



## PCR Protocols (Methods in Molecular Biology)

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Known for flexibility and robustness, PCR techniques continue to improve through numerous developments, including the identification of thermostable DNA polymerases which exhibit a range of properties to suit given applications. PCR Protocols, Third Edition selects recently developed tools and tricks, contributed by field-leading authors, for the significant value that they add to more generally established methods. Along with the cutting-edge methodologies, this volume describes many core applications, such as PCR cloning and sequencing, expression, copy number or methylation profile analysis, 'DNA fingerprinting', diagnostics, protein engineering, interaction screening as well as a chapter highlighting workflow considerations and contamination control, crucial for all PCR methods. Written in the highly successful Methods in Molecular Biology™ series format, chapters include introductions to their respective topics, lists of the necessary reagents and materials, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Authoritative and up-to-date, PCR Protocols, Third Edition seeks to further elucidate this essential technique while also providing core principles with broad applications for scientists of all backgrounds.

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## **Editorial Review**

### **Review**

From the reviews of the third edition:

“This book describes recently developed tools such as PCR cloning and sequencing, expression ... and other important techniques crucial for all PCR methods. ... Students and researchers interested in learning latest methods in PCR will find this book extremely useful. ... This book presents cutting-edge methodologies crucial for all PCR methods. Given the rapid advances in the field of PCR methods, this third edition is essential and justifies replacement of the previous edition.” (Omer Iqbal, Doody’s Book Reviews, February, 2012)

“The book consists of 5 parts and 24 chapters. ... Third edition of ‘PCR Protocols’ represents very useful handbook written in form of original and modified PCR protocols. Since it provides suggestions for solution of basic research as well as clinical and diagnostic problems, it will probably find its place in many molecular biology laboratories.” (Jubica Lacínová, General Physiology and Biochemistry, May, 2011)

### **From the Back Cover**

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