

# BD Vacutainer® System









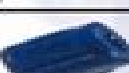
BD Diagnostics - Preanalytical Systems

## Tube Guide including Order of Draw

*Please display this in your clinical areas beside your venepuncture equipment*

**St Vincents University Hospital - PRINTED 05/08**

*Blood samples should be taken in the following order:*

Catalogue Number	Colour Code	Tube Type	Determinations	Special Instructions
		<b>Blood Culture</b>	Aerobic followed by anaerobic - if insufficient blood for both culture bottles, use aerobic bottle only	
Draw Volume	 Light Blue	<b>Sodium Citrate</b>	Coagulation Testing, PT, INR, APTT, D-Dimer, etc	
Draw Volume	 Red	<b>Serum</b>	LDH, Ionised Ca, Drugs (Phenytoin, Theophylline, Methotrexate, Lithium), Vitamin D, Parathyroid Hormone, Osmolality, Bone Markers, Endocrine Testing (excluding Thyroid)	
Draw Volume	 Gold	<b>SST™ II</b>	TSH, FT4, T3, Cortisol, Digoxin, GH, ADNA, Gastrin, B12 Folate, Ferritin, PSA, CEA, AFP, HCG, CA125, CA19.9, CA15.3, Immunoglobulins (IgG, IgA, IgM, IgE), Electrophoresis, B2 Microglobulin, Caeruloplasmin, Infectious Mono, CRP, Thyroid Ab, Liver Ab, Rheumatology, Coeliac Ab	
Draw Volume	 Light Green	<b>PST™ II</b>	UE, LFT, Cardiac Enzymes, Ca, Mg, Phosphate, Uric Acid, Total Protein, Amylase, Lipids, Bone Profile, Troponin, Iron Status, ACE	Please fill tubes to capacity, otherwise samples may not be accepted by the laboratory
Draw Volume	 Lavender	<b>EDTA</b>	Full Blood Count (FBC) and ESR C3 / C4, Haemoglobin A1c, Homocysteine, ACTH	1 tube for FBC & ESR. Separate tubes for each of the other tests. Homocysteine (sent on ice & state time taken)
Draw Volume	 Pink	<b>Cross Match</b>	Blood Transfusion Samples	
Draw Volume	 Grey	<b>Fluoride Oxalate</b>	Glucose	Please mix 8-10 times
Draw Volume	 Royal Blue	<b>Trace Element</b>	Trace Elements	

\*RECOMMENDED ORDER OF DRAW:

1. Blood culture bottles
2. COAGULATION Tubes
3. Tubes with NO ADDITIVES
4. OTHER Tubes with ADDITIVES

For further copies of this guide and questions regarding specific tests, please contact main Pathology Laboratory.

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\*Clinical and Laboratory Standards Institute (Formerly NCCLS) Guidelines H3-A5 Vol 23 No. 32, 5th Edition  
BD Diagnostics - Preanalytical Systems, Tel: 01865 781603

# **Bd Vacutainer System Tube Guide**

**Elaine M. Keohane, Larry Smith, Jeanine  
M. Walenga**



## **Bd Vacutainer System Tube Guide:**

**Clinical Hematology: Theory & Procedures, Enhanced Edition** Mary Lou Turgeon, 2020-06-29 Clinical Hematology Theory Procedures Enhanced Sixth Edition is a competency based text with built in study tools to help you master the theory of clinical hematology and the procedures used to diagnose and treat disorders of the blood and bone marrow *Essentials Of Medical Laboratory Practice* Constance L Lieseke, Elizabeth A Zeibig, 2012-01-31 Inside you ll find a wealth of information on important laboratory terminology and the procedures you ll need to perform to become an effective member of a physician s office team Coverage of the advanced procedures performed outside of the physician s office explains what happens to the samples you send out There s also information on CLIA and other government regulations and how they affect each procedure

