

# BD Vacutainer® Venous Blood Collection Tube Guide

For the full array of BD Vacutainer® Blood Collection Tubes, visit [www.bd.com/vacutainer](http://www.bd.com/vacutainer).

Many are available in a variety of sizes and draw volumes (for pediatric applications). Refer to our website for full descriptions.



Helping all people live healthy lives

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
		▪ Clot activator and gel for serum separation	5	For serum determinations in chemistry. May be used for routine blood draws, coagulation and diagnostic testing of serum for infectious disease. Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 30 minutes.	
		▪ Lithium-heparin and gel for plasma separation	8	For plasma determinations in chemistry. Tube inversions ensure mixing of anticoagulants (heparin) with blood to prevent clotting.	
		▪ Silicone-coated glass ▪ Clot activator, silicone-coated plastic	5	For serum determinations in chemistry. May be used for routine blood draws, coagulation and diagnostic testing of serum for infectious disease. Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 450 minutes.	
		▪ Thrombin-based clot activator with gel for serum separation	5 to 6	For clot serum determinations in chemistry. Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 5 minutes.	
		▪ Thrombin-based clot activator	8	For clot serum determinations in chemistry. Tube inversions ensure mixing of clot activator with blood. Blood clotting time: 5 minutes.	
		▪ Clot activator (plastic serum) ▪ K <sub>2</sub> EDTA (plastic)	8	For trace-element, toxicology and nutritional-chemistry determinations. Special stopper formulation provides low levels of trace elements. Tube inversions ensure mixing of either clot activator or anticoagulant (K <sub>2</sub> EDTA) with blood.	
		▪ Sodium-heparin ▪ Lithium-heparin	8	For plasma determinations in chemistry. Tube inversions ensure mixing of anticoagulants (heparin) with blood to prevent clotting.	
		▪ Potassium-muricate, sodium fluoride ▪ Sodium Fluoride-K2EDTA (K2SA) ▪ Sodium Fluoride (serum tube)	8	For glucose determinations. Chelate and EDTA anticoagulants with give plasma samples. Sodium fluoride is the antidiagnostic agent. Tube inversions ensure proper mixing of additive with blood.	
		▪ K <sub>2</sub> EDTA (plastic)	8	For lead determinations. This tube is certified to contain less than 10 µg/mg lead. Tube inversions prevent clotting.	
		▪ Sodium poly(methyl sulfone) (SPS) ▪ Acid citrate dextrose (ACD) <b>Solution A</b> - 22.0 g/L trisodium citrate, 8.0 g/L citric acid, 24.5 g/L glucose <b>Solution B</b> - 13.2 g/L trisodium citrate, 4.8 g/L citric acid, 14.7 g/L dextrose	8	SPS for blood culture specimen collections in microbiology.	
		▪ Liquid K <sub>2</sub> EDTA (glass) ▪ Spray-coated K <sub>2</sub> EDTA (plastic)	8	ACD for use in blood bank studies, HLA, phenotyping, and DNA and paternity testing.	
				Tube inversions ensure mixing of anticoagulants (K <sub>2</sub> EDTA) with blood to prevent clotting.	
		▪ K <sub>2</sub> EDTA and gel for plasma separation	8	For use in molecular diagnostic test methods. (Such as, but not limited to, polymerase chain reaction (PCR) analysis, and DNA (micro)amplification analysis). Tube inversions ensure mixing of anticoagulant (K <sub>2</sub> EDTA) with blood to prevent clotting.	
		▪ Spray-coated K <sub>2</sub> EDTA (plastic)	8	For whole blood hematology determinations. May be used for routine immunochemistry testing and blood donor screening. Each tube is labeled with patient information required by the AABB. Tube inversions prevent clotting.	
		▪ Buffered sodium citrate 0.105 M (0.2%) glass ▪ Citrate, thiophosphate, adenine, dipyridamole (CTAD)	3-6	For coagulation determinations. CTAD for selected platelet function assays and routine coagulation determination. Tube inversions ensure mixing of anticoagulant (citrate) to prevent clotting.	
		▪ None (plastic)	10	For use as a discard tube or secondary specimen tube.	

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Pneumology Systems  
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Franklin Lakes, NJ 07417 USA

BD Global Technical Services: 1-800-631-0174  
BD Customer Service: 1-888-237-2762  
[www.bd.com/vacutainer](http://www.bd.com/vacutainer)

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# Ultimate Guide Tube Recommendations

**Joel Levitt**

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where to start Find guidance and all new galleries of inspiration for finishes Installation New in this edition you can learn how to install a prefab straight run staircase and use epoxy or lay rubber floor tiling to finish cement floors You ll also find updated sections on everything from creating office spaces to media rooms The ground level basement More interested in creating a workshop in your garage Well now you can With this specialty section and newly integrated projects and tips you can learn the best ways to get the garage you ve always wanted Whether you re already underway creating a new addition to your house or looking for a guide to get your creative juices flowing this book is a great fit **Stereophile**, 1995 *The Nature Photographer's Complete Guide to Professional Field Techniques* John Shaw, 1984 From one of America s most gifted photographers comes this field tested handbook Stunning color photographs and a well written text cover everything photographers need to know **The Simon and Schuster Complete Guide to Home Repair and Maintenance** Bernard Gladstone, 1987-05 Many topics are covered including carpentry plumbing furniture repair and electrical systems

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## **Table of Contents Ultimate Guide Tube Recommendations**

1. Understanding the eBook Ultimate Guide Tube Recommendations
  - The Rise of Digital Reading Ultimate Guide Tube Recommendations
  - Advantages of eBooks Over Traditional Books
2. Identifying Ultimate Guide Tube Recommendations
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Ultimate Guide Tube Recommendations
  - User-Friendly Interface
4. Exploring eBook Recommendations from Ultimate Guide Tube Recommendations
  - Personalized Recommendations
  - Ultimate Guide Tube Recommendations User Reviews and Ratings
  - Ultimate Guide Tube Recommendations and Bestseller Lists
5. Accessing Ultimate Guide Tube Recommendations Free and Paid eBooks
  - Ultimate Guide Tube Recommendations Public Domain eBooks
  - Ultimate Guide Tube Recommendations eBook Subscription Services
  - Ultimate Guide Tube Recommendations Budget-Friendly Options

6. Navigating Ultimate Guide Tube Recommendations eBook Formats
  - ePUB, PDF, MOBI, and More
  - Ultimate Guide Tube Recommendations Compatibility with Devices
  - Ultimate Guide Tube Recommendations Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Ultimate Guide Tube Recommendations
  - Highlighting and Note-Taking Ultimate Guide Tube Recommendations
  - Interactive Elements Ultimate Guide Tube Recommendations
8. Staying Engaged with Ultimate Guide Tube Recommendations
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Ultimate Guide Tube Recommendations
9. Balancing eBooks and Physical Books Ultimate Guide Tube Recommendations
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Ultimate Guide Tube Recommendations
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Ultimate Guide Tube Recommendations
  - Setting Reading Goals Ultimate Guide Tube Recommendations
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Ultimate Guide Tube Recommendations
  - Fact-Checking eBook Content of Ultimate Guide Tube Recommendations
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

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