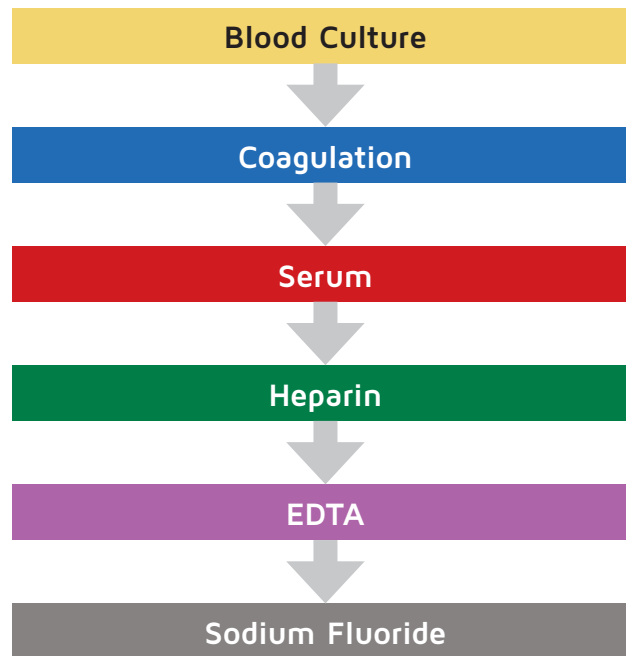


BD Vacutainer® Tube Guide

BD Vacutainer® Tube Cap/Color	Additive and Tube Size/Volume	Number of Inversions	Primary Testing Disciplines
 Blue	Sodium Citrate 13 x 75 / 2.7 mL	3-4	Coagulation
 Gold	Clot activator and gel for serum separation 13 x 75 / 3.5 mL 13 x 100 / 5 mL	5	Chemistry Immunochemistry Some TDMs
 Red	Silicone coated 13 x 75 / 4 mL 13 x 100 / 6 mL	5	Some TDMs Chemistry Viral Markers
 Light Green	Lithium Heparin and gel for plasma separation 13 x 75 / 3 mL 13 x 100 / 4.5 mL	8	Plasma Chemistry Immunochemistry
 Green	Lithium Heparin (no gel) 13 x 75 / 2 mL 13 x 100 / 6 mL	8	Plasma Chemistry
 Green	Sodium Heparin (no gel) 13 x 75 / 2 mL 13 x 75 / 4 mL 13 x 100 / 6 mL	8	Flow Cytometry Cytogenetics
 Lavender	Spray coated K ₂ EDTA 13 x 75 / 3 mL 13 x 100 / 6 mL	8	Hematology Cytogenetics
 Pink	Spray coated K ₂ EDTA 13 x 100 / 6 mL	8	Transfusion Services
 Gray	Sodium Fluoride / K ⁺ Oxalate 13 x 75 / 2 mL	8	Some chemistries (e.g. lactic acid, tolerance glucose as appropriate)
 Royal Blue	Clot activator 13 x 100 / 6 mL	8	Trace elements Toxicology

BD Vacutainer® Order of Draw



NOTE: Gold Gel tubes should clot for 30 minutes before centrifugation. Red, no additive tubes should clot for 60 minutes before centrifugation. Tubes should be centrifuged within 2 hours of collection. Gel tubes should **not** be spun in a refrigerated centrifuge.

BD Vacutainer® Centrifugation

Tube Type	Recommended g-force relative centrifugal force (rcf)	Recommended Time (Minutes)
Vacutainer® Non-Gel Tubes	1000 – 1300 g	10*
Vacutainer® Serum Clot Activator w/ Gel Tubes	1000 – 1300 g	10*
Vacutainer® Plasma Tubes with Gel	1000 – 1300 g	10*
Vacutainer® Coagulation Tubes (Sodium Citrate)		
Platelet tests (Platelet rich plasma)	150 g	5
Routine tests (Platelet poor plasma)	1500 g	15
Preparation for deep freeze plasma	2500 – 3000 g	20

*Time stated is for swing bucket centrifuges. If samples are spun in fixed angle centrifuges, the centrifugation time should be increased to 15 minutes. If the minimum g force cannot be met (swing bucket or fixed rotor centrifuge), increase the spin time to 20 minutes.