**The Phlebotomy Textbook** Susan King Strasinger, Marjorie Schaub Di Lorenzo, 2019-02-25 Rely on this comprehensive resource to master the techniques you need to safely obtain quality specimens You ll understand all the hows and whys that lead to success in this rapidly changing field Inside you ll find the up to date coverage of routine procedures and their complications as well specialized procedures quality and infection control state of the art equipment medical terminology ethical and legal issues body systems and related diagnostic laboratory tests *Hematology - E-Book* Bernadette F. Rodak, Elaine M. Keohane, George A. Fritsma, 2013-12-27 Featuring hundreds of full color photomicrographs Hematology Clinical Principles and Applications prepares you for a job in the clinical lab by exploring the essential aspects of hematology It shows how to accurately identify cells simplifies hemostasis and thrombosis concepts and covers normal hematopoiesis through diseases of erythroid myeloid lymphoid and megakaryocytic origins This book also makes it easy to understand complementary testing areas such as flow cytometry cytogenetics and molecular diagnostics Well known authors Bernadette Rodak George Fritsma and Elaine Keohane cover everything from working in a hematology lab to the parts and functions of the cell to laboratory testing of blood cells and body fluid cells Full color illustrations make it easier to visualize complex concepts and show what you ll encounter in the lab Learning objectives begin each chapter and review questions appear at the end Instructions for lab procedures include sources of possible errors along with comments Case studies provide opportunities to apply hematology concepts to real life scenarios Hematology instruments are described compared and contrasted Coverage of hemostasis and thrombosis includes the development and function of platelets the newest theories of normal coagulation and clear discussions of platelet abnormalities and disorders of coagulation A bulleted summary of important content appears at the end of every chapter A glossary of key terms makes it easy to find and learn definitions Hematology hemostasis reference ranges are listed on the inside front and back covers for quick reference Respected editors Bernadette Rodak George Fritsma and Elaine Keohane are well known in the hematology clinical laboratory science world Student resources on the companion Evolve website include the glossary weblinks and content updates New content is added on basic cell biology and etiology of leukocyte neoplasias Updated Molecular Diagnostics

chapter keeps you current on techniques being used in the lab Simplified hemostasis material ensures that you can understand this complex and important subject Coverage of morphologic alteration of monocytes macrophages is condensed into a table as the disorders in this grouping are more of a biochemical nature with minimal hematologic evidence

**Rodak's Hematology - E-Book** Elaine M. Keohane,Larry Smith,Jeanine M. Walenga,2015-02-19 Featuring hundreds of full color photomicrographs Rodak s Hematology Clinical Principles and Applications 5th Edition prepares you for a job in the clinical lab by exploring the essential aspects of hematology It shows how to accurately identify cells simplifies hemostasis and thrombosis concepts and covers normal hematopoiesis through diseases of erythroid myeloid lymphoid and megakaryocytic origins This text also makes it easy to understand complementary testing areas such as flow cytometry cytogenetics and molecular diagnostics Clinical lab experts Elaine Keohane Larry Smith and Jeanine Walenga also cover key topics such as working in a hematology lab the parts and functions of the cell and laboratory testing of blood cells and body fluid cells Instructions for lab procedures include sources of possible errors along with comments Case studies in each chapter provide opportunities to apply hematology concepts to real life scenarios Hematology instruments are described compared and contrasted UPDATED full color illustrations make it easier to visualize hematology concepts and show what you ll encounter in the lab with images appearing near their mentions in the text so you don t have to flip pages back and forth Hematology hemostasis reference ranges are listed on the inside front and back covers for quick reference A bulleted summary makes it easy to review the important points in every chapter Learning objectives begin each chapter and indicate what you should achieve with review questions appearing at the end A glossary of key terms makes it easy to find and learn definitions NEW coverage of hematogones in the chapter on pediatric and geriatric hematology helps you identify these cells a skill that is useful in diagnosing some pediatric leukemias UPDATED chapter on molecular diagnostics covers new technology and techniques used in the lab

**Rodak's Hematology** Elaine M. Keohane,Larry Smith,Jeanine M. Walenga,2015-02-20 Featuring hundreds of full color photomicrographs Rodak s Hematology Clinical Principles and Applications 5th Edition prepares you for a job in the clinical lab by exploring the essential aspects of hematology It shows how to accurately identify cells simplifies hemostasis and thrombosis concepts and covers normal hematopoiesis through diseases of erythroid myeloid lymphoid and megakaryocytic origins This text also makes it easy to understand complementary testing areas such as flow cytometry cytogenetics and molecular diagnostics Clinical lab experts Elaine Keohane Larry Smith and Jeanine Walenga also cover key topics such as working in a hematology lab the parts and functions of the cell and laboratory testing of blood cells and body fluid cells Instructions for lab procedures include sources of possible errors along with comments Case studies in each chapter provide opportunities to apply hematology concepts to real life scenarios Hematology instruments are described compared and contrasted UPDATED full color illustrations make it easier to visualize hematology concepts and show what you ll encounter in the lab with images appearing near their mentions in the

