

BD Vacutainer® Venous Blood Collection Tube Guide



Helping all people live healthy lives

For a full line of BD Vacutainer® Specimen Collection Products, visit www.bd.com/vacutainer.

BD Vacutainer® Tubes with BD Hemogard™ Closure	BD Vacutainer® Tubes with Conventional Stopper	Additive	Inversions at Blood Collection*	Laboratory Use	Your Lab's Draw Volume/Remarks
Gold	Red/Black	• Clot activator and gel for serum separation	5	For serum determinations in chemistry. May be used for routine blood donor screening and diagnostic testing of serum for infectious disease.** Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 30 minutes.	
Light Green	Green/Gray	• Lithium heparin and gel for plasma separation	8	BD Vacutainer® PST™ Tube for plasma determinations in chemistry. Tube inversions prevent clotting.	
Red	Red	• None (glass) • Clot activator (plastic)	0 5	For serum determinations in chemistry. May be used for routine blood donor screening and diagnostic testing of serum for infectious disease.** Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 60 minutes.	
Orange	Gray/Yellow	• Thrombin	8	For stat serum determinations in chemistry. Tube inversions ensure complete clotting, which usually occurs in less than 5 minutes.	
Royal Blue		• Clot activator (plastic serum) • K ₂ EDTA (plastic)	8 8 0 5 8	For trace-element, toxicology, and nutritional-chemistry determinations. Special stopper formulation provides low levels of trace elements (see package insert).	
Green	Green	• Sodium heparin • Lithium heparin	8 8	For plasma determinations in chemistry. Tube inversions prevent clotting.	
Gray	Gray	• Potassium oxalate/sodium fluoride • Sodium fluoride/Na ₂ EDTA • Sodium fluoride (serum tube)	8 8 8	For glucose determinations. Oxalate and EDTA anticoagulants will give plasma samples. Sodium fluoride is the antiglycolytic agent. Tube inversions ensure proper mixing of additive and blood.	
Tan		• K ₂ EDTA (plastic)	8 8	For lead determinations. This tube is certified to contain less than .01 µg/mL(ppm) lead. Tube inversions prevent clotting.	
Yellow	Yellow	• Sodium polyanethol sulfonate (SPS) • Acid citrate dextrose additives (ACD): Solution A - 22.0 g/L trisodium citrate, 8.0 g/L citric acid, 24.5 g/L dextrose Solution B - 13.2 g/L trisodium citrate, 4.8 g/L citric acid, 14.7 g/L dextrose	8 8 8	SPS for blood culture specimen collections in microbiology. Tube inversions prevent clotting. ACD for use in blood bank studies, HLA phenotyping, and DNA and paternity testing.	
Lavender	Lavender	• Liquid K ₃ EDTA (glass) • Spray-coated K ₂ EDTA (plastic)	8 8	K ₂ EDTA and K ₃ EDTA for whole blood hematology determinations. K ₂ EDTA may be used for routine immunohematology testing and blood donor screening.*** Tube inversions prevent clotting.	
White		• K ₂ EDTA with gel	8	For use in molecular diagnostic test methods (such as but not limited to polymerase chain reaction [PCR] and/or branched DNA [bDNA] amplification techniques).	
Pink	Pink New	• Spray-coated K ₂ EDTA	8	For whole blood hematology determinations. May be used for routine immunohematology testing and blood donor screening.*** Designed with special cross-match label for patient information required by the AABB. Tube inversions prevent clotting.	
Light Blue	Clear Blue	• Buffered sodium citrate 0.105 M (≈3.2%) glass 0.109 M (≈3.2%) plastic • Citrate, theophylline, adenosine, dipyrindamole (CTAD)	3-4 3-4	For coagulation determinations. CTAD for selected platelet function assays and routine coagulation determination. Tube inversions prevent clotting.	
Clear	Red/Gray New	• None (plastic)	0	For use as a discard tube or secondary specimen collection tube.	

Partial-draw Tubes (2 mL and 3 mL: 13 x 75 mm) Small-volume Pediatric Tubes (2 mL: 10.25 x 47 mm, 3 mL: 10.25 x 64 mm)

Red		• None	0	For serum determinations in chemistry. May be used for routine blood donor screening, immunohematology testing,*** and diagnostic testing of serum for infectious disease.** Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 60 minutes.
Green		• Sodium heparin • Lithium heparin	8 8	For plasma determinations in chemistry. Tube inversions prevent clotting.
Lavender		• Spray-coated K ₂ EDTA (plastic)	8 8	For whole blood hematology determinations. May be used for routine immunohematology testing and blood donor screening.*** Tube inversions prevent clotting.
Light Blue	Light Blue	• 0.105 M sodium citrate (≈3.2%)	3-4	For coagulation determinations. Tube inversions prevent clotting.

BD Diagnostics
Preanalytical Systems
1 Becton Drive
Franklin Lakes, NJ 07417 USA

BD Global Technical Services: 1.800.631.0174
vacutainer_techservices@bd.com
BD Customer Service: 1.888.237.2762
www.bd.com/vacutainer

* Invert gently, do not shake
** The performance characteristics of these tubes have not been established for infectious disease testing in general; therefore, users must validate the use of these tubes for their specific assay-instrument/reagent system combinations and specimen storage conditions.
*** The performance characteristics of these tubes have not been established for immunohematology testing in general; therefore, users must validate the use of these tubes for their specific assay-instrument/reagent system combinations and specimen storage conditions.