

ascp mls study guide

****The Ultimate ASCP MLS Study Guide: Your Path to Certification Success****

ascp mls study guide resources are essential tools for anyone preparing to take the American Society for Clinical Pathology (ASCP) Medical Laboratory Scientist (MLS) certification exam. Whether you're a recent graduate or a professional looking to validate your expertise, having a structured and comprehensive study plan can make all the difference. In this guide, we'll explore key strategies, recommended materials, and effective tips to help you confidently navigate the exam and boost your chances of passing with flying colors.

Understanding the ASCP MLS Certification Exam

Before diving into the study materials, it's important to understand what the ASCP MLS exam entails. This certification is recognized nationwide and is crucial for laboratory professionals aiming to demonstrate their competence in medical laboratory science.

What the Exam Covers

The ASCP MLS exam tests a broad range of laboratory skills and knowledge, including:

- ****Hematology:**** Understanding blood components, cell morphology, and coagulation.
- ****Immunology:**** Principles of immune response and immunological testing.
- ****Clinical Chemistry:**** Analysis of bodily fluids and biochemical testing.
- ****Microbiology:**** Identification of pathogens and antimicrobial susceptibility testing.
- ****Blood Banking:**** Blood typing, crossmatching, and transfusion protocols.
- ****Laboratory Operations:**** Quality control, safety, and laboratory management.

Knowing these domains helps you focus your studies effectively and identify areas where you might need extra attention.

Building Your ASCP MLS Study Guide

Creating a personalized study guide tailored to your learning style can transform your preparation experience. Here's how to start building a solid foundation.

Gather Quality Study Materials

Investing in high-quality resources is a wise first step. Commonly recommended materials include:

- **ASCP's Official MLS Exam Content Guide:** This outlines the exam blueprint and weighting of each content area.
- **Textbooks:** Titles like *Clinical Laboratory Science Review* by Patsy Jarreau and *Basic Skills in Interpreting Laboratory Data* by Pamela Smith offer detailed explanations.
- **Review Books:** Concise review guides such as *Mosby's Review for the MLS Exam* provide practice questions and summaries.
- **Online Question Banks:** Platforms like LabCE or Pocket Prep offer thousands of practice questions mimicking the real exam's format.
- **Flashcards:** Useful for memorizing key concepts, terminologies, and lab values.

Organize a Study Schedule

Consistency is key when preparing for the ASCP MLS exam. Plan a realistic timeline that covers all exam topics and allows for review and practice exams. Breaking your study sessions into manageable chunks—say, dedicating one week per major content area—can help prevent burnout.

Effective Study Techniques for the ASCP MLS Exam

Not all study methods are created equal. Using varied and active learning strategies can improve retention and understanding.

Active Recall and Spaced Repetition

Instead of passively reading, engage actively with the material. Testing yourself with flashcards or practice questions forces your brain to retrieve information, reinforcing memory. Spaced repetition—reviewing material at increasing intervals—helps move knowledge from short-term to long-term memory.

Practice with Simulated Exams

Taking full-length practice exams under timed conditions is one of the best ways to prepare. This approach helps:

- Familiarize yourself with the exam interface and question formats.
- Identify your strengths and weaknesses.
- Build stamina for the several-hour testing session.
- Reduce anxiety by simulating the real test environment.

Group Study and Discussion

Engaging with peers through study groups or online forums can provide new insights and clarify difficult concepts. Explaining topics to others is also a powerful way to reinforce your own understanding.

Common Challenges and How to Overcome Them

Preparing for the ASCP MLS exam is demanding, but knowing common hurdles can help you stay on track.

Information Overload

The breadth of topics can feel overwhelming. Prioritize high-yield subjects and use the exam content outline to guide your focus. Avoid trying to memorize everything; instead, aim for conceptual understanding.

Time Management

Balancing study with work and personal life is tricky. Use planners or digital calendars to schedule study sessions and set achievable daily or weekly goals.

