

Welcome to *Handbook of Fluorescent Probes and Research Products, Eighth Edition*. This CD-ROM edition of our popular *Handbook* provides you with a wealth of information in a convenient, portable package that can be accessed, browsed and searched from most computers equipped with CD or DVD drives.

Supported Operating Systems

The content of this CD-ROM is formatted using Web-based standards. We have tested it extensively on Apple Macintosh and Microsoft Windows operating systems, and we expect it to be compatible with many other operating systems.

Software Requirements

To benefit from all of the features of this CD-ROM, you will need a Java-enabled browser. If you have a browser that is not Java-enabled, you will still be able to navigate the CD-ROM's pages, but you will not be able to perform searches.

While essential content is formatted in HTML, some supporting pages are formatted using Adobe's Portable Document Format (PDF). To read these pages, you will need Adobe's Acrobat Reader plug-in or helper application. Apple's QuickTime plug-in is required to view supplementary movies included on this CD-ROM. Please refer to the 'Help' page on the CD-ROM for more information regarding plug-ins and helper applications.

Installation

If you already have a Java-enabled browser, installation is not necessary. Simply refer to the Quick Start Instructions to begin using the CD-ROM. This CD-ROM contains Netscape Communicator 4.76 installers for the following systems: Apple MacOS (PowerPC, System 7.6.1–9.1) and Microsoft Windows (95, 98, NT or 2000). The installers are located in the CD-ROM's INSTALL folder. Please refer to the README.TXT file in the INSTALL folder for installation instructions.

Quick Start Instructions*

If you already have a Java-enabled browser installed on your computer, you are ready to begin using this CD-ROM. Insert the *Handbook* CD-ROM into your computer's CD or DVD drive. Following standard procedures for your operating system, open the HOME.HTM file on the CD-ROM in your browser.

Click on the 'Help' button to learn more about how to use the CD-ROM, including information on plug-ins and helper applications, navigation tips and searching capabilities. When you are connected to the Internet, you may choose to follow links from the CD-ROM to our Web site (www.probes.com) for the very latest product information. **However, an Internet connection is not required to use this CD-ROM.**

*We have included Apple MacOS and Microsoft Windows installers for Netscape Communicator 4.76 on this CD-ROM. If you need or want to install Netscape's browser on your computer, refer to Installation.

Handbook of Fluorescent Probes and Research Products

Molecular Probes

ISBN 0965224082

Table of Contents

- Chapter 1 — Fluorophores and Their Amine-Reactive Derivatives
- Chapter 2 — Thiol-Reactive Probes
- Chapter 3 — Reagents for Modifying Groups Other Than Thiols or Amines
- Chapter 4 — Biotin Derivatives and Haptens
- Chapter 5 — Crosslinking and Photoreactive Reagents
- Chapter 6 — Ultrasensitive Detection Technology
- Chapter 7 — Protein Conjugates for Biological Detection
- Chapter 8 — Nucleic Acid Detection and Genomics Technology
- Chapter 9 — Protein Detection and Proteomics Technology
- Chapter 10 — Enzyme Substrates
- Chapter 11 — Probes for Cytoskeletal Proteins
- Chapter 12 — Probes for Organelles
- Chapter 13 — Probes for Lipids and Membranes
- Chapter 14 — Fluorescent Tracers of Cell Morphology and Fluid Flow
- Chapter 15 — Assays for Cell Viability, Proliferation and Function
- Chapter 16 — Probes for Endocytosis, Receptors and Ion Channels
- Chapter 17 — Photoactivatable (Caged) Probes
- Chapter 18 — Probes for Signal Transduction
- Chapter 19 — Probes for Reactive Oxygen Species, Including Nitric Oxide
- Chapter 20 — Indicators for Ca²⁺, Mg²⁺, Zn²⁺ and Other Metal Ions
- Chapter 21 — pH Indicators
- Chapter 22 — Indicators for Na⁺, K⁺, Cl⁻ and Miscellaneous Ions
- Chapter 23 — Probes for Membrane Potential
- Chapter 24 — Accessories and Resources