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
		Blood Culture	Aerobic followed by anaerobic - if insufficient blood for both culture bottles, use aerobic bottle only	55
Draw Volume	Logita Elike	Sodium Citrate	Coagulation Testing, PT, INR, APTT, D-Dimer, etc	
Draw Volume	Red	Serum	LDH, Ionised Ca, Drugs (Phenytoin, Theophylline, Methotrexate, Lithium), Vitamin D, Parathyroid Hormone, Osmolality, Bone Markers, Endocrine Testing (excluding Thyroid)	
Draw Volume	Codel	SST™II	TSH, FT4, T3, Cortisol, Digoxin, GH, ADNA, Gastrin, B12 Folate, Ferritlin, PSA, CEA, AFP, HCG, CA125, CA19.9, CA15.3, Immunoglobulins (IgG, IgA, IgA!, IgE), Electrophoresis, B2 Microglobulin, Caeruloplasmin, Infectious Mono, CRP, Thyroid Ab, Liver Ab, Rheumatology, Coeliac Ab	1/2/
Draw Volume	Light Green	PST™II	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	Lawrender	EDTA	Full Blood Count (FBC) and ESR C3 / C4, Haemoglobin A1c, Homocysteine, ACTH	I tube for FBC & ESR. Separate tubes for each of the other tests. Homocysteine (sent on ice & state time taken)
Draw Volume	Prek	Cross Match	Blood Transfusion Samples	
Draw Volume	Cong	Fluoride Oxalate	Glucose	Please mix 8-10 times
Draw Volume	Royal Blue	Trace Element	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-AS Vol 23 No. 32, 5th Edition
BD Diagnostics - Premalytical Systems, Tel: 01865 781603

Bd Vacutainer System Tube Guide

Diana Garza, Kathleen Becan-McBride

Bd Vacutainer System Tube Guide:

Phlebotomy Notes Susan King Strasinger, Marjorie Schaub Di Lorenzo, 2019-12-12 This pocket sized reference provides great information on phlebotomy techniques with nice summaries of procedures with many photos and illustrations It is ideal for clinical rotations for quick review of coursework and to study in preparation for your certification exam 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** <u>Laboratory Practice</u> 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 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 guick 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 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

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 Clinical Hematology: Principles, Applications, and Molecular Concepts Mary Louise Turgeon, 2025-03-05 Clinical Hematology features strong pedagogy that sets the quality benchmark for hematology competency based content needed by MLT and MLS students and is informed by and mapped to ASCLS Entry Level and Professional Body of Knowledge competencies in hematology hemostasis and coagulation and molecular applications Study Guide and Procedure Checklist Manual for Kinn's The Clinical Medical Assistant - E-Book Deborah B. Proctor, Brigitte Niedzwiecki, Julie Pepper, Martha (Marti) Garrels, Helen Mills, 2016-06-07 Get more practice with the essential medical assisting job skills Designed to support Kinn s The Clinical Medical Assistant An Applied Learning Approach 13th Edition Kinn's The Clinical Medical Assistant Study Guide and Procedure Checklist Manual Package An Applied Learning Approach 13th Edition offers a wide range of exercises to reinforce your understanding of common clinical skills including CAAHEP and ABHES competencies A variety of exercises test your knowledge and critical thinking skills with vocabulary review multiple choice fill in the blank and true false questions Additional exercises enhance learning with skills and concepts word puzzles case studies workplace applications and Internet activities Procedure checklists help you track

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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 - 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

Accurate Results in the Clinical Laboratory Amitava Dasgupta, Jorge L. Sepulveda, 2019-07-20 Accurate Results in the Clinical Laboratory A Guide to Error Detection and Correction Second Edition provides a comprehensive review of the factors leading to errors in all areas of clinical laboratory testing This trusted guide addresses interference issues in all laboratory tests including patient epigenetics processes of specimen collection enzymes and biomarkers Clinicians and laboratory scientists will both benefit from this reference that applies discussions to both accurate specimen analysis and optimal patient care Hence this is the perfect reference for clinical laboratorians from trainees to experienced pathologists and directors Provides comprehensive coverage across endocrine oncology hematology immunohistochemistry immunology serology microbiology and molecular testing Includes new case studies that highlight clinical relevance and errors to avoid Highlights the best titles published within a variety of medical specialties Reviewed by medical librarians and content specialists with key selections compiled in their annual list <u>Linne & Ringsrud's Clinical Laboratory Science - E-Book Mary</u> 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 Henry's Clinical Diagnosis and Management by Laboratory Methods E-Book Richard A. McPherson, Matthew R. Pincus, 2011-09-06 Recognized as the definitive book in laboratory medicine since 1908 Henry s Clinical Diagnosis and Management by Laboratory Methods edited by Richard A McPherson MD and Matthew R Pincus MD PhD is a comprehensive multidisciplinary pathology reference that gives you state

