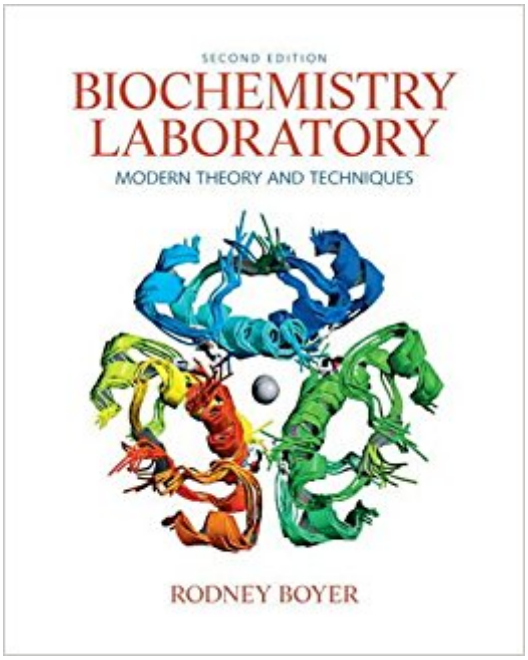
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Biochemistry Laboratory: Modern Theory And Techniques (2nd Edition)



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Synopsis

Your biochemistry lab course is an essential component in training for a career in biochemistry, molecular biology, chemistry, and related molecular life sciences such as cell biology, neurosciences, and genetics. Biochemistry Laboratory: Modern Theory and Techniques covers the theories, techniques, and methodologies practiced in the biochemistry teaching and research lab. Instead of specific experiments, it focuses on detailed descriptions of modern techniques in experimental biochemistry and discusses the theory behind such techniques in detail.Ã Â An extensive range of techniques discussed includes Internet databases, chromatography, spectroscopy, and recombinant DNA techniques such as molecular cloning and PCR. The Second Edition introduces cutting-edge topics such as membrane-based chromatography, adds new exercises and problems throughout, and offers a completely updated Companion Website.

Book Information

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Customer Reviews

Rod Boyer served on the faculty at Hope College, Holland, MI, where he taught, researched, and wrote biochemistry for 26 years. He earned his B.A. in chemistry and mathematics at Westmar College (Iowa) and his Ph.D. in physical organic chemistry at Colorado State University. After three years as an NIH Postdoctoral Fellow with M. J. Coon (cytochromes P-450) in the Department of Biological Chemistry at the University of Michigan Medical School, he joined the chemistry faculty at Hope. There he directed the work of over 75 undergraduate students in research supported by the NIH, NSF, Dreyfus Foundation, Howard Hughes Medical Institute, and the Petroleum Research

Fund (ACS). With his students, he published numerous journal articles in the areas of ferritin iron storage and biochemical education. He spent a sabbatical year as an American Cancer Society Scholar in the lab of Nobel laureate, Tom Cech at the University of Colorado, Boulder. Rod is also the author of Modern Experimental Biochemistry (Third Edition, 2000, Benjamin-Cummings) and Concepts in Biochemistry (Third Edition, 2006, John Wiley & Sons) and serves as an Associate Editor for the journal Biochemistry and Molecular Biology Education (BAMBED). He is a member of the American Society for Biochemistry and Molecular Biology (ASBMB) and a former member of its Education and Professional Development Committee that recently designed the undergraduate biochemistry degree recommended by the ASBMB. Rod now resides in Bozeman, Montana, where he continues to write and consult in biochemical education.

Provides what you need to know for lab!

The book was completely functional. However, a section of the book came with some serious wear and tare. (A section in the center of the book had lost some adhesive and is falling out.) Additionally, there were some random sketches in the book.

This textbook accompanied my laboratory course very well. Its explanations are concise and easy to follow. I rented mine from , which lowered the price a lot. There were a lot of marking in it (almost all pencil), which doesn’t bother me but may annoy others. I just ignored them.

This nice introductory text is undermined by the terrible print quality: text is smeared on >50% of the pages and figures are super-low-resolution.

Great quality at a great price!

I bought this item for a class. It came very quickly and, while not in perfect condition, was in the condition promised. The book is very thorough in describing different techniques but it is not too hard to read, especially if you have a slight background in any of the techniques (SDS-PAGE, centrifugation, etc.). My professor had us buy it partially to extend our libraries, so she likes it.

Came as expected, but could have been sent earlier than it was. But the dates matched up, so no problems.

the rental agreement was cheap and not carrying the text was a major bonus. the pages can be zoomed in on and the clarity is maintained.

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