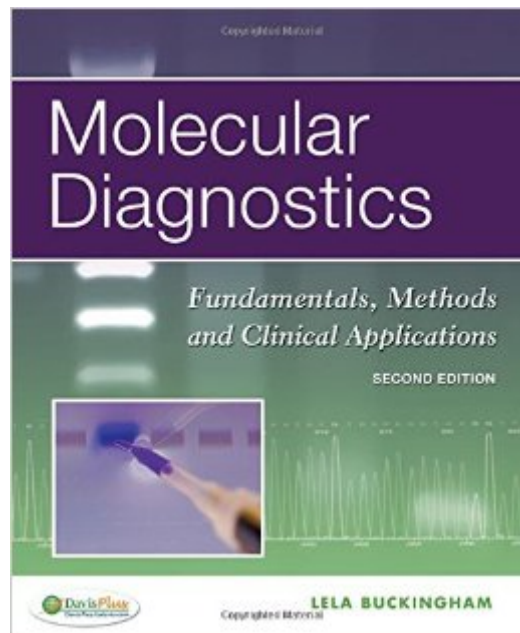


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# Molecular Diagnostics: Fundamentals, Methods And Clinical Applications



## 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.

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 been 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.

Its 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.

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.

This book is an asset, it is a simple and illustrative book. The subject is intrinsically complex but this book tries and presents it at a level that is accessible to medical technologists and is still appropriate to medical trainees- students, residents and fellows. New editions will soon be required as the field itself moves at a fast clip.

It does an ok job at teaching basic information; however, it gives irrelevant extra information which tends to confuse you as you read. My recommendation is that if you have to buy this book, you should skip the advanced concepts parts as they will definitely cause you unnecessary confusion.

Great review book for the Molecular technology ASCP certification. I really liked the layout and all the diagrams. Very enjoyable

good price & just what I ordered, Book are expensive as it is and anytime I can save it's a plus

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