Editor in Chief: Wolfgang K. Joklik

The continuing explosion of information makes it difficult to keep up-to-date on important, current research. Since 1937, Microbiological Reviews has been known as the definitive review journal in all aspects of microbiology and immunology. It is considered to be required reading for microbiologists of all specialties.

Reviews are timely, authoritative, and in-depth, so busy scientists can find the bulk of what they need in a single article. Reviews on bacteriology, virology, mycology, and parasitology are standard fare. Some reviews focus on the biology of organisms, including their physiology, molecular biology, and genetics, whereas others address interactions with the environment, including host-parasite relationships which lead to disease.

The microbiologist who regularly reads Microbiological Reviews is assured of keeping abreast of significant developments in all areas of microbiology.

ISSN 0146-0749. 1,050 pages/year. Quarterly. Members of ASM may subscribe at $25 (U.S.A.) (Canadians add 7% GST) or $39 (other countries). Subscriptions start with the March issue.

Join the American Society for Microbiology and subscribe at the LOW MEMBER RATES shown above for 1994. Limit is one personal subscription per member. For NONMEMBER rates and for information and pricing on CD-ROM versions (monthly subscription or yearly archival, for both MS-DOS and Macintosh personal computers), fax (202 942-9346) or write to the Subscriptions Unit at the address given below.
CURRENT PROTOCOLS
IN MOLECULAR BIOLOGY

Current Protocols in Molecular Biology (CPMB) is the only lab manual for molecular biologists that is regularly updated. Four releases per year ensure that you have the most current lab methods at your lab bench. Each method has been thoroughly tested and proven reliable by our team of researchers from leading laboratories around the world. That’s why more than 10,000 scientists now rely on CPMB.

Choose the Format that Suits Your Needs...

Whether in looseleaf or CD-ROM, CPMB features the same logical step-by-step format. Basic protocols are followed by alternate and support protocols to accommodate different lab conditions and desired results. Material lists, preceeding each protocol, ensure that you have everything on hand before starting an experimental procedure. Detailed annotations, reference citations, and commentaries are provided throughout the text to help you avoid potential research pitfalls.

Automate Your Research with CD-ROM...

Using CPMB on CD-ROM, you can instantly call up a lab protocol with just a few clicks of the mouse. Automatic links enable you to jump to any cross-reference in the text—from a solution to its recipe, for example. And, you’re able to “copy and paste” into your own word processor to create a customized lab notebook of the protocols you use most often.

To order call: 1-800-825-7550, or fill in the coupon below and return it to: John Wiley & Sons, Inc., Attn: E. Graber / 605 Third Ave / New York, NY 10158-0012, or fax to: 212-850-6021

15-Day Free Examination—Available to U.S. customers only

Current Protocols in Molecular Biology

☐ Looseleaf Service with one-year quarterly updates
  $350 (plus $21.00 shipping in the U.S. or $65.00 outside the U.S.)

☐ CD-ROM Service with one-year quarterly updates CDs
  $450 (plus $17.00 shipping the the U.S. or $40.00 outside the U.S.)

☐ Send me a demonstration package about Current Protocols on CD-ROM in...
  _ Macintosh® format   _ Microsoft Windows® format

☐ Send me more information about...
  _ Current Protocols in Immunology

Note: Prices are subject to change.

Ship My Order To (Please Print)

Name ____________________________________________

Address __________________________________________

City/State/ZIP _____________________________________

Country __________________________________________

Telephone # _______________________________________

Method of Payment:

☐ Check enclosed (NY and NJ residents add appropriate state sales tax. In Canada, add GST. Make all checks payable to John Wiley & Sons, Inc.)

☐ Charge my credit card (Orders subject to approval)
  _ MasterCard   _ VISA   _ American Express

Card # ____________________________________________ Exp. date _________

Signature _________________________________________

Order invalid unless signed
ASM presents the book to put PCR technology to work in your laboratory!

**DIAGNOSTIC MOLECULAR MICROBIOLOGY**

**PRINCIPLES AND APPLICATIONS**

Editors: David H. Persing, M.D., Ph.D., Thomas F. Smith, Ph.D., Fred C. Tenover, Ph.D., Thomas J. White, Ph.D.