text so you don't have to flip pages back and forth Hematology hemostasis reference ranges are listed on the inside front and back covers for quick reference A bulleted summary makes it easy to review the important points in every chapter Learning objectives begin each chapter and indicate what you should achieve with review questions appearing at the end A glossary of key terms makes it easy to find and learn definitions NEW coverage of hematopoiesis in the chapter on pediatric and geriatric hematology helps you identify these cells a skill that is useful in diagnosing some pediatric leukemias UPDATED chapter on molecular diagnostics covers new technology and techniques used in the lab Linne & Ringsrud's Clinical Laboratory Science - E-Book Mary Louise Turgeon, 2015-02-10 Using a discipline by discipline approach Linne perforated pages make it easy for students to remove for use in the lab and for assignment of review questions as homework NEW Instrumentation updates show new technology being used in the lab NEW Additional key terms in each chapter cover need to know terminology NEW Additional tables and figures in each chapter clarify clinical lab science concepts **Clinician's Pocket Reference, 11th Edition** Leonard G. Gomella, Steven A. Haist, 2009-08-18 This well known entry in the LANGE series is a true must have for third and fourth year medical students Revised format and design delivers bulleted concise information as well as numerous flow charts and tables Thoroughly updated and revised with particular attention on topics such as clinical microbiology critical care emergencies and commonly used medications **Phlebotomy Handbook** Diana Garza, Kathleen Becan-McBride, 2002 This book is the most accurate and current source of blood and specimen collection information for today's health care professionals Designed to provide health care professionals with clinical technical and communication skills and knowledge Features sections devoted to safety equipment and collection special procedures and point of care testing and quality and legal issues and the latest information about the standards related to the Needlestick Prevention Act Includes additional information about the risks and hazards to health care workers who collect blood specimens Extensive discussion of age related competencies trans cultural communication and nonverbal and verbal communication strategies Clinical alerts provided in each chapter warn readers about potentially dangerous situations in a procedure process or patient condition **Clinical Hematology** Mary Louise Turgeon, 2005 This established entry level hematology text enters its Fourth Edition with even more of the focused coverage and learning tools that have made it so successful Well illustrated and reader friendly the book features extensive study and review tools including learning objectives case studies procedure boxes and review questions The fully updated Fourth Edition includes new material on safety issues transplants sickle cell anemia and genetic diagnostics New chapters address flow cytometry cytochemistry and hemostasis and coagulation Chapter summaries have been boxed for rapid reference and this edition includes an expanded 16 page color insert Midwest *Hematology* Bernadette F. Rodak, 2002 With vivid full color illustrations throughout Hematology Clinical Principles and Applications explores all the essential aspects of hematology It covers normal hematopoiesis through diseases of erythroid myeloid lymphoid and megakaryocytic origins In addition this book thoroughly examines hemostasis and coagulation

including theory and testing plus instrumentation New coverage of technology and research ensure that you get the most current information available BOOK JACKET      **Clinical Laboratory Reference** ,2007 Laboratory products and services currently available in the United States Product information section arranged alphabetically by companies Entries include description and ordering information Indexes by manufactures brand names and test equipment and services Product photograph section      **Encyclopedia of Medical Devices and Instrumentation, Alloys, Shape Memory - Brachytherapy, Intravascular** John G. Webster,2006-04-07 The articles in The Encyclopedia of Medical Devices and Instrumentation focus on what is currently useful or is likely to be useful in future medicine They answer the question What are the branches of medicine and how does technology assist each of them Articles focus on the practice of medicine that is assisted by devices rather than including for example the use of drugs to treat disease The title is the only resource on the market dealing with the subject in encyclopedic detail Accessible to practitioners with a broad range of backgrounds from students to researchers and physicians Articles cover the latest developments such as nanotechnology fiber optics and signal processing      *American Laboratory* ,2006      **The Defense of the Criminal Offense** ,2007      **American Biotechnology Laboratory** ,2006      **Film Reference Guide for Medicine and Allied Sciences** United States. Federal Advisory Council on Medical Training Aids,1963      Film Reference Guide for Medicine and Allied Sciences ,1964      **American Journal of Veterinary Research** ,2011 Vols for 1956 include selected papers from the proceedings of the American Veterinary Medical Association      **Science Citation Index** ,1992 Vols for 1964 have guides and journal lists

