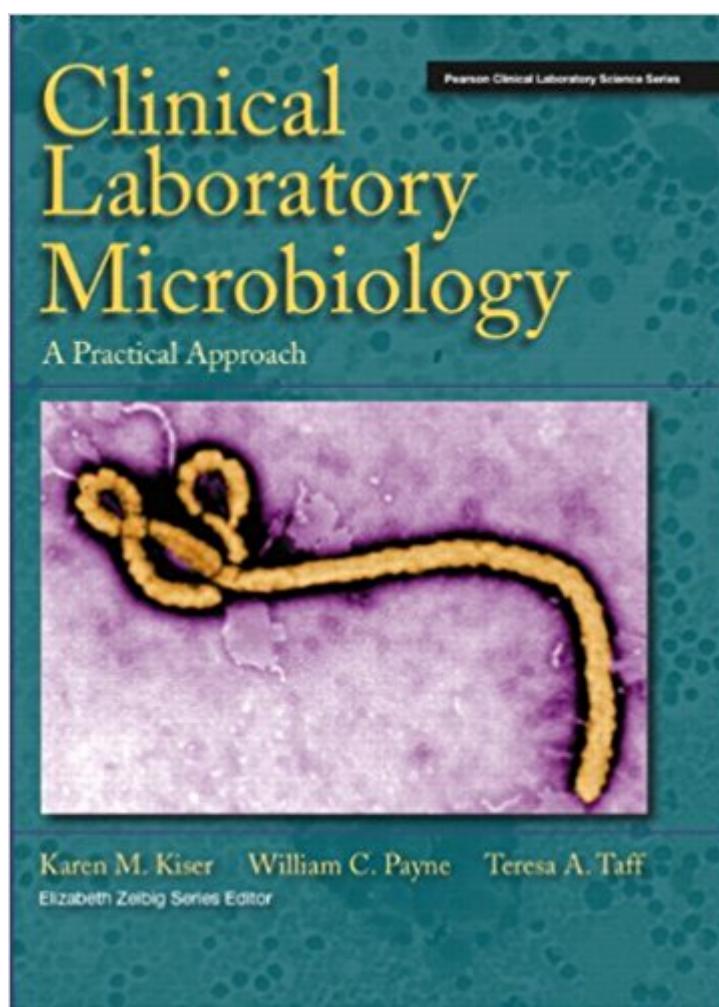


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# Clinical Laboratory Microbiology: A Practical Approach



## **Synopsis**

Clinical Laboratory Microbiology is part of Pearson's Clinical Laboratory Science series of textbooks, which is designed to balance theory and practical applications in a way that is engaging and useful to students. Clinical Laboratory Microbiology presents highly detailed technical information and real-life case studies that will help learners envision themselves as members of the health care team, providing the laboratory services specific to microbiology that assist in patient care. The mixture of theoretical and practical information relating to microbiology provided in this text allows learners to analyze and synthesize this information and, ultimately, to answer questions and solve problems and cases. Some exciting features to this book include: Taxonomy with a pronunciation guide Checkpoints! throughout the chapter allow the reader to assess learning, develop test taking skills and promote retention. Answers are provided in the appendix. Real World Tips reinforce the importance of what they are learning Graphic organizers such as timelines and concept maps help visual learners grasp the content. Flow charts model the decisions that are part of identification of an unknown microorganism. Learning Opportunities and Case Studies This book should serve as a helpful bench reference for practicing laboratory professionals. Other professionals such as pathology residents, physician assistants, and nurse practitioners will find the information useful.

## **Book Information**

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## **Customer Reviews**

"Clinical Laboratory Microbiology" is part of Pearson's Clinical Laboratory Science series of

textbooks, which is designed to balance theory and practical applications in a way that is engaging and useful to students. "Clinical Laboratory Microbiology" presents highly detailed technical information and real-life case studies that will help learners envision themselves as members of the health care team, providing the laboratory services specific to microbiology that assist in patient care. The mixture of theoretical and practical information relating to microbiology provided in this text allows learners to analyze and synthesize this information and, ultimately, to answer questions and solve problems and cases. Some exciting features to this book include: Taxonomy with a pronunciation guide Checkpoints! throughout the chapter allow the reader to assess learning, develop test taking skills and promote retention. Answers are provided in the appendix. Real World Tips reinforce the importance of what they are learning Graphic organizers such as timelines and concept maps help visual learners grasp the content. Flow charts model the decisions that are part of identification of an unknown microorganism. Learning Opportunities and Case Studies This book should serve as a helpful bench reference for practicing laboratory professionals. Other professionals such as pathology residents, physician assistants, and nurse practitioners will find the information useful.

The way this book is organized is helpful in cognitively categorizing the organisms-- not all micro books do this. For example, bacteria are organized into sections on Gram positive cocci, Gram positive rods, Gram negative rods, etc. There is a lot of general information on the characteristics of the biochemical tests used in the lab, and there are nice biochemical test charts for some of the groups of organisms, especially the Enterobacteriaceae. The problem is that there is not consistency, as some of the other groups are lacking this information-- you get bits and pieces of information about the biochemical reactions for the Gram positives, for example. While the Gram positives are generally simpler to identify, in our class there was an (unspoken) expectation that we know the battery of biochemical reactions that were not necessarily in the book. The fungi section needs a lot of work, I think. This book does not provide a discussion of the key basic features used to identify the different fungi (i.e., conidial and hyphal structural characteristics, etc.). A picture chart, such as provided in other books I have seen, would have been nice. Overall, more and/or better pictures of everything would be nice, as so much of micro depends on visual interpretation. Sometimes things are described in the text, but there is no way for the beginner to really translate that description into reality without some examples to look at. I would suggest using this book along with some supplemental visual aids to get a more complete understanding of microorganisms.

I found the text well organized with a decent index. Pearson did such a great job with Microbiology an Introduction (Tortora, Funke, Case) with the web support, audio file downloads, and quiz app, that this text and it's web support seemed weak. But considering other clinical texts, Clinical Laboratory Micro was solid and gave me all I needed to do well in my class.

This is a fantastic textbook for health professionals, particularly for medical laboratory students and professionals. It contains great, in-depth coverage of specimen collection, specimen processing, and bacteriology. It also contains good coverage of medical mycology, parasitology, and virology. Med students might need more in-depth texts covering those last three subjects but this would still be a great overview or review of all subjects concerned.

The content is not very well organised and it doesn't even have glossary.

good.

Came in as expected and was in described condition

It's a fantastic book.

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