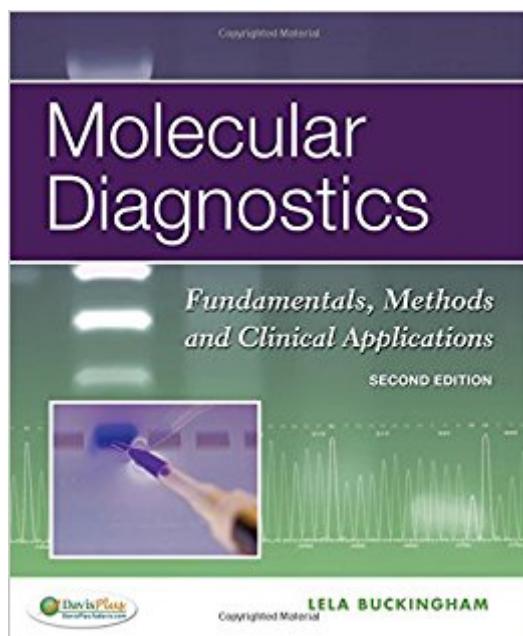


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# Molecular Diagnostics: Fundamentals, Methods And Clinical Applications



## Synopsis

This exceptional resource introduces the fundamentals of nucleic acid biochemistry as well as the advanced concepts integral to professional practice in today's laboratories. With a focus on the application of molecular concepts to diagnose diseases, the 2nd Edition reflects the many advances in this rapidly developing field. Inside, you'll find in-depth explanations of the principles of molecular-based assays as well as reference material and trouble-shooting tips for the laboratory. Discussions of general diagnostic procedures reflect the continuing emergence of new diagnostic technologies to prepare you to meet the challenges of the future.   
I would like to say that once published the second edition of "Molecular Diagnostics" would be a significant addition to the advancing science of molecular diagnostics. It would serve the multi-purpose of a textbook and a reference guide as well as troubleshooter. I can imagine it would be equally admired by the educator, student and scientist.   
• Hamida Nusrat, PhD Lecturer, CLS Internship Program  
San Francisco State University, San Ramon, CA

## Book Information

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## Customer Reviews

As a molecular technologist studying for the ASCP BOC exam for molecular technologist certification, this book serves as an excellent revision tool. Not only does it cover the basic concepts of molecular biology and techniques used in the lab, but also includes nice diagrammatic representations, troubleshooting, advanced concepts, case studies and study questions for each section. I would highly recommend this book to anyone looking to take the ASCP certification exam

or brush up on their knowledge of molecular biology in the clinical lab.

The content is relevant and as up to date as is realistic, given the fast-changing nature of this field. I am using it as a study guide for the MB(ASCP) exam and hope it will prove useful. My concern is the gross number of typos and errors. I have written down the ones I was able to find at the 3/4 finished mark and I have over 2 pages. What about the information that I am unaware of? I expect proofreading in a textbook and this one falls far short of the mark, hence why I gave it only 3 stars.

This book is an author's best effort to collect disparate topics under one cover. Molecular diagnostics is a new field and there are really only two other books covering the area by co-authors Coleman and Tsongalis. Buckingham's is slightly better, as it appears to be written by one author, who co-ordinates all the content and the index. Coleman and Tsongalis serve only as editors to their books and the chapters, written by various authors, happen to represent the authors' specialties rather than contributing to a unified text. The indexes in the latter two books are sparse and do not coordinate with the content of the chapters. Nor do the figures, critical to the understanding of complicated techniques and assays, coordinate with the text of the chapters. Buckingham, however, does have a better index (not great) and her figures are text driven, rather than copied and pasted as available. A major drawback of Buckingham is the lack of proof reading, as it is full of errors and typos. Another issue is that the study questions might have written by somebody else, since some of the answers contradict or are not consistent with the material presented in the chapters. My worry as I study for the ASCP molecular biology exam is the errors which I am not aware of.

I used this book to study for my MB(ASCP) certification. It was excellent for that purpose. It covers a really wide variety of topics, has great figures and is easy to understand. It doesn't have a huge amount of depth on most topics, but it's perfect for an overview.

It's look good. But unfortunately it doesn't have the code to have access to related online information regarding the quizzes and other things. I was very disappointed because I need to purchase the code separately.

Not an indepth discussion on molecular diagnostics but suitable enough....but not for a textbook.

This book helped me in my class. I could review material that the prof went over or preview and it

tended to be pretty helpful The boxes confused me at first since I thought I didn't have to read them. Some of the boxes had info my prof harped on as important and others had info that was never even talked about. Overall, It is fine.

Excellent book. This is the only book i used to prepare for the ASCP MB exam and i passed~

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