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## Department of Laboratory Medicine and Molecular Diagnostics

## Preanalytics Phlebotomy

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E-Authorized by:Phlebotomy Supervisor

## Venous Order of Draw of Commonly Collected Blood Specimens

	Collection Tube	Volume of blood	Comments/type of blood work
Aerobic & Anaerobic Blood Cultures	Sodium Polyanetholesulfonate (SPS)	8-10mL (*)	Blood Cultures If a blood culture is drawn first then no discard tube is required after a blood culture
Clear top	Clear top plastic tube - Non-additive	6mL	When using a winged blood collection set for venipuncture and a coagulation (citrate) tube is the first specimen tube to be drawn, a discard tube should be drawn first.
Light blue	0.109 M Sodium Citrate 3.2%	2.7mL Mix by inverting 3 to 4 times	PT/INR, PTT,Fibrinogen
Red	Plain	8-10mL (**)	Drug Levels (Digoxin, Gentamycin, Vancomycin)
Gold	BD SST gel separator	5mL (**)	lonized Calcium, CEA, Ferritin, LDH, ACE, Albumin, Ethanol.  Tryptase
Green	Lithium Heparin	3mL (*)	Electrolytes, Calcium profile, CK, Liver profile (Bilirubin, AST, ALT, ALP), , Magnesium, Phosphate, Total Calcium (doesn't include ionized calcium which remains on gold top/SST), Renal profile, Troponin T Venous Blood Gas
Lavender	K2 EDTA (7.2mg)	3mL (*)	CBC & Differential
Pink	K2 EDTA (10.8mg)	6mL (*)	Group and Screen
Grey	Sodium Fluoride	3mL (*)	Glucose, Lactate Acid, Lactate to be sent on ice if done by nursing after hours

(\*) mix by inverting 8 to 10 times (\*\*) mix by inverting 5 times
All tubes should be filled passively to the maximum amount accepted by the vacuum

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