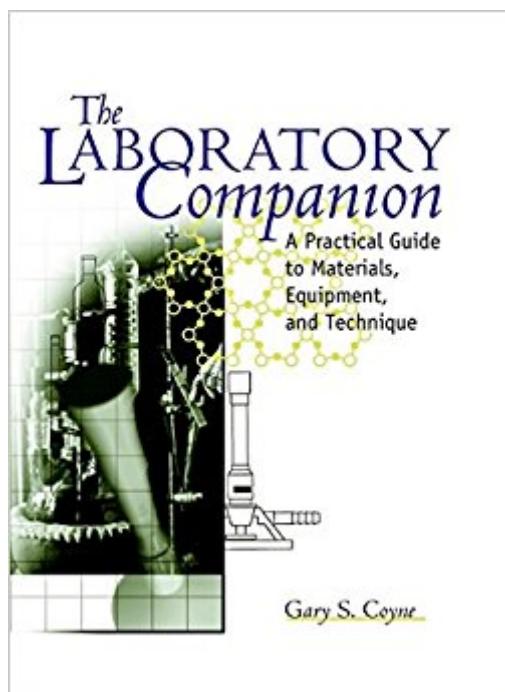


The book was found

# The Laboratory Companion: A Practical Guide To Materials, Equipment, And Technique



## Synopsis

Praise for The Laboratory Handbook by Gary S. Coyne & "This is probably the most useful volume I have encountered for many years and should be made compulsory reading for all those involved in research, particularly new research students." - Chromatographia "The book will be valuable for readers needing to understand the theory and proper using, cleaning, and storing methods of laboratory equipment. Safety issues are thoroughly covered. The book is a useful 'how-to-use' reference for students, novices, and experienced laboratory personnel." -JACS An updated version of the critically acclaimed Laboratory Handbook, this guide to laboratory materials, equipment, and techniques is an important resource for students as well as veteran scientists and lab technicians. From vacuum technology and glass vacuum systems to volumetric glassware, gas-oxygen torches, and cryogenic tanks, The Laboratory Companion provides complete coverage of all commonly used lab equipment, including essential information about its selection, use, cleaning, and maintenance. It clearly explains the historical development and rationale behind how and why things are done in the lab, and includes helpful guidelines and step-by-step procedures for each topic discussed. Since glassware is typically the most prevalent type of lab equipment, much of the book is devoted to the properties and handling of glass apparatus, with additional material on rubber and plastic tubing, corks, stoppers, and O-rings. Readers will also find broad coverage of measurement systems, high- and low-temperature apparatus and techniques, compressed gases, vacuum systems, and other essential subjects.

## Book Information

Hardcover: 552 pages

Publisher: Wiley-Interscience; 1 edition (October 13, 1997)

Language: English

ISBN-10: 0471184225

ISBN-13: 978-0471184225

Product Dimensions: 7.2 x 1.2 x 10.3 inches

Shipping Weight: 2.8 pounds

Average Customer Review: 4.4 out of 5 stars 5 customer reviews

Best Sellers Rank: #1,012,806 in Books (See Top 100 in Books) #73 in Books > Science & Math > Chemistry > Clinical #382 in Books > Medical Books > Allied Health Professions > Medical Technology #2918 in Books > Science & Math > Chemistry > General & Reference

## Customer Reviews

The Laboratory Companion, is a valuable reference guide for all those working in scientific laboratories. The range of information provided covers commonly used materials, equipment, and techniques found in most labs. Safety practices and safe procedures are constantly emphasized when discussing the proper methods of selecting, using, cleaning, and maintaining laboratory equipment (vacuum, compressed gases, measurement equipment, cryogenics, and other), as well as a thorough discussion of glassware.

