



Handbook of Biochemistry and Molecular Biology, Fourth Edition

From CRC Press



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- 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 pK_a values
- Viscosity and density tables
- Chemical and physical properties of various commercial plastics
- Generic source-based nomenclature for polymers
- Therapeutic enzymes

About the Editors:

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Roger L. Lundblad is a native of San Francisco, California. He received his undergraduate education at Pacific Lutheran University and his PhD degree in

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Editorial Review

Review

... a welcome addition to the list of handbooks available through CRC Press. I am sure it will find heavy use in both basic research and biotechnology.

?David Lide, Former Editor-in-Chief, *CRC Handbook of Chemistry and Physics*, From the Foreword

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Willie Grajeda:

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