## **BD** Vacutainer<sup>®</sup> Venous Blood Collection **Tube Guide**



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

BD Vacutainer <sup>®</sup> Tubes with	BD Vacutainer® Tubes with		Inversions at Blood		Your Lab's
BD Hemogard <sup>™</sup> Closure	Conventional Stopper	Additive (	Collection*	Laboratory Use	Draw Volume/Remarks
Gold	Red/ Black	<ul> <li>Clot activator and gel for serum separation</li> </ul>	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	<ul> <li>Lithium heparin and gel for plasma separation</li> </ul>	8	BD Vacutainer® PST <sup>™</sup> Tube for plasma determinations in chemistry. Tube inversions prevent clotting.	
Red		<ul> <li>None (glass)</li> <li>Clot activator (plastic)</li> </ul>	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.	
-		Clot activator (plastic serun	n) 8	For trace-element, toxicology, and nutritional-	
Royal Blue		• K <sub>2</sub> EDTA (plastic)	8 0 5 8	chemistry determinations. Special stopper formulation provides low levels of trace elements (see package insert).	
Green		<ul><li>Sodium heparin</li><li>Lithium heparin</li></ul>	8 8	For plasma determinations in chemistry. Tube inversions prevent clotting.	
	F	Potassium oxalate/	8	For glucose determinations. Oxalate and EDTA	
Gray	-	sodium fluoride • Sodium fluoride/Na <sub>2</sub> EDTA	8	anticoagulants will give plasma samples. Sodium fluoride is the antiglycolytic agent.	
	1	Sodium fluoride (serum tub		Tube inversions ensure proper mixing of additive and blood.	
Tan		• K <sub>2</sub> EDTA (plastic)	8 8	For lead determinations. This tube is certified to contain less than .01 $\mu$ g/mL(ppm) lead. Tube inversions prevent clotting.	
Yellow		<ul> <li>Sodium polyanethol sulfonate (SPS)</li> <li>Acid citrate dextrose</li> </ul>	8	SPS for blood culture specimen collections in microbiology. Tube inversions prevent clotting.	
		additives (ACD): <b>Solution A -</b> 22.0 g/L trisodium citrate, 8.0 g/L citric acid, 24.5 g/L dextrose	8	ACD for use in blood bank studies, HLA phenotyping, and DNA and paternity testing.	
		<b>Solution B</b> - 13.2 g/L trisodium citrate, 4.8 g/L citric acid, 14.7 g/L dextrose	8		
Lavender		<ul> <li>Liquid K<sub>3</sub>EDTA (glass)</li> <li>Spray-coated K<sub>2</sub>EDTA (plastic)</li> </ul>	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	New	• Spray-coated K <sub>2</sub> 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	<ul> <li>Buffered sodium citrate 0.105 M (≈3.2%) glass 0.109 M (≈3.2%) plastic</li> <li>Citrate, theophylline, adenosine, dipyridamole (CTAD)</li> </ul>	3-4 3-4	For coagulation determinations. CTAD for selected platelet function assays and routine coagulation determination. Tube inversions prevent clotting.	
Clear	New Red/	• 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	<ul><li>Sodium heparin</li><li>Lithium heparin</li></ul>	8 8	For plasma determinations in chemistry. Tube inversions prevent clotting.
Lavender	<ul> <li>Spray-coated K<sub>2</sub>EDTA (plastic)</li> </ul>	8 8	For whole blood hematology determinations. May be used for routine immunohematology testing and blood donor screening.*** Tube inversions prevent clotting.
Light Blue	• 0.105 M sodium citrate (≈3.2%)	3-4	For coagulation determinations. Tube inversions prevent clotting.
BD Diagnostics	BD Global Technical Services: 1.800.631.0174		* Invert gently, do not shake ** The performance characteristics of these tubes have not been established for infectious disease testing in general: therefore users must

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\*\* 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.