Praise for The Laboratory Handbook by Gary S. Coyne& "This is probably the most useful volume I have encountered for many years and should be made compulsory reading for all those involved in research, particularly new research students." - Chromatographia "The book will be valuable for readers needing to understand the theory and proper using, cleaning, and storing methods of laboratory equipment. Safety issues are thoroughly covered. The book is a useful 'how-to-use' reference for students, novices, and experienced laboratory personnel." -JACS An updated version of the critically acclaimed Laboratory Handbook, this guide to laboratory materials, equipment, and techniques is an important resource for students as well as veteran scientists and lab technicians. From vacuum technology and glass vacuum systems to volumetric glassware, gas-oxygen torches, and cryogenic tanks, The Laboratory Companion provides complete coverage of all commonly used lab equipment, including essential information about its selection, use, cleaning, and maintenance. It clearly explains the historical development and rationale behind how and why things are done in the lab, and includes helpful guidelines and step-by-step procedures for each topic discussed. Since glassware is typically the most prevalent type of lab equipment, much of the book is devoted to the properties and handling of glass apparatus, with additional material on rubber and plastic tubing, corks, stoppers, and O-rings. Readers will also find broad coverage of measurement systems, high- and low-temperature apparatus and techniques, compressed gases, vacuum systems, and other essential subjects.

This book will give you understanding of the theory and proper use, cleaning, and storing methods of laboratory equipment. Particularly valuable for new research students.

Mr. Coyne's experience and research shines through in the text. He includes excellent reference materials, charts and tables guide you on many practical lab activities, from simple, such as how to insert tubing into rubber stoppers, to complex, as in operating vacuum devices. In view of the excellent job he did in this book, I have requested that he consider writing a second in a series

addressing how, why and when to use specific or unusual glassware, such as Graham, Allihn, and the various kinds of condensers, drying tubes, separatory funnels and the many other types of specialized glassware there seems to be little published about.

Coyne's book shares a wealth of information regarding laboratory equipment such as standard glassware, volumetrics, vacuum greases and oils. It also manages to cover fundamental basic vacuum and air sensitive techniques in terms that don't require a Phd. I highly recommend this book to Chemistry technicians , graduate students and scientists as a reference guide to safe procedures and materials.

The usefulness of this text rivals the CRC Handbook. It has a good balance of readable text and reference material, and everything is well arranged and easy to find. It's well worth 's asking price (which is what I paid at the college bookstore).

i want to review the some clinical laboratories methods ;as serology,parasitology ....andhematology.

[Download to continue reading...](#)

The Laboratory Companion: A Practical Guide to Materials, Equipment, and Technique Companion Planting: Companion Gardening - A Practical Guide For Beginners To Learn Everything About Companion Planting (Organic Gardening, Container Gardening, Vegetable Gardening) Jane's Airport & Atc Equipment 1993-94 (Jane's Airport Equipment and Services) Jane's Airports Equipment & Services 2004-2005 (Jane's Airport Equipment and Services) Jane's Airports Equipment & Services 2005-06 (Jane's Airport Equipment and Services) Understanding Anesthesia Equipment (Dorsch, Understanding Anesthesia Equipment) Laboratory and Clinical Dental Materials (Dental Laboratory Technology Manuals) Bow & Arrow: The Complete Guide to Equipment, Technique, and Competition Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Bioprocessing Piping and Equipment Design: A Companion Guide for the ASME BPE Standard (Wiley-ASME Press Series) The Art of Mosaics: A Guide to the History, Materials, Equipment and Techniques Photographic Possibilities: The Expressive Use of Equipment, Ideas, Materials, and Processes Manufacturing Technology: Materials, Processes, and Equipment Small Animal Dental Equipment, Materials and Techniques: A Primer Chemical and Process Plant Commissioning Handbook: A Practical Guide to Plant System and Equipment Installation and Commissioning Photography: Equipment, Techniques, Styles, and Practice (Britannica's Practical Guide to the Arts) The

Complete Book of Houseplants Under Light -- A Practical Illustrated Guide to Gardening Under Lights: Selection of Plants, Equipment, Soil Mixtures, Containers, Maintenance, Propagation, Pest Control Advanced Technique for Strings: Viola: Technique and Style Studies for Orchestra Essential Laboratory Mathematics: Concepts and Applications for the Clinical and Chemical Laboratory Technician Synthesis and Technique in Inorganic Chemistry: A Laboratory Manual

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)