

# GUNDERSEN HEALTH SYSTEM LABORATORY SPECIMEN REQUIREMENTS

For complete listing, refer to Gladiator /Internal Sites/Department Web sites/Laboratory/Specimen Requirements or call 53999

Note: The first tube listed is the tube of choice, but second/third is acceptable.

ABORH – LAV	CO2 – GRN/SST	INR (PT) – BLU – fill line	ROTEM- (LaCrosse and Ona ONLY)
Acetaminophen/Tylenol – Green/SST/PRT	Cold Agglutinin – SST	Iron and Iron Binding – SST/GRN	---Blue use kit bag
Albumin – GRN/SST/PRT	Cortisol – SST/GRN	Lactic Acid – Grey on ice <u>must be</u> <u>off cells within 15 min. of draw</u>	-- Must be tested w/in 4 hours
*Alcohol (Medical) – Grey/ GRN/SST- do not use	CPK – GRN/SST	LAX Enceph Titer – SST	Rubella – SST
alcohol wipe see note on back	Creatinine – GRN/SST	LDH – GRN/SST	Rubeolla – SST
Alfa-Fetoprotein(AFP) - SST	Cryofibrinogen – 4-2.7ml BLU- 4 hr. Fast & Keep Warm	Lead – TAN (metal free EDTA)/LAV	Salicylate/Aspirin – Green/SST/PRT
Alkaline Phosphatase – GRN/SST	Cryoglobulins –4-4ml SST &4hr. Fast Keep warm	LH – SST	Sed Rate (ESR) – LAV (min 2.0 ml )
A1C (Glycosylated Hgb) – LAV	D-Dimer – BLU	Lidocaine – PRT	Sickle Cell – LAV
Ammonia (NH3) – LAV on ice	Depakote (Valproic Acid) – GRN/SST/PRT	Lipase – GRN/SST	Sodium (NA) – GRN/SST
Amylase – GRN/SST	Digoxin – Green/SST/PRT	LPA (Lipoprotein Analysis) – GRN/SST	T3 – GRN/SST
ANA – SST	Dilantin (Phenytoin) – Green/SST/PRT	Lithium – SST/PRT	T4 Free (FT4) – GRN/SST
Anti-DNA – SST	EBVGM – SST	Lymes – SST	Tegretol/Carbamazepine – GRN/SST/PRT
Antibody Screen – 6ml LAV	Direct Coombs – LAV	Magnesium (MG) – GRN/SST	Testosterone (Total Only) – GRN/SST
Ascorbic Acid –no gel Na/Hep GRN on Ice -12-14 hr. Fast & Protect from light	Electrolytes – GRN/SST	Methotrexate – SST (Protect from Light)	Theophylline/Aminophylline – GRN/SST/PRT
AST (SGOT) – GRN/SST	ENA – SST	Methylmalonic Acid – PRT/SST	Thyroid Antibody – SST
B12- SST/Green	ESR/Sed Rate – LAV	Monotest – LAV	Tobramycin – PRT/SST
Beta HCG (Quant) – GRN/SST	Estradiol –GRN/SST	Osmolality – GRN/SST	Total Protein – SST
BHB- (Beta hydroxybutyrate)-GRN	Ethylene Glycol – Grey	P2Y12 – Use Kit	Triglycerides – GRN/SST
BGVEL-Bld Gas venous <u>w/Lactate</u>	Factor's - BLU	Peripheral Smear – LAV (<12 hours old)	HS Troponin – GRN (draw own tube if chems also ordered)
• On Bld Gas Syringe-venous	Ferritin – GRN/SST	PFA – 2–2.7ml BLU (DO NOT SEND IN TUBE OR SPIN)	TS (Type and Screen) – 6ml LAV BB#, 1 <sup>ST</sup> initial, full last name
Bilirubin Grn/SST (all – protect from light)	Fibrinogen – BLU	PSAFT- SST	TSH – GRN/SST
BNPNT (B Type Natriuretic Peptide) GRN/SST	Folate – SST	Phenobarbital –Green/SST/PRT	TSST1 - SST
BUN – GRN/SST	FSH – SST	Phenytoin/Dilantin – Green/SST/PRT	Tylenol/Acetaminophen – Green/SST/PRT
C Reactive Protein (CRP) GRN/SST	Gamma GT (GGT) – GRN/SST	Phosphorus – GRN/SST	Uric Acid – GRN/SST
C3 – SST/GRN	Gastrin – SST/PRT – Fasting	Platelet (PLT) – LAV	Valproic Acid – Green/SST/PRT
C4 – SST/GRN	Gentamicin – GRN/PRT/SST	Potassium (K) – GRN/SST (must be spun within 1 hour)	Vancomycin – Green/SST/PRT
CA125 – SST	Glucose – GRN/SST Must be spun within ½ hour or put on ice	Primidone – PRT	Varicella (VZIG) – SST
CA19-9 - SST	Haptoglobin – SST/GRN	Procainamide – PRT	VDRL – SST
Calcium – GRN/SST	HCG/ Pregnancy – SST	Procalcitonin- SST/PRT/Green	Vit D 25HYD – SST/PRT
Calcium Ionized – 4ml full SST or heparinized syringe	HDL Cholesterol – GRN/SST	Progesterone – GRN/SST	Vit D, 1, 25-HYD – PRT/SST 4 hr. Fast preferred
Carotene – PRT (protect from light)	Hematocrit (HCT) – LAV	Prolactin – GRN/SST	VITE – PRT only, 12-14 hr. Fast & Protect from Light
CBC – LAV	Hemoglobin (HGB) – LAV	PSA – SST/GRN	WBC – LAV
CEA – SST	Hemogram (HEMG3) – LAV	Protein Electrophoresis (PES) – SST	
CH50 – SST/PRT (On Ice)	Hepatitis (All) – 2 4ml SST	PT (INR) – BLU – fill line	
Chloride – GRN/SST	HIV – SST- signed consent	PTT – BLU – fill line	
Cholesterol – GRN/SST	Homocysteine – LAV – on ice 4 hrs fasting	Reticulocyte Count (RETIC) – LAV	
CMVMG – SST	H-Pylori – SST/PRT	Rheumatoid Factor (RH) – SST	
	IFLC - SST	RMISC/OTHER – call 53150	

