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		Test Tube	Alternate Test Tube	Additive	Vol.	Epro Item #	Laboratory Use
ORDER OF DRAW	blood cultures			Bactec Aerobic grey cap Bactec Anaerobic orange cap Bactec Peds pink cap		9617 10595 9616	Make certain to follow the blood culture procedure using ChloraPrep One-Step - Item #22960 Mix bottles by inverting 8 to 10 times.
	royal blue			Trace Element Serum	6 mL	see lab supply request	Serum Trace element test: chromium, cobalt, copper, selenium  Serum: Carefully pour, do not pipet, serum into a serum trace element vial.
	blue		*note below	Sodium Citrate Tube Fill test tube completely Proper mixing prevents clot formation	4.5 mL	89	Coagulation testing. PT, PTT, TPT, Protein S, Protein C, Anti-Thrombin III, Lupus Anti-Coagulant
	red			Serum Tube with clot activator Allow 30 min. for clot formation Spin and separate serum into a plastic vial	4 mL 10 mL	2219 2222	Serum chemistry tests: Digoxin, Dilantin, Drug Levels, Homocystine, Lithium, Tegretol, Theophylline, PTH Intact (Quest)
	gold			SST Gel Separator w/ clot activator Allow 30 minutes for clot formation OR Red tiger top tube.	5 mL	1234	Serum chemistry tests: CA125, CA15-3, CA19-9, Free-PSA (sendout), Hepatitis, T3, T4, Free T4, TSH, FSH, LH, B12, B12 Folate
	dk.green			Sodium Heparin Tube	10 mL	94	Amino Acids, HLA B27, Comprehensive Drug Screen, Flow Cytometry
	green			Lithium Heparin PST Separator Tube OR Green tiger top tube. Proper mixing prevents clot formation	4.5 mL	2033	Plasma chemistry tests: Ammonia, BMP, CMP Electrolytes, PTH Intact (NON -OR specimen), Lipid Profile Hepatic Function, Homocystine, PSA (Guthrie)
	dk green			Lithium Heparin without gel	9 mL	see lab supply request	T-SPOT
	lavender			EDTA Tube Proper mixing prevents clot formation	3 mL	1012	Primarily Whole blood testing: CBC, Glyco, Retic, Sed. Rate Mono, RBC Folate, Cyclosporin, Histamine, Cystic Fibrosis (INTRAOPERATIVE PTH - Operating Room. Use Only)
	pink			K2 EDTA	6 mL	40075	Whole blood blood bank tests: Type and Screen, Type and Cross, Direct Antiglobulin (DAT)
	royal blue			K2 EDTA Trace Element Plasma and/or Whole Blood	5 mL	see lab supply request	Trace elements: arsenic, cadmium, heavy metal screen, zinc  Plasma: Carefully pour, do not pipet, plasma into a plasma trace element vial.
	white			K2 EDTA	6 mL	see lab supply request	Hepatitis C - Heptimax
	gray			Sodium Fluoride Potassium Oxalate	5 mL	see lab supply request	Alcohol, Lactic Acid
	yellow			ACD solution B	6 mL	see lab supply request	HLA typing - oncology patients - # of tubes depends on the patient's WBC count. Call the Blood Bank for assistance. (570) 887-4218
URINE	urine chemistry			No additive, urine chemistry only	6 mL	70835	Urine microalbumin, urine drug screen, urine osmolality, urine chemistry tests.
	urinalysis			No additive, conical tube urinalysis only	8 mL	17522 28279 - tube & straw kit	"V" shaped conical tube is used for urinalysis testing only. The cone shape allows for microscopic examination. Urinalysis with reflex culture requires 2 test tubes, a conical and preservative tube.
	urine culture			Preservative, urine culture, legionella	4 mL	63417 17496 - tube & straw kit	Urine culture. Store and transport at room temperature up to 48 Hours.

* When using a winged blood collection set is used and the first tube to be drawn is a citrate coagulation tube, a discard tube (non additive tube) should be drawn first. The discard tube is used to fill the "dead space" in the tubing to ensure proper blood-to-additive ratio in the citrate tube.

**Mix blood collection tubes by inverting 8 to 10 times.