Test Anxiety

Feeling anxious before or during the exam is normal. Techniques such as deep breathing exercises, mindfulness, and positive visualization can calm nerves. Remember that thorough preparation is your best defense against anxiety.

Additional Tips for Maximizing Your ASCP MLS Study Guide

Leverage Online Resources and Communities

Websites, forums, and social media groups dedicated to ASCP MLS candidates can offer support, advice, and resources. Engaging with these communities can keep you motivated and informed about any exam updates.

Focus on Laboratory Math and Calculations

Many candidates find laboratory math challenging. Dedicate extra time to mastering calculations related to dilutions, concentrations, and unit conversions, as these are frequently tested.

Understand the Clinical Context

Linking laboratory principles to clinical scenarios not only aids memory but also prepares you for the applied nature of exam questions. Think about how lab results influence patient care and diagnostic decisions.

Maintaining Momentum and Staying Motivated

Studying for a certification exam like the ASCP MLS can be a marathon rather than a sprint. Celebrate small victories, such as completing a chapter or scoring well on a practice test. Keep your end goal in mind—the professional growth and career opportunities that come with certification.

Incorporating breaks, exercise, and proper nutrition will keep your mind sharp and reduce burnout. Remember that perseverance is often the deciding factor in exam success.

Embarking on your journey with a well-crafted ASCP MLS study guide brings clarity and confidence to the certification process. By combining a structured study plan, quality resources, and effective learning techniques, you position yourself for success in this challenging but rewarding exam. The knowledge and skills you gain will not only help you pass the test but also excel as a competent and valued medical laboratory scientist.

Frequently Asked Questions

What is the ASCP MLS exam and why is a study guide important?

The ASCP MLS exam is a certification test for Medical Laboratory Scientists administered by the American Society for Clinical Pathology. A study guide is important because it helps candidates review key concepts, laboratory techniques, and clinical knowledge necessary to pass the exam.

What topics are typically covered in an ASCP MLS study guide?

An ASCP MLS study guide typically covers topics including hematology, immunology, microbiology, clinical chemistry, blood banking, molecular diagnostics, and laboratory operations.

Are there any recommended ASCP MLS study guides for 2024?

Yes, some recommended ASCP MLS study guides for 2024 include 'McGraw-Hill's ASCP MLS Certification Study Guide,' 'P.A.C.E. Review for the ASCP MLS Exam,' and online resources like LabCE and ASCP's own study materials.

How can I effectively use an ASCP MLS study guide to prepare for the exam?

To effectively use an ASCP MLS study guide, create a study schedule, focus on weaker subjects, practice with sample questions, review key concepts regularly, and supplement your study with hands-on laboratory experience.

Are there any online resources or apps that complement the ASCP MLS study guide?

Yes, online resources like LabCE, Quizlet flashcards, and mobile apps designed for ASCP MLS exam preparation can complement study guides by providing practice questions, quizzes, and interactive learning tools.

Additional Resources

****Mastering the ASCP MLS Exam: An In-Depth Look at the ASCP MLS Study Guide****

ascp mls study guide resources are indispensable tools for laboratory professionals preparing to take the American Society for Clinical Pathology Medical Laboratory Scientist (ASCP MLS) certification exam. As the healthcare industry continues to emphasize competency and standardized qualifications, obtaining the ASCP MLS credential has become a critical step for many clinical laboratory scientists seeking to validate their skills and advance their careers. Selecting an effective study guide is often the difference between success and prolonged preparation periods, making it essential to understand the features, strengths, and limitations of available study materials.

Understanding the ASCP MLS Exam and Its Requirements

The ASCP MLS certification exam assesses the knowledge and skills of medical laboratory scientists in various domains, including hematology, microbiology, chemistry, immunology, and molecular diagnostics. Passing this exam not only demonstrates proficiency but also is often required for employment or promotion within clinical laboratory settings.