See Back Side for Notes

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If you have questions regarding specimen collection or add-ons, Call 53999

## Order of Draw (Vacutainer/Syringe) and Anticoagulant in Tube:

## Tube Type Abbreviations:

### Blood Cultures

<u>Blue</u>	Sodium Citrate
<u>Pumpkin/Plain Red</u>	No anticoagulant
<u>Green</u>	Heparin
<u>Lavender</u>	EDTA
<u>Grey</u>	Sodium Fluoride/Potassium Oxalate

<u>Gold (aka pumpkin)</u>	SST/Serum w gel
<u>PRT</u>	Plain Red – no gel
<u>Blue</u>	Blu
<u>Green</u>	Grn
<u>BBL</u>	Blood Bank (6 ml LAV)
<u>SPC</u>	Special – see comments on label

## Order of Draw for Microtainer Collection (capillary puncture-from heel or finger):

Lavender

Green

Grey - Sodium Fluoride/Disodium EDTA - *This only pertains to the grey microtainers*

Plain Red/Yellow

**Do not use** the 0.9 MiniCollect tube for adults unless provider is notified. This tube is for neonates. When collecting blood for the 0.9 mini-collect tube, it must be venous blood – not capillary.

## Protocols:

### GI Profile:

Green	Amylase/Alk Phos SGOT/Bili
Lavender	CBC

### ED Profile:

Green	Creat/Gluc/ NA/K/BUN
Lavender	CBC

### Trauma Protocol:

Blue	PT INR/PTT
Green	Creat/NA/K Glucose/Amylase
Lavender	CBC
TS	Lav (6ml) BB ARMBAND
ETOH	Grey
Lactic Acid	Grey - on Ice
VBG	BG syringe- <b>Draw Last</b>

### Hip Procol:

Blue	PT INR/PTT
SST	
Green	NA/K/BUN/Glucose
Lavender	CBC
Lavender (6ml)	TS

### CCU Protocol:

Blue	PT INR/PTT
Green	Troponin
Green	NA/K/Gluc/Creat
Lavender	CBC
6 ml Lavender	BB Hold

## NOTES:

- All tubes with additives must be gently mixed 6 – 8 times
- Blue tubes must be filled to the minimum fill line (groove in tube) – others may be half full unless specifically required to be full
- Fill tubes from syringes immediately after draw (gently mix)
- Blood Bank Tubes MUST have BB# and 1<sup>st</sup> initial-full last name of phlebotomist if for possible transfusion (All Inpatients)
- Blood Cultures require a 30 second Chloraprep scrub – Alcohol for infants less than 2 months of age
- Tourniquet should not be left on longer than 2 minutes (closer to 1 minute is preferable)
- Note regarding ETOH: May add ETOH onto unopened SST or Green. Enter Changed Specimen Type in LIS. Enter Comment: add-on ETOH/ not collected per ETOH protocol.