

《诊断微生物学》

图书基本信息

书名：《诊断微生物学》

13位ISBN编号：9781416025818

10位ISBN编号：1416025812

出版时间：2006-9

出版社：Elsevier Science Health Science div

作者：Mahon, Connie (EDT)/ Lehman, Donald C. (EDT)/ Manuselis, George (EDT)

页数：1211

版权说明：本站所提供下载的PDF图书仅提供预览和简介以及在线试读，请支持正版图书。

更多资源请访问：www.tushu111.com

《诊断微生物学》

内容概要

Completely updated and in full color, this 3rd edition covers all the essentials of diagnostic microbiology. A logical building-block approach supplies what students need to know in an easy-to-use, memorable format. Material is presented in a progressive manner, from basic principles and concepts to systematic identification of etiologic agents of infectious diseases, promoting greater understanding and the development of problem-solving skills. Part I of the text explains basic principles and concepts, setting up a firm foundation in microbiology. Building on these basics, Part II highlights methods for the identification of significant isolates. Part III uses an organ system approach to discuss the laboratory diagnosis of infectious diseases with a focus on the most medically significant and commonly encountered diseases. More than 800 full-color illustrations. Hands-on procedures describe laboratory techniques. A case study begins each chapter with a related, real-life situation. All chapters make learning easier with features such as outlines, objectives, key terms, chapter summaries, points to remember, and learning assessment questions. Five new chapters: The Laboratory Role in Infection Control Biochemical Identification of Gram-Negative Bacteria Immunodiagnosis of Infectious Diseases Agents of Bioterror Biofilms: Architects of Disease Antimicrobial Susceptibility Testing chapter has been expanded to include emerging microbial resistance and pharmacokinetic and pharmacodynamic principles and applications. Issues to Consider encourages critical thinking and analysis of featured case studies. Glossary of terms serves as a quick reference. New co-editor, Don Lehman, brings years of educational experience.

书籍目录

PART INTRODUCTION TO CLINICAL MICROBIOLOGY 1 Bacterial Cell
Structure Physiology Metabolism and Genetics Significance Overview of the Microbial World
Classification/Taxonomy Comparison of Eukaryotic and Prokaryotic Cell Structure Bacterial Morphology
Microbial Growth and Nutrition Bacterial Biochemistry and Metabolism Bacterial Genetics 2 Host-Pathogen
Interaction A. The Role of the Usual Microbial Flora Origin of Microbial Flora Composition of the
Microbial Flora at Different Body Sites Role of the Microbial Flora in the Pathogenesis of Infectious Disease
Role of the Microbial Flora in the Host Defense against Infectious Disease B. Pathogenesis of Infection
Microbial Factors Contributing to Pathogenesis and Virulence Host Resistance Factors Mechanisms by which
Microbes May Overcome the Host Defenses Routes of Transmission 3 The Laboratory Role in Infection Control
General Concepts in Infection Control Practice Outbreak Investigation Education Emerging and Reemerging
Pathogens 4 Control of Microorganisms A. Disinfection and Sterilization Sterilization versus Disinfection
Factors That Influence the Degree of Killing Methods of Disinfection and Sterilization Disinfectants versus
Antiseptics EPA Regulations on Chemical Surface Disinfectants FDA Regulations on Chemical Skin
Antiseptics B. Microbiology Safety General Microbiology Safety Bioterrorism and the Clinical Microbiology
Laboratory 5 Performance improvement in the Microbiology Laboratory A. Quality Issues in Clinical
Microbiology General Guidelines for Establishing Quality Control Performance Improvement B. Putting the
Laboratory Test to the Test Analytical Analysis of Tests Clinical Analysis of Tests Operational Analysis of
Tests Choosing a Laboratory Method Test Validation 6 Specimen Collection and Processing Basic
Principles of Specimen Collection Preservation Storage and Transport of Specimens Specimen Receipt and
Processing Culture Workup Nonroutine Specimens Communication of Laboratory Findings 7 Microscopic
Examination of Infected Materials Preparation of Samples Stains Microscopes Terminology for Direct
Examinations Examination of Prepared Material Grading or Classifying Materials Reports of Direct
Examinations Examples of Sample Observations and Reports Quality Control in Direct Microscopic
Interpretations 8 Use of Colonial Morphology for the Presumptive Identification of Microorganisms Importance
of Colonial Morphology as a Diagnostic Tool Initial Observation and Interpretation of Cultures Gross Colony
Characteristics Used to Differentiate and Presumptively Identify Microorganisms Colonies with Multiple
Characteristics Growth of Organisms in Liquid MediaPART LABORATORY IDENTIFICATION
OF SIGNIFICANT ISOLATESPART LABORATORY DIAGNOSIS OF INFECTIOUS: AN ORGAN
SYSTEM APPROACHAPPENDIXES

精彩短评

1、本书印刷质量好，插图多，有参考价值。

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：www.tushu111.com