Given the breadth and depth of the exam content, candidates must engage with study materials that cover foundational knowledge, practical applications, and test-taking strategies. The ASCP MLS study guide is designed to provide a structured approach to this preparation, often incorporating review questions, practice tests, and detailed explanations of complex topics.

Key Components of an Effective ASCP MLS Study Guide

Not all study guides are created equal, and understanding what constitutes a comprehensive resource is essential. A well-rounded ASCP MLS study guide typically includes:

- **Comprehensive Content Review:** Detailed explanations of core laboratory science topics aligned with the ASCP exam blueprint.
- **Practice Questions:** A variety of question formats that mirror the exam style, allowing candidates to familiarize themselves with the question types they will encounter.
- **Test-Taking Strategies:** Guidance on time management, question analysis,

and techniques to reduce test anxiety.

- **Updated Information:** Reflecting the latest advances in laboratory science and any changes in ASCP exam content or format.
- **Supplementary Resources:** Access to online quizzes, flashcards, and sometimes video lectures to cater to different learning preferences.

Comparing Popular ASCP MLS Study Guides

Several study guides have gained recognition among ASCP MLS candidates for their effectiveness and user-friendly design. Popular options include the "ASCP Board of Certification Study Guide," "Mometrix Test Preparation," and "Mosby's Medical Laboratory Science Examination Review." Each offers unique features suited to different study styles and needs.

ASCP Board of Certification Study Guide

Published directly by the American Society for Clinical Pathology, this guide offers authoritative content aligned closely with the exam's content outline. Its strengths lie in the accuracy and reliability of information, making it a preferred choice for candidates seeking official materials.

Pros:

- Direct alignment with ASCP exam specifications
- Comprehensive content coverage
- Includes practice questions with detailed answers

Cons:

- Less focus on test-taking strategies
- Relatively dense, which may be overwhelming for some learners

Mometrix Test Preparation

Mometrix offers a more approachable study guide with concise explanations and a strong emphasis on practice questions. Their materials often include mnemonic devices and memory aids.

Pros:

- User-friendly language and layout

- Includes online practice tests
- Good for quick reviews and reinforcing concepts

Cons:

- May lack depth in highly specialized topics
- Less comprehensive than official ASCP guides

Mosby's Medical Laboratory Science Examination Review

This guide is praised for its detailed explanations and clinical correlations, making it beneficial for those who want to understand how laboratory science applies to patient care.

Pros:

- Strong clinical focus
- Includes case studies and application questions
- Helpful for integrating theory with practice

Cons:

- May be more time-consuming due to extensive content
- Less emphasis on test-taking strategies

Maximizing the Use of an ASCP MLS Study Guide

Selecting a study guide is only the beginning. To optimize exam preparation, candidates should consider integrating the study guide with complementary resources and strategies.

Developing a Study Schedule

Given the extensive content covered by the ASCP MLS exam, a structured study plan is crucial. Breaking down topics into manageable sections and allocating time for review and practice tests can enhance retention and reduce burnout.

Incorporating Practice Exams

Practice exams simulate the testing environment and help identify areas needing improvement. Many ASCP MLS study guides include practice questions, but supplementing these with online practice tests or question banks can provide additional exposure.

Utilizing Supplementary Materials

Flashcards, video tutorials, and group study sessions can reinforce concepts introduced in the study guide. These resources cater to different learning styles and can help clarify challenging topics.

Factors to Consider Before Choosing an ASCP MLS Study Guide

When investing time and resources into exam preparation materials, it is important to weigh several factors:

- **Alignment with Exam Blueprint:** Ensure the study guide reflects the current ASCP MLS exam content and format.
- **Depth vs. Brevity:** Decide whether a comprehensive review or a concise refresher better suits your learning style and time availability.
- **Practice Resources:** Access to practice questions and simulated exams is vital for testing knowledge and building confidence.
- **Cost and Accessibility:** Budget constraints and availability of digital or print formats may influence your choice.

