



Textbook of Biochemistry with Clinical Correlations

By Thomas M. Devlin

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This newly revised and updated fifth edition of Devlin's Textbook of Biochemistry with Clinical Correlations presents the biochemistry of mammalian cells, relates events at the cellular level to physiological processes in the whole animal, and cites examples of human diseases derived from aberrant biochemical processes.

This edition significantly expands the clinical correlation that highlight the significance of biochemistry to specific clinical problems. Full-color illustrations provide clear explanations for the concepts discussed, and end-of-chapter questions and answers act as challenging study material. Reorganized into five practical sections, Textbook of Biochemistry with Clinical Correlations covers these topics and much more:

- Structure of macromolecules—DNA, RNA, and protein structure
- Information transmission—replication, transcription, protein synthesis, and control of gene expression
- Functions of proteins—protein families, enzymes, membrane structure, and transport mechanisms
- Metabolic pathways and their control—carbohydrate, lipid, amino acid, and nucleotide metabolism
- Physiological processes—hormone and signal transduction, biochemistry of nervous tissue, muscle vision, coagulation and digestion, and principles of nutrition

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Editorial Review

Review

"...a very readable text...ideal for medicine or clinical biochemistry undergraduate students...has much to offer to medicinal chemistry students..." (*Chemistry World*, April 2004)

"Outstanding...classic...clear illustrations abound...an exceedingly thorough, accurate, and up-to-date volume." (*The Quarterly Review of Biology*)

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"...I believe this text fills an important niche, and in that niche it is very well done...a very useful text for those going into medicine." (*Biochemistry and Molecular Education*, July-August 2002)

"...a comprehensive biochemistry book...new material in key areas justifies the new edition..." (*Doody's Health*, April 19, 2002)

"There are numerous good textbooks available for general biochemistry, but medical, pharmacy, and other health professional students often question the relevance of the extensive coverage given to...simpler organisms...Devlin's textbook fills the needs of these students, with its strong emphasis on human biochemistry...an excellent choice for a pharmaceutical or medical biochemistry course." (*Journal of Medicinal Chemistry*, Vol. 45, No. 11)

"...This is a welcome and relatively inexpensive volume for students of biochemistry and especially those involved with clinical biochemistry".(*Cell Biochemistry & Function*, June 2003)

From the Back Cover

TEXTBOOK OF BIOCHEMISTRY WITH CLINICAL CORRELATIONS

Fifth Edition

Thomas M. Devlin

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