroxybutyrate (BHOB)	Hepatitis BE Antigen	Testosterone
C3	Hepatitis C Antibody	Thyroglobulin
C4	Hepatitis Panel, Acute	Thyroglobulin Antibody
CA 125	Herpes 1 + 2 IgM Antibody	Thyroid Receptor Antibody
CA 27.29	Histoplasma AB Comp Fix	Total Bile Acid
Cancer Antigen 15-3	HIV Antibody (separate tube)	TSH
Carbohydrate Antigen 19-9	Immunofixation, Serum	Varicella Zoster Antibodies
Cardio CRP	Immunoglobulin Panel	Vitamin B12
Cardiolipin Antibody	Insulin	Vitamin D, 25 Hydroxy
CEA	*Ionized Calcium	Vitamin E
Cholesterol	Lyme Disease Antibody	

DO NOT FREEZE SST TUBE. PLEASE TRANSFER TO POUR OFF TUBE. \* Do not open prior to testing  
 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**

Albumin	Glucose Tolerance Tests (all)	T3, Free
Alkaline Phosphatase	Glucose, Fasting	T3, Total
ALT (SGPT)	HCG, Quantitative	T4 (Thyroxine)
Amylase	HDL	T4, Free
AST (SGOT)	Hepatic Panel	TIBC
Basic Metabolic Profile (BMET)	IgA	Total Bilirubin
Bilirubin, Direct	IgG	Total Protein
Bilirubin, Total	IgM	Transferrin
BUN	Iron	Triglyceride
Calcium	Iron Study Panel	TSH
Chloride	LDH	Uric Acid
CKMB	LH	
CO2	Lipase	
Comp Metabolic Profile (CMET)	Lipid Panel	
CPK	Magnesium	
Creatinine	Phosphorus	
Electrolytes	Potassium	
Estradiol	T/F PTH, Intact and Ca++	
Ferritin	Procalcitonin	
FSH	Progesterone	
GGT	Renal Panel	
GGT	Sodium	
Glucose	T3 Uptake	

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

- T/F Ammonia
- Carbon Monoxide (CO) (Carboxyhemoglobin)
- CKMB
- T/F Lactic Acid (on ice)
- Leukocyte Alkaline Phos Stain (LAP)
- 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 Glucagon (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

**Royal Blue (EDTA)**

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

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

- T/F Hepatitis B Virus DNA Qual PCR
- T/F Hepatitis C RNA PCR, Quant
- T/F HIV Genotyping
- T/F HIV1 RNA PCR, Quant

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

- Lead

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

- Glucose Tolerance Tests (all)

