RT-PCR Protocols: Second Edition (Methods in Molecular Biology)

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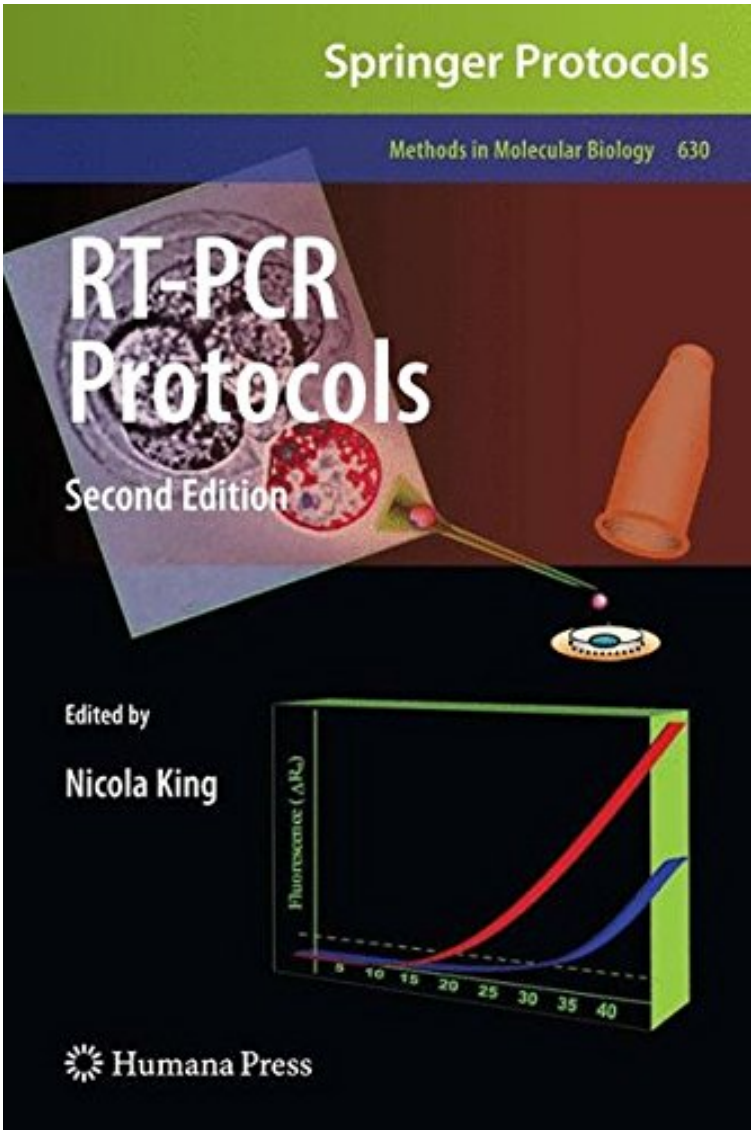

#4079799 in Books Humana Press 2010-03-22Original language:EnglishPDF # 1 9.90 x 1.00 x 7.20l, 1.75 #File Name: 1607616289341 pages | File size: 32.Mb

From Brand: Humana Press : RT-PCR Protocols: Second Edition (Methods in Molecular Biology) before purchasing it in order to gage whether or not it would be worth my time, and all praised RT-PCR Protocols: Second Edition (Methods in Molecular Biology):

1 of 1 people found the following review helpful. Best comprehensive protocol review out thereBy Digital photography noviceThis is by far the best compendium of RT-PCR protocols I've seen thus far. Many such protocol books lack the detail necessary to repeat the experiments and leave many aspects to guesswork, which is time-consuming and expensive. The protocols delineated in this book are quite detailed, and serve as a good basis for most

aspects of RT-PCR.

Once a tedious, highly skilled operation, reverse-transcription polymerase chain reaction (RT-PCR) has become a routine and invaluable technique used in most laboratories. In RT-PCR Protocols, Second Edition, expert researchers fully update the technologies presented in the popular previous edition, such as competitive RT-PCR, nested RT-PCR, RT-PCR from single cells, and RT-PCR for cloning. In addition, newer technologies are also explored, including multiplex RT-PCR, RT-LATE-PCR, and the greatly advanced field of real-time quantitative RT-PCR, while recent advances in creating the optimum RT-PCR reaction, e.g. RNA extraction, primer design, and reverse transcription, end the book with their indispensable input. Written in the highly successful Methods in Molecular Biology series format, chapters include brief introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols, and notes sections, highlighting tips on troubleshooting and avoiding known pitfalls. User friendly and up-to-date, RT-PCR Protocols, Second Edition acts as a handy companion to scientists from numerous diverse backgrounds who wish to explore further the marvels of gene expression.

From the reviews of the second edition:The second edition of RT-PCR protocols and attempts to cover the most commonly used RT-PCR protocols, giving both beginners and experts a deeper understanding of the experimental set-up. There are often flow diagrams or pictures to aid understanding and the references are helpful, if you require additional information. a good investment for any lab interested in ensuring that their RT-PCR reactions are as productive and well-controlled as possible. Overall a useful and detailed text written in an informative and helpful style. (Hayley Evans, Immunology News, May, 2011)From the Back CoverOnce a tedious, highly skilled operation, reverse-transcription polymerase chain reaction (RT-PCR) has become a routine and invaluable technique used in most laboratories. In RT-PCR Protocols, Second Edition, expert researchers fully update the technologies presented in the popular previous edition, such as competitive RT-PCR, nested RT-PCR, RT-PCR from single cells, and RT-PCR for cloning. In addition, newer technologies are also explored, including multiplex RT-PCR, RT-LATE-PCR, and the greatly advanced field of real-time quantitative RT-PCR, while recent advances in creating the optimum RT-PCR reaction, e.g. RNA extraction, primer design, and reverse transcription, end the book with their indispensable input. Written in the highly successful Methods in Molecular Biology series format, chapters include brief introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible protocols, and notes sections, highlighting tips on troubleshooting and avoiding known pitfalls. User friendly and up-to-date, RT-PCR Protocols, Second Edition acts as a handy companion to scientists from numerous diverse backgrounds who wish to explore further the marvels of gene expression.About the AuthorJoe O'Connell holds a Ph.D. in biochemistry and is a Senior Lecturer in the Department of Medicine at University College Cork, Ireland. Editor of RT-PCR Protocols (2002), he has contributed numerous articles and reviews to scientific journals. O'Connell was awarded a Centennial Prize for Academic Publishing in Medical and Health Sciences by the National University of Ireland in 2009. A native of Portmagee, County Kerry, O'Connell resides with his wife and son in Cork City. Dingle Day is his first published collection of poetry.Joe O'Connell holds a Ph.D. in biochemistry and is a Senior Lecturer in the Department of Medicine at University College Cork, Ireland. Editor of RT-PCR Protocols (2002), he has contributed numerous articles and reviews to scientific journals. O'Connell was awarded a Centennial Prize for Academic Publishing in Medical and Health Sciences by the National University of Ireland in 2009. A native of Portmagee, County Kerry, O'Connell resides with his wife and son in Cork City. Dingle Day is his first published collection of poetry.Nicola King is senior associate lecturer in English at the University of the West of England.