The Role of Technology in ASCP MLS Exam Preparation

Modern study guides increasingly incorporate digital platforms, enhancing interactivity and convenience. Mobile apps, online quizzes, and video lectures complement traditional text-based guides, allowing candidates to study flexibly and engage with content in varied formats.

Moreover, online forums and social media groups provide peer support, enabling candidates to share study tips, clarify doubts, and stay motivated throughout the preparation process.

The integration of technology reflects a broader trend in professional certification preparation, where adaptive learning tools and analytics help personalize study plans and track progress.

The ASCP MLS study guide remains a cornerstone for exam preparation, but leveraging technology and diverse resources can create a more robust and effective study experience.

The journey toward ASCP MLS certification is challenging but navigable with the right tools and strategies. By carefully selecting a study guide that aligns with individual needs and supplementing it with practical resources, candidates can approach the exam with confidence and a solid foundation of knowledge.

Ascp Mls Study Guide

ascp mls study guide: *ASCP MLS Exam: Practice Questions* The Examelot Team, 2021-05-19 Prepare for the ASPC BOC Medical Laboratory Scientist exam with this big unofficial book of practice questions. There are 300 questions to practice with, making this book the ideal exam preparation tool. The questions are in a format and style similar to those included on the BOC certification examinations. The questions are arranged into seven chapters corresponding to the seven content areas on the examination. These seven content areas are: Blood banking Urinalysis and other body fluids Chemistry Hematology Immunology Microbiology Laboratory operations

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ascp mls study guide: Medical Laboratory Science Exam Secrets Study Guide: MLS Exam Review and Practice Test for the Ascp Medical Laboratory Scientist Certification Test Mometrix, 2023-01-31 Mometrix Test Preparation's Medical Laboratory Science Exam Secrets Study Guide is the ideal prep solution for anyone who wants to pass their Medical Laboratory Science Exam. The exam is extremely challenging, and thorough test preparation is essential for success. Our study guide includes: * Practice test questions with detailed answer explanations * Tips and strategies to help you get your best test performance * A complete review of all MLS test sections Mometrix Test Preparation is not affiliated with or endorsed by any official testing organization. All organizational and test names are trademarks of their respective owners. The Mometrix guide is filled with the critical information you will need in order to do well on your MLS exam: the concepts, procedures, principles, and vocabulary that the American Society for Clinical Pathology (ASCP) expects you to have mastered before sitting for your exam. Test sections include: * Blood Banking * Urinalysis and Other Body Fluids * Chemistry * Hematology * Immunology * Microbiology * Laboratory Operations ...and much more! Our guide is full of specific and detailed information that will be key to passing your exam. Concepts and principles aren't simply named or described in passing, but are explained in detail. The Mometrix MLS study guide is laid out in a logical and organized fashion so that one section naturally flows from the one preceding it. Because it's written with an eye for both technical accuracy and accessibility, you will not have to worry about getting lost in dense academic language. Any test prep guide is only as good as its practice questions and answer explanations, and that's another area where our guide stands out. The Mometrix test prep team has provided plenty of MLS practice test questions to prepare you for what to expect on the actual exam. Each answer is explained in depth, in order to make the principles and reasoning behind it crystal clear. We've helped hundreds of thousands of people pass standardized tests and achieve their education and career goals. We've done this by setting high standards for Mometrix Test Preparation guides, and our Medical Laboratory Science Exam Secrets Study Guide is no exception. It's an excellent investment in your future. Get the MLS review you need to be successful on your exam.