Recent developments in nucleic acid-based diagnostics have the potential to profoundly influence the clinical microbiology laboratory and ultimately the way physicians treat their patients. **Diagnostic Molecular Microbiology** is the first major text to provide complete coverage of both the principles and applications of molecular diagnostic methods as they pertain to infectious diseases. Written and edited by leading international experts, this text provides both the theoretical and practical framework for understanding the powerful uses of nucleic acid amplification technologies and for applying these techniques to the rapid detection and characterization of microbial pathogens (bacterial, viral, fungal, parasitic) in the clinical laboratory.

The nine chapters in part I (Principles) summarize the basic scientific theory underlying the emerging discipline of molecular diagnostics. The sixty-six protocols in part II (Applications) offer proven applications of molecular diagnostic techniques for the diagnosis of infectious diseases — essentially a compendium of “molecular recipes” from leading laboratories around the world.

Written in the tradition of ASM’s other classic manuals, **Diagnostic Molecular Microbiology** is a valuable reference and teaching tool for any clinical microbiology laboratory.

**CONTENTS**

- Foreword (Albert Balows)
- Preface (David H. Persing)

**I. Principles of Diagnostic Molecular Microbiology**

1. Use of Nucleic Acid Probes for Detection and Identification of Infectious Agents
2. Molecular Typing Methods
3. Nucleic Acid Amplification Techniques
4. Primer Target Selection and Optimization
5. Amplification Product Inactivation Techniques
6. Sample Preparation
7. Amplification Product Detection Formats
8. Laboratory Design and Work Flow
9. Quality Control of Polymerase Chain Reaction

**II. Applications of Diagnostic Molecular Microbiology**

Section 1. Bacterial Pathogens (21 protocols)
Section 2. Viral Pathogens (18 protocols)
Section 3. Fungal Pathogens (3 protocols)
Section 4. Parasitic Pathogens (6 protocols)
Section 5. Novel Organisms (4 protocols)
Section 6. Antimicrobial Resistance Loci (7 protocols)
Section 7. Molecular Typing Methods (5 protocols)
Section 8. Methods (2 protocols)

Appendix. Suggested Materials
Index


ASM accepts VISA, MasterCard, American Express, EuroCard, purchase orders, and checks drawn on U.S. banks in U.S. dollars. Canadian orders must include 7% G.S.T.

ASM Press, P.O. Box 605, Herndon, VA 22070 USA. Phone: (703) 787-3305. Fax: (703) 689-0660.
ASM/CD-ROM:
THE ARCHIVAL DISCS

Years’ Worth of Information Rolled into a Compact Disc!

A 1992 Archival Disc will contain for a journal:
- article page images and full ASCII text for 1992.
- abstract-level ASCII text (abstract, title, authors, affiliation, receipt/accept dates) for 1989-1991.

A 1993 Archival Disc will contain for a journal:
- article page images and full ASCII text for 1993.

Available for either a Macintosh or MS-DOS personal computer.

Sent via UPS in the U.S., first-class mail to Canada, and airmail to other countries. Prices include shipping, user’s manual, software, and binder for storage.

<table>
<thead>
<tr>
<th>Member</th>
<th></th>
<th>Nonmember</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S.*</td>
<td>Other Countries</td>
<td>U.S.*</td>
</tr>
<tr>
<td>1992 Archival Disc</td>
<td>$50</td>
<td>$75</td>
</tr>
<tr>
<td>1993 Archival Disc</td>
<td>$50</td>
<td>$75</td>
</tr>
</tbody>
</table>

* Canadians add 7% GST.

If ordering at member prices, insert member number:

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

If ordering at member prices, insert member number:

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

ASM members are limited to one archival compact disc per journal (for each year) at the member price.

☐ Payment enclosed. Payment must be in U.S. dollars, drawn on a U.S. bank located within the continental United States.

Charge to: ☐ MasterCard ☐ Visa ☐ AmEx ☐ Eurocard

Card no.: _____________________________________________

Expiration date: ________________________________

Name as it appears on card: ____________________________ (please print)

Signature: ____________________________ Date: __________

Ship to:

Name: ____________________________

Address: _________________________________________

City: ____________________________ State/Province: __________

Zip/Postal Code: ____________________________

Country: ____________________________

Send completed form to:
American Society for Microbiology
Subscriptions Unit
1325 Massachusetts Ave., N.W.
Washington, DC 20005-4171
Phone: 202-737-3600. Fax: 202-737-0368.