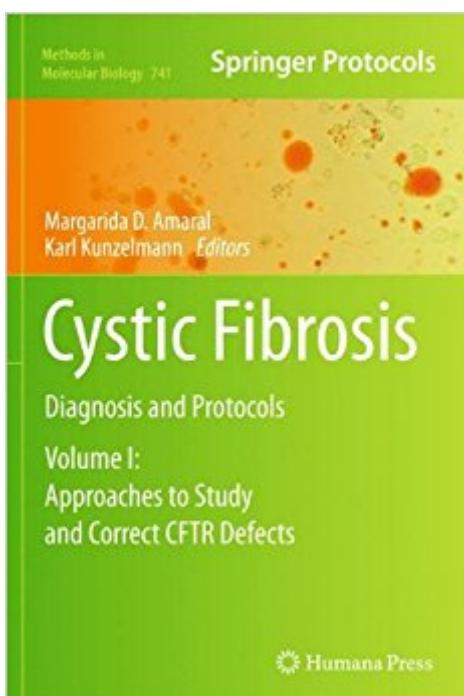


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# **Cystic Fibrosis: Diagnosis And Protocols, Volume I: Approaches To Study And Correct CFTR Defects (Methods In Molecular Biology)**



## **Synopsis**

Despite the many milestones in cystic fibrosis (CF) research, progress towards curing the disease has been slow, and it is increasingly difficult to grasp and use the already wide and still growing range of diverse methods currently employed to study CF so as to understand it in its multidisciplinary nature. Cystic Fibrosis: Diagnosis and Protocols aims to provide the CF research community and related researchers with a very wide range of high-quality experimental tools, as an easy way to grasp and use classical and novel methods applied to cystic fibrosis. Volume I: Approaches to Study and Correct CFTR Defects focuses on the cystic fibrosis transmembrane conductance regulator (CFTR) and its expression, biogenesis, structure, and function in terms of the defects causing CF. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Comprehensive and practical, Cystic Fibrosis: Diagnosis and Protocols will provide readers with optimal working tools to address pressing questions in the best technical way, while helping all of us, as a research and clinical community, to move faster hand-in-hand toward unravelling the secrets of this challenging disorder and cure it.

## **Book Information**

Series: Methods in Molecular Biology (Book 741)

Hardcover: 528 pages

Publisher: Humana Press; 2011 edition (May 25, 2011)

Language: English

ISBN-10: 1617791164

ISBN-13: 978-1617791161

Product Dimensions: 7.1 x 1.4 x 10.1 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

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## **Customer Reviews**

From the reviews: Summarize the current complex information on cystic fibrosis (CF) and the

innovative new technologies available to basic scientists involved in the study of CF. | This detailed book is aimed at basic research scientists and academicians working on CF. The protocols would be of use to graduate students and postdoctoral fellows as well. | technology described would be invaluable to clinical laboratories involved in the diagnosis of CF. This represents a must-have guide for research laboratories working on the functional mechanisms of the CFTR gene. • (Luis F. Escobar, Doody's Book Reviews, March, 2012)

Despite the many milestones in cystic fibrosis (CF) research, progress towards curing the disease has been slow, and it is increasingly difficult to grasp and use the already wide and still growing range of diverse methods currently employed to study CF so as to understand it in its multidisciplinary nature. Cystic Fibrosis: Diagnosis and Protocols aims to provide the CF research community and related researchers with a very wide range of high-quality experimental tools, as an easy way to grasp and use classical and novel methods applied to cystic fibrosis. Volume I: Approaches to Study and Correct CFTR Defects focuses on the cystic fibrosis transmembrane conductance regulator (CFTR) and its expression, biogenesis, structure, and function in terms of the defects causing CF. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Comprehensive and practical, Cystic Fibrosis: Diagnosis and Protocols will provide readers with optimal working tools to address pressing questions in the best technical way, while helping all of us, as a research and clinical community, to move faster hand-in-hand toward unravelling the secrets of this challenging disorder and cure it.

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