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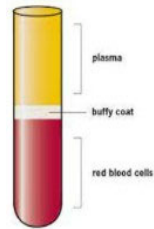
Test name	Container Mnemonic	Specimen Requirements	Collection Container Type	Minimum volume	Collection Requirements
25OHD (Vitamin D, 25-Hydroxy (25-OH) Total)	PPST	Serum or Li Heparin plasma	Mint green (lithium heparin) microtainer	*0.6ml WB	No special collection requirements needed.
ABG (Arterial Blood Gas)		Whole blood Balance Li Hep	Heparinized capillary tube	95ul whole blood	Must be delivered to the lab on ice. Requisition must indicate source and time sample is drawn.
Acetaminophen (ACETAMIN)	PRED or PSST	Serum	Red top or gold top microtainer	*0.6ml WB	No special collection requirements needed.
Acylcarnitine	GNA	Plasma	Green Sodium Heparin	*0.25 mL WB	*Does not allow for repeat testing
Alkaline Phosphatase	PPST	Serum or Li Heparin plasma	Mint green (lithium heparin) microtainer	*0.6ml WB	No special collection requirements needed.
Amino Acid	GNA	Plasma	Green Sodium Heparin	*0.30 mL WB	*Does not allow for repeat testing
Ammonia	PLAV	Whole Blood EDTA Plasma	EDTA purple or lavender microtainer	*0.6ml WB	Specimen must be placed on ice and transported to the laboratory immediately after collection.
BMP (panel)	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
BNP	PLAV	Whole Blood EDTA Plasma	EDTA purple or lavender microtainer	*1.0 mL EDTA whole blood	Test should be sent to the lab immediately. Test only has a four hour window of stability after collection.
Carbamazepine (CARB)	PRED	Serum	Red top microtainer	*1.0 whole blood	No special collection requirements needed.
CBC (with/without differential)	PLAV	EDTA whole blood	EDTA lavender microtainer	0.5 ml whole blood (WB)	Sample should be finger rolled during collection to prevent clotting. Cap tube and invert tube to mix well.
Chromium/Cobalt	NAVYE Send out test	EDTA whole blood (Navy)	EDTA Navyblue	0.5mL whole blood	No special collection requirements needed.
Chromosomal Microarray	Send out test	Heparin whole blood	Green-top Heparin	2.0 mL whole blood	No special collection requirements needed.
CMP (panel)	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*1.0 mL blood	No special collection requirements needed.
Copper	NAVYE Send out test	EDTA whole blood (Navy)	EDTA Navyblue	0.5 mL whole blood	No special collection requirements needed.
Cortisol	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
CRP	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
D-dimer	BBLU	Citrated Plasma	1.8 blue top (sodium citrate) tube	1.8 mL blood from blue top (tubes must be filled to the line due to the anticoagulant ratio)	No special collection requirements needed.
DIC panel	(2)PBLU and (1) PLAV	Citrated plasma and EDTA whole blood	2 blue top tubes (1.8 pediatric tubes) and 1 lavender microtainer	1.8 ml blood from blue top (tubes must be filled to the line due to the anticoagulant ratio) and .5 ml blood from EDTA lavender	Pediatric tubes must be completely filled. Transport the specimen to the laboratory as soon as possible. Specimen MUST be received within 4 hours after collection.

Approved By: Merih Tesfazghi, M.D.

