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PCR (THE BASICS (Garland Science))



Synopsis

A thoroughly updated version of the successful first edition with a new chapter on Real-Time PCR, more prokaryotic applications, and more detail in the complex mutagenesis sections. Information on PCR applications in genomics and proteomics have been expanded and integrated throughout the text. There is also advice on available products and specific pointers to the most appropriate methods. As with the first edition, this will be an ideal practical introduction and invaluable guide to PCR and its applications.

Book Information

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Customer Reviews

This book is a great practical introduction to PCR. It truly does cover the full spectrum of PCR topics from background to benchtop (real-world) applications. It is very clearly written and easy to understand. I own about 10 books on basic and advanced PCR methods, and this one is by far the best. If you want a clear, concise, comprehensive introduction to PCR, this book is it.

PCR by McPherson and Moeller, is a great little book that addresses the practical and theoretical aspects of the polymerase chain reaction. The fundamental aspects of PCR, ranging from reagents and instrumentation, to PCR optimization, to the analysis of genomes, are outlined in each of 10 chapters with companion protocols for each application. Each technique is explained with clarity and numerous illustrations greatly aid in the understanding. I tried personally the

"SOEing" method to generate a deletion mutants and it worked to perfection. Another great feature of this book is that it explains many of the potential pitfalls associated with PCR technology in a very comprehensive manner, and gives simple solutions to remedy these problems. PCR has been around for some 15 years, and the many applications of this revolutionary technique have often been overlooked due to the sheer number; PCR takes many of these new applications and makes them simple for the reader, and in that it constitutes one of the more comprehensive educational books on the subject. PCR will surely simplify the task of students and veteran molecular biologists alike, and for these reasons I highly recommend it.

This book is ideal for both students and experienced researchers. In addition to covering the basic and theoretical aspects of PCR, the book also describes cutting-edge PCR methods and applications. It's nice to have such a comprehensive, up-to-date book on PCR. The clarity of the text made for enjoyable reading. This is a must for students and any molecular biology laboratory. Happy Reading!

This book explains really good all the basics of the PCR. For the beginning PhD student, or even before, all you need to know and even more is inside. Some applications are more complicated, but the book is never too difficult to understand. A must-have!!

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