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ascp mls study guide: BOC STUDY GUIDE MLS-MLT CLINICAL LABORATORY EXAMINATIONS. ASCP EDITORIAL BOARD., 2022

ascp mls study guide: BOR Study Guide Patricia A. Tanabe, E. Blair Holladay, 2009

ascp mls study guide: ASCP MLT Exam The Examelot Team, 2024-11-03 Prepare for the ASCP BOC Medical Laboratory Technician (MLT) Exam with this unofficial book of practice questions, now in its second edition! This edition includes 500 multiple-choice questions - 100 more than the previous version - covering all seven ASCP MLT exam content areas: 1. Blood banking 2. Urinalysis and other body fluids 3. Chemistry 4. Hematology 5. Immunology 6. Microbiology 7. Laboratory operations Questions mirror the types of questions you'll encounter on the ASCP MLT exam. Answers are provided at the end of each section, complete with explanations to help deepen your understanding. New to this edition: 100 new questions Corrections and refinements to previous questions Updates to align with the latest ASCP MLS exam guidelines This book is also a valuable resource for those taking the ASCP MLS exam, as both exams share similar content. This book offers unique questions, different from those in the ASCP MLS Exam: Practice Questions book. ---SAMPLE QUESTIONS--- Below are six sample questions from the book: 1) BLOOD BANKING The _____ effect is the phenomenon of stronger antigen expression with homozygous genotypes than heterozygous genotypes. a. dosage b. homozygous c. position d. prozone Answer: a. dosage Explanation: The dosage effect is when an antigen reacts more strongly when there are two copies of a gene (homozygous) than when there is only one copy (heterozygous). 2) URINALYSIS AND OTHER BODY FLUIDS What is nocturia? a. Blood in the urine b. Difficulty urinating c. Excessive urination at night d. Pain during a period Answer: c. Excessive urination at night Explanation: Nocturia is the condition of waking up during the night to urinate. It can disrupt sleep and is often a symptom of underlying health issues such as diabetes, heart failure, or urinary tract infections. 3) HEMATOLOGY Which type of immunoglobulin is the Donath-Landsteiner antibody? a. IgA b. IgD c. IgG d. IgM Answer: c. IgG Explanation: The Donath-Landsteiner antibody is an IgG autoantibody that causes a rare disorder called paroxysmal cold hemoglobinuria. The antibody binds to red blood cells in cold temperatures, leading to hemolysis when the blood warms to 37°C. 4) IMMUNOLOGY Which of these diseases is a viral infection of the liver? a. Hepatitis B b. HIV c. Syphilis d. Tuberculosis Answer: a. Hepatitis B Explanation: Of the possible answers, only hepatitis B is a viral infection of the liver. 5) MICROBIOLOGY Which of these could cause stain precipitation? a. Excessive buffer b. Excessive humidity in the air c. Insufficient staining time d. Use of aged staining solutions Answer: d. Use of aged staining solutions Explanation: Stain precipitation is the presence of unwanted dots, specks, or crystals on a slide, caused by particles from the staining solution. Precipitation can occur because the staining procedure was too long, the rinsing was insufficient, or because the staining solution is old. Over time, staining solutions can deteriorate, leading to the formation of insoluble particles. 6) LABORATORY OPERATIONS A lab assistant makes a 1/6 dilution of serum in water. The assistant then performs a glucose test on the diluted serum. The result is 72 mg/dL. What result should the lab assistant report to the doctor? a. 12 mg/dL b. 72 mg/dL c. 432 mg/dL d. 720 mg/dL Answer: c. 432 mg/dL Explanation: The serum has been diluted by a factor of 6. Therefore, you need to multiply the glucose result by 6 to get the true result: $72 \times 6 = 432$.