Digoxin (DIG)	PRED	Serum	Red top microtainer	*1.0 blood	No special collection requirements needed.
Dilantin (Phenytoin) Total	PRED	Serum	Red top microtainer	*1.0 blood	No special collection requirements needed.
Direct Bilirubin	PPST	Serum or Li Heparin plasma	Mint green (lithium heparin) microtainer	*0.6ml WB	Protected from light and transported to the laboratory promptly.
Essential fatty acid panel	Send out test/Mayo	Serum	Red top microtainer	0.5 ml whole blood (WB)	No special collection requirements needed.
Fibrinogen	BBLU	Citrated Plasma	Blue top (sodium citrate) tube	1.8 mL blood from blue top (tubes must be filled to the line due to the anticoagulant ratio)	No special collection requirements needed.
Free thyroxine (FT4)	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*1.0 ml WB	No special collection requirements needed.
Gentamicin (GENT)	PRED	Serum	Red top microtainer	*1.0 blood	No special collection requirements needed.
GGT	PPST	Serum or Li Heparin plasma	Mint green (lithium heparin) microtainer	*0.6ml WB	No special collection requirements needed.
HCT (Hematocrit)	PLAV	EDTA whole blood	EDTA lavender microtainer	0.5 ml blood	Sample should be finger rolled during collection to prevent clotting. Cap tube and invert tube to mix well. If sample is collected in capillary tubes for microhematocrit, samples must be obtained in duplicate whenever possible.
Hepatic Function Panel	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*1.0 ml WB	No special collection requirements needed.
iCal	PPST	Whole Blood Li Hep	Mint green lithium heparin microtainer or Lithium heparin capillary tube	95uL WB	Deliver specimen to the lab within 3 hours of collection. If a sample will be greater than 3 hours old the sample will need to be placed on ice.
IGM Immunoglobulin M	PPST	Li Heparin Plasma	Mint Green lithium heparin microtainer	1.0 mL whole blood	No special collection requirements needed.
Lactate (Venous or Arterial blood)		Whole blood Balance Li Hep	Heparinized capillary tube, or sodium heparin tube	95ul of WB	Deliver specimen immediately to the laboratory on ice.
Lactate Dehydrogenase (Plasma)	PPST	Serum or Li Heparin plasma	Mint green (lithium heparin) microtainer	*0.6ml WB	No special collection requirements needed.
Lithium (LI)	PRED	Serum	Red top microtainer	*0.6ml WB	No special collection requirements needed.
Manganese	NAVYE Send out test	EDTA whole blood (Navy)	Navyblue (EDTA)	0.6 mL WB	No special collection requirements needed.
Methemoglobin		Whole Blood Li Hep	Lithium heparin capillary tube	125uL WB	Specimen must be placed on ice and transported to the laboratory immediately after collection.
MG (Magnesium)	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
Phenobarbital (PHENO)	PRED	Serum	Red top microtainer	*1.0 ml blood	No special collection requirements needed.
PHOS (Phosphorus)	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
PLT (platelet count)	PLAV	EDTA whole blood	EDTA purple or pink microtainer	1.5 ml blood	Sample should be finger rolled during collection to prevent clotting. Cap tube and invert tube to mix well.

Potassium Blood Gas		Whole blood Balance Li Hep	Lithium Heparinized capillary	95uL whole blood	No special collection requirements needed.
Potassium, Plasma	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
Procalcitonin	PRED	Serum	Gold top (SST) or red top microtainer	*1.0 ml	No special collection requirements needed.
Renal Function Panel	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*1.0 ml WB	No special collection requirements needed.
Retic (Reticulocytes)	PLAV	EDTA whole blood	EDTA lavender or pink microtainer	1.5 ml blood	Sample should be finger rolled during collection to prevent clotting. Cap tube and invert tube to mix well.
Salicylate (SAL)	PRED	Serum	Red top microtainer	*0.6ml WB	No special collection requirements needed.
Selenium	NAVVE Send out test	EDTA whole blood (Navy)	Navyblue (EDTA)	0.6 mL WB	No special collection requirements needed.
T3 Total	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*1.0 ml WB	No special collection requirements needed.
T4 Total	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*1.0 ml WB	No special collection requirements needed.
Total IGM	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
Triglycerides	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*0.6ml WB	No special collection requirements needed.
TSH	PPST	Serum or Li Heparin plasma	Mint green lithium heparin microtainer	*1.0 ml WB	No special collection requirements needed.
Type and Screen/DAT	PLAV	Whole Blood EDTA Plasma	EDTA pink tube/microtainer	2 full pink/lavendar microtainer	The content of each sample label must include patient's full name, MRN, two set of initials, date/time sample was collected.
Valproic Acid (VALPRO)	PRED	Serum	Red top microtainer	*1.0 blood	No special collection requirements needed.
Vancomycin (VANCO)	PRED	Serum	Red top microtainer	*1.0 blood	No special collection requirements needed.
VBG (Venous Blood Gas)		Whole Blood Balance Li Hep	Heparinized capillary tube	95ul whole blood	Must be delivered to the lab on ice. Requisition must indicate sample source and time sample is drawn.
Zinc	NAVVE Send out test	EDTA whole blood (Navy)	Navyblue (EDTA)	0.5 mL WB	No special collection requirements needed.

*Please note that the patient's HCT will determine how much serum/plasma is yielded. HCTs 55% and above yield less serum/plasma per blood ratio. This means that the proper whole blood volume could be collected, however, not provide that adequate amount of serum/plasma for testing. Provided testing volumes are based on HCTs of 45% or lower.



The more red cells available the less plasma/serum can be provided.