## **Bd Vacutainer System Tube Guide** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has be evident than ever. They have the capacity to inspire, provoke, and ignite change. Such may be the essence of the book **Bd Vacutainer System Tube Guide**, a literary masterpiece that delves deep into the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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### **Table of Contents Bd Vacutainer System Tube Guide**

1. Understanding the eBook Bd Vacutainer System Tube Guide
  - The Rise of Digital Reading Bd Vacutainer System Tube Guide
  - Advantages of eBooks Over Traditional Books
2. Identifying Bd Vacutainer System Tube Guide
  - 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 Bd Vacutainer System Tube Guide
  - User-Friendly Interface
4. Exploring eBook Recommendations from Bd Vacutainer System Tube Guide
  - Personalized Recommendations
  - Bd Vacutainer System Tube Guide User Reviews and Ratings
  - Bd Vacutainer System Tube Guide and Bestseller Lists

5. Accessing Bd Vacutainer System Tube Guide Free and Paid eBooks
  - Bd Vacutainer System Tube Guide Public Domain eBooks
  - Bd Vacutainer System Tube Guide eBook Subscription Services
  - Bd Vacutainer System Tube Guide Budget-Friendly Options
6. Navigating Bd Vacutainer System Tube Guide eBook Formats
  - ePub, PDF, MOBI, and More
  - Bd Vacutainer System Tube Guide Compatibility with Devices
  - Bd Vacutainer System Tube Guide Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Bd Vacutainer System Tube Guide
  - Highlighting and Note-Taking Bd Vacutainer System Tube Guide
  - Interactive Elements Bd Vacutainer System Tube Guide
8. Staying Engaged with Bd Vacutainer System Tube Guide
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Bd Vacutainer System Tube Guide
9. Balancing eBooks and Physical Books Bd Vacutainer System Tube Guide
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Bd Vacutainer System Tube Guide
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Bd Vacutainer System Tube Guide
  - Setting Reading Goals Bd Vacutainer System Tube Guide
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Bd Vacutainer System Tube Guide
  - Fact-Checking eBook Content of Bd Vacutainer System Tube Guide
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning



- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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sae8620 the gear and pinion using agma and fem analysis method

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web gear hobbing machine is a special milling equipment widely preferred in the gear production industry the rotating velocity and speed must be synchronized with the gear blank for teeth formation in this technique the gear blank workpiece is fed towards the gear bank until the desired depth is not achieved this process repeats until all the

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web the different types of gear hobbing are hobbing with axial feed hobbing with radial feed or hobbing with tangential feed axial feed is when the hob is fed along the face of the blank and parallel to axis this method is used in spur and helical gear manufacture radial feed is when the gear blank and hob axes are set normal to each other

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web nov 21 2023 gear hobbing is most fruitful processes of spur gears the gear height is a result of the quality of the tools the accuracy of the working piece the tool folding and the kinematics of the machine measuring what gear quality is possible on a mixing machine with a provided hob helps to simulate the process in advance

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web hobbing is a machining process for gear cutting cutting splines and cutting sprockets using a hobbing machine a specialized milling machine the teeth or splines of the gear are progressively cut into the material such as a flat cylindrical piece of metal or thermoset plastic by a series of cuts made by a cutting tool called a

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web the g series offers a wide variety of gear hobbing machines for many kinds of products such as automobiles aircraft ships and turbine generators medium size gear hobbing machine gd30

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web jun 15 2023 the differential and index gears in a conventional manual hobbing machine working to produce a double helical gear courtesy regal rexnord like the hobbing machines themselves gear cutting tools have also evolved into more productive and efficient pieces of tooling

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web nidec machine tool america offers a wide variety of cnc controlled gear hobbing machines to meet the requirements of the high volume producer as well as the small lot job shop ranging in part sizes from 10mm to 1 000mm you can find an nmta machine that will cut your gear

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web lc 200 500 the machine concept machine concept liebherr hobbing machines are optimized for universal gear applications our high performance hobbing machines are productive and machine in the highest quality 6 cnc axes optimised stiffness of the machine bed with fe analysis model thermo symmetrical machine design for constant

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web 18 fig 1 a b 38 gear technology cessive cuts on the workpiece with the work piece in a slightly different position for each cut see fig 1b several cutting edge of the tool will be cutting at the same time the hob is basically a worm with gashes cut axially across it to produce these cutting edges

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