of the art guidance on lab test selection and interpretation of results Revisions throughout keep you current on the latest topics in the field such as biochemical markers of bone metabolism clinical enzymology pharmacogenomics and more A user friendly full color layout puts all the latest most essential knowledge at your fingertips Update your understanding of the scientific foundation and clinical application of today s complete range of laboratory tests Get optimal test results with quidance on error detection correction and prevention as well as cost effective test selection Reference the information you need quickly and easily thanks to a full color layout many new color illustrations and visual aids and an organization by organ system Master all the latest approaches in clinical laboratory medicine with new and updated coverage of the chemical basis for analyte assays and common interferences lipids and dyslipoproteinemia markers in the blood for cardiac injury evaluation and related stroke disorders coagulation testing for antiplatelet drugs such as aspirin and clopidogrel biochemical markers of bone metabolism clinical enzymology hematology and transfusion medicine medical microbiology body fluid analysis and many other rapidly evolving frontiers in the field Effectively monitor the pace of drug clearing in patients undergoing pharmacogenomic treatments with a new chapter on this groundbreaking new area Apply the latest best practices in clinical laboratory management with special chapters on organization work flow quality control interpretation of results informatics financial management and establishing a molecular diagnostics laboratory Confidently prepare for the upcoming **Hematology** Bernadette F. Rodak, 2002 With vivid full recertification exams for clinical pathologists set to begin in 2016 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 Fundamentals of Clinical Chemistry and Molecular Diagnostics - E-Book Nader Rifai, 2018-10-31 Get the foundational knowledge you need to successfully work in a real world clinical lab with Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics 8th Edition From highly respected clinical chemistry expert Nader Rifai this condensed easier to understand version of the acclaimed Tietz Textbook of Clinical Chemistry and Molecular Diagnostics uses a laboratory perspective to guide you through selecting and performing diagnostic lab tests and accurately evaluating the results Coverage includes laboratory principles analytical techniques instrumentation analytes pathophysiology and more This eighth edition features new clinical cases from The Coakley Collection new questions from The Deacon's Challenge of Biochemical Calculations Collection plus new content throughout the text to ensure you stay ahead of all the latest techniques instrumentation and technologies Condensed version of the clinical chemistry bible offers the same authoritative and well presented content in a much more focused and streamlined manner Coverage of analytical techniques and instrumentation includes optical techniques electrochemistry electrophoresis chromatography mass spectrometry

enzymology immunochemical techniques microchips automation and point of care testing Updated chapters on molecular diagnostics cover the principles of molecular biology nucleic acid techniques and applications and genomes and nucleic acid alterations reflecting the changes in this rapidly evolving field Learning objectives key words and review questions are included in each chapter to support learning More than 500 illustrations plus easy to read tables help readers better understand and remember key concepts NEW Clinical Cases from The Coakley Collection use real life scenarios to demonstrate how concepts from the text will come in to play in real life practice NEW Questions from The Deacon s Challenge of Biochemical Calculations Collection help reinforce concepts and help readers critical thinking skills NEW Updated content throughout the text keeps readers up to date on the latest techniques instrumentation and technologies NEW New lead author Nader Rifai lends his expertise as the Director of Clinical Chemistry at Children's Hospital in Boston the Editor in Chief of the journal Clinical Chemistry and a Professor of Pathology at Harvard University 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 Resolving Erroneous Reports in Toxicology and Therapeutic Drug Monitoring Amitava Dasgupta, 2012-07-02 The tools for detecting false positives false negatives and interference in interactions when testing and monitoring therapeutic drug use For physicians monitoring a patient s progress efficacy of treatment is often linked to a patient s response to medication Determining whether a patient is taking the prescribed amount the drug or dosage is effective or the prescribed medication is interacting with other drugs can be determined through drug testing Written as a guide for toxicologists chemists and health professionals involved in patient care Resolving Erroneous Reports in Toxicology and Therapeutic Drug Monitoring provides an up to date introduction to the tests and methodologies used in a toxicology lab as well as the sources of testing error that can lead to false positives false negatives and unreliable conclusions of drug abuse or under use Covering a host of common therapeutic drugs as well as specific types of interference in immunoassays used in drug testing the book details a number of possible testing scenarios and problems as well as solutions False positive results in immunoassays for drugs in abuse testing Interferences in immunoassays used for monitoring anticonvulsants tricyclic antidepressants and digoxin False positive alcohol tests using breath analyzers and automated analyzers When a toxicology report is negative in a suspected overdose patient the world of designer drugs Effects of drug herb interactions on therapeutic drug monitoring Pharmacogenomics and the general principles of genetic analysis Approaches for eliminating interference discordant specimen in therapeutic drug monitoring and drugs in abuse testing What to do in case there is no readily available method for testing Complete with easy to read tables and flowcharts this book helps toxicologists clinical chemists clinical pathologists and forensic pathologists develop accurate unbiased drug monitoring and toxicology reports Health care professionals involved in patient care especially of

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In a global driven by information and connectivity, the power of words has are more evident than ever. They have the ability to inspire, provoke, and ignite change. Such could be the essence of the book **Bd Vacutainer System Tube Guide**, a literary masterpiece that delves deep to the significance of words and their affect our lives. Written 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 affect readers.

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