

HANDBOOK OF BIOCHEMISTRY AND MOLECULAR BIOLOGY

FOURTH EDITION

Edited by renowned protein scientist and bestselling author Roger L. Lundblad, with the assistance of Fiona M. Macdonald of CRC Press, this fourth edition of the **Handbook of Biochemistry and Molecular Biology** represents a dramatic revision—the first in two decades—of one of biochemistry's most referenced works. This edition gathers a wealth of information not easily obtained, including information not found on the web.

Offering a molecular perspective not available 20 years ago, it provides physical and chemical data on proteins, nucleic acids, lipids, and carbohydrates. Presented in an organized, concise, and simple-to-use format, this popular reference allows quick access to the most frequently used data. Covering a wide range of topics, from classical biochemistry to proteomics and genomics, it also details the properties of commonly used biochemicals, laboratory solvents, and reagents.

Just a small sampling of the wealth of information found inside the handbook

- Buffers and buffer solutions
- Heat capacities and combustion levels
- Reagents for the chemical modification of proteins
- Comprehensive classification system for lipids
- Biological characteristics of vitamins
- A huge variety of UV data
- Recommendations for nomenclature and tables in biochemical thermodynamics
- Guidelines for NMR measurements for determination of high and low pKa values
- Viscosity and density tables
- Chemical and physical properties of various commercial plastics
- Generic source-based nomenclature for polymers
- Therapeutic enzymes



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