

COLLECTION TUBES AND DESCRIPTION

Brand/Cap Color/Volume	Additive	Mode of Action	Uses
BD Red Top (10.0 mL)	Clot activator - plastic None - glass	Blood clots and the serum are separated by centrifugation.	Chemistry, Immunology & Serology, Blood Bank/ crossmatch
BD Gold Top (5.0 mL)	Clot activator and gel for serum separator	Serum separator tube (SST) contains a gel at the bottom to separate blood cells from serum on centrifugation.	Chemistry, Immunology and Serology.
BD Red-Speckled Top (10.0 mL)	Clot activator and gel for serum separator	Serum separator tube (SST) contains a gel at the bottom to separate blood cells from serum on centrifugation.	Serum assays in chemistry
BD Purple Top (3.0 mL)	Spray-coated K ₂ EDTA 5.4 mg (plastic)	Forms calcium salts to remove calcium.	Whole blood analysis in hematology laboratory
BD Light Blue Top (2.7 mL)	0.109M Buff. Sodium Citrate (3.2%) plastic	Forms Calcium salts to remove calcium.	Coagulation Tests
BD Green Top (6.0 mL)	Sodium Heparin 95 USP Units or Lithium Heparin	Inactivates thrombin and thromboplastin.	Lithium level – use sodium heparin Ammonia level – use sodium heparin or lithium heparin
BD Light Grey Top (4.0 mL)	Sodium fluoride/ Potassium oxalate 10mg/8mg	Antiglycolytic agent preserves glucose up to five days.	Glucose (may cause hemolysis if a short draw)
BD Dark Blue Top (6.0 mL)	K ₂ EDTA 10.8 mg	Special stopper formulation offers low levels of trace elements (see package insert).	Trace element (zinc, copper, lead, mercury) toxicology and nutrient determinations
BD Dark Blue Top (6.0 mL)	Clot activator		
BD Orange Top (5.0 mL)	Rapid Serum Separator (RST)	Quickly clots blood.	STAT serum chemistries
BD Pink Top (6.0 mL)	Spray-coated K ₂ EDTA 10.8 mg (plastic)	Forms calcium salts.	Immunohematology (ABO grouping, Rh typing, Antibody screening)
Diesse Black Top vacu-tec (1.0mL)	Sodium citrate (buffered)	Forms calcium salts to remove calcium.	Westergren Sedimentation Rate (ESR)
Vacutette-Greiner Black with yellow insert (5.0 mL)	Serum separator & clot activator	Serum separator tube (SST) contains a gel at the bottom to separate blood cells from serum on centrifugation.	Lipo profile test only
Light Green Top	Lithium Heparin	Plasma separating tube (PST), Blood anticoagulants with lithium heparin; plasma is separated with PST gel at the bottom of the tube.	Chemistry
Yellow Top	ACD (acid citrate dextrose)	Complement inactivation.	HLA tissue typing, paternity testing, DNA studies
Light Brown Top	Sodium heparin	Inactivates thrombin and thromboplastin; contains virtually no lead.	Serum lead determination
White Top	K ₂ EDTA and gel for plasma separation	Forms calcium salts.	Molecular/PCR and bDNA testing