ascp mls study guide: 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--

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ascp mls study guide: Elsevier's Medical Laboratory Science Examination Review Linda Graeter, Elizabeth Hertenstein, Charity Accurso, Gideon Labiner, 2014-08-28 Elsevier's Medical Laboratory Science Examination Review is a brand-new resource that offers all the review, practice, and support you need to prepare for the either the MLS or MLT certification examination. Each chapter in the book offers a thorough review on one of the core areas of Medical Laboratory Science as outlined by the ASCP Board of Certification. Practice questions are also featured at the end of each chapter and explanations and rationales for each correct answer appear at the end of the text. Plus, an eight-page full-color insert displays photomicrographs of hematological and microbiological specimens exactly as they appear under the microscope and on the MLS and MLT certification exams. A mock certifications exam is included in the print book as well as online at the companion Evolve website - which also houses additional practice questions - totaling 1,000 questions in all. - Inclusion of both MLS and MLT level content and questions enables the book to be used for both certification exams - Print mock exam at the end of the book contains 100 certification examination preparation questions. - Content reviews in outline form enables each topic to be easily reviewed but covered in an appropriate depth. - Online mock exams on the companion Evolve website include all the practice questions from the book plus additional unique questions that can be used to create mock exams for extra practice. - Eight-page full-color insert within the book features 50 illustrations that show hematological and microbiological photomicrographs. - Test-taking tips and suggestions discuss the exam, how it's set up and scored, when to answer, guess and not answers questions, how to identify distracters, and more.

ascp mls study guide: QUICK COMPENDIUM OF MEDICAL LABORATORY SCIENCES. ASCP PRESS., 2023

ascp mls study guide: *A Comprehensive Guide to Toxicology in Nonclinical Drug Development* Ali S. Faqi, 2024-02-11 ****Selected for 2025 Doody's Core Titles® in Toxicology**** *A Comprehensive Guide to Toxicology in Nonclinical Drug Development, Third Edition* is a valuable reference providing a complete understanding of all aspects of nonclinical toxicology in pharmaceutical research. This updated edition has been expanded and re-developed covering a wide-range of toxicological issues in small molecules and biologics. Topics include ADME in drug discovery, pharmacokinetics, toxicokinetics, formulations, and genetic toxicology testing. The book has been thoroughly updated throughout to reflect the latest scientific advances and includes new information on antiviral drugs, anti-diabetic drugs, immunotherapy, and a discussion on post-pandemic drug development challenges and opportunities. This is an essential and practical resource for all toxicologists involved in nonclinical testing in industry, academic, and regulatory settings. - Provides updated, unique content not covered in one comprehensive resource, including chapters on stem cells, antiviral drugs, anti-diabetic drugs, and immunotherapy - Includes the latest international guidelines for nonclinical toxicology in both small and large molecules - Incorporates practical examples in order to illustrate day-to-day activities and expectations associated with working in nonclinical toxicology

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examination. These seven content areas are: Blood banking Urinalysis and other body fluids
Chemistry Hematology Immunology Microbiology Laboratory operations

ascp mls study guide: Unofficial Practice Questions for the ASCP MLT Exam Mike Yu, Examreview, 2024-05-30 Book updated May 2024. American Society for Clinical Pathology ASCP offers the MLT certification. A Medical lab technician MLT can assist doctors and other specialists by performing tests on blood, tissue, and other bodily fluids, the results of which will be useful for diagnosing and treating patients. This book is designed to provide you with a wide array of practice questions that cover the breadth of topics you will encounter on the exam. Whether you are just beginning your studies or are looking for a final review before test day, this resource aims to build your confidence and competence in each subject area. The ASCP MLT exam is a rigorous test that evaluates your knowledge and skills across various domains of clinical laboratory science. It requires not only an understanding of theoretical concepts but also the ability to apply this knowledge in practical scenarios. This book has been carefully crafted to cover the content of the MLT exam, with multiple-choice questions that mirror the difficulty of those that you will encounter. There are explanations accompanying each question, providing clarity on why the correct answer is right and why the other options are incorrect. This will help reinforce your understanding of key concepts and enhance your problem-solving skills. Preparing for the ASCP MLT exam can be challenging, but with dedication and the right resources, you can achieve success. This book is a tool to help guide your study and ensure you are well-prepared for test day. Remember, thorough preparation and practice are key to your success. We are not affiliated with ASCP. MLT is the trademark of ASCP. We mention MLT only for identifying the exam per fair use.

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ascp mls study guide: 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 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.

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