



HAZRA - BUSINESS CALIFORNIA STATE UNIV-LOS ANGELES, 1/e

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## Description

oracle.sql.CLOB@3ba00987

## Features

- **Boxes** outline clear, step-by-step procedures, and provide a handy reference for future lab work
- **Tables** emphasize practical information for comparison and contrast and some include additional tips and guidance.
- **The Glossary** lists important terminology found in each of the nine units of the book.
- **Worked-through Example Problems** appear in nearly every chapter. They:
  - Help students apply new information and many provide insight into laboratory calculations (particularly useful for students who find math intimidating)
  - Include answers to all practice problems
  - Provide discussion questions based on laboratory “scenarios” that may be used for student writing assignments and discussion
  - Increase the relevance of the information for beginning students, using illustrations, case studies, anecdotes, and familiar examples
  - Highlight the importance of the work of the bench scientist
- **Fundamental laboratory skills** that are seldom explicitly described in biology lab manuals are included and they emphasize:
  - Preparing reagents for biological systems
  - How to document procedures in a laboratory notebook
  - Safety practices
  - How to use common laboratory instruments
- **Issues relating to the commercial biotechnology workplace** include regulatory affairs, product life cycles, and documentation in order to
  - Make students aware of many career opportunities in biotechnology
  - Introduce them to biotechnology products, the life cycles of products, and the role of the biotechnology laboratory
- **The Biotechnology Project Website** provides teacher and student resources including PowerPoint® presentations, a laboratory manual, and examples of activities that instructors might find useful.(

## New To This Edition

- **Unit 1 (Chapters 1-3) presents a stronger introduction to the nature of the biotechnology workplace.**
  - Chapter 1 is updated to include recent discoveries in biotechnology.
  - Chapter 2 features new case studies, a new section on intellectual property, and more information about the biotechnology industry workplace and available career opportunities.
  - NEW! Chapter 3, “Pharmaceutical/Biopharmaceutical Products,” is entirely new and discusses the role of the laboratory in the biotechnology industry.
- **Revised and updated quality unit (Unit 2)** includes new safety regulations that reflect the increased need for safety in dealing with biologically hazardous materials.
- **An updated unit on quality assays and tests (Unit 6)** provides current information on equipment and methods.
- **A new chapter on preparing culture media (Chapter 30)** has been added.
- **The computer unit (Unit 9) has been completely rewritten** to keep pace with rapidly advancing technologies.

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## Table of Contents

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