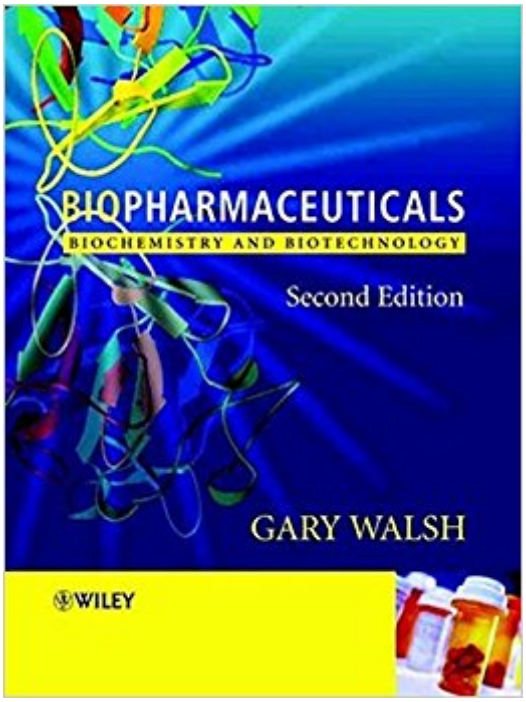
Biopharmaceuticals: Biochemistry And Biotechnology



Synopsis

The latest edition of this highly acclaimed textbook, provides a comprehensive and up-to-date overview of the science and medical applications of biopharmaceutical products. Biopharmaceuticals refers to pharmaceutical substances derived from biological sources, and increasingly, it is synonymous with 'newer' pharmaceutical substances derived from genetic engineering or hybridoma technology. This superbly written review of the important areas of investigation in the field, covers drug production, plus the biochemical and molecular mechanisms of action together with the biotechnology of major biopharmaceutical types on the market or currently under development. There is also additional material reflecting both the technical advances in the area and detailed information on key topics such as the influence of genomics on drug discovery.

Book Information

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Customer Reviews

"Ã¢â ¬Â¦contains just about everything that anyone would want to know about the subjectÃ¢â ¬Â¦It's all here in this easy-to-read textbook.Ã¢â ¬Â• (Biochemistry and Molecular Education, March/April 2004) "...well writtenÃ¢â ¬Â¦ (and) copiously illustrated..." (Chemistry & Industry, 17th January 2005) Ã Â Ã¢â ¬Å“This book should be recommended reading for all under-graduate course in pharmacy and the pharmaceutical sciences Ã¢â ¬Â¦Ã¢â ¬Â•. (Cell Biochemistry & Function, March-April 2005)

Biopharmaceuticals: Biochemistry and Biotechnology, Second Edition, provides a comprehensive,

up-to-date overview of the science and medical applications of biopharmaceutical products. Extensively revised and updated, the Second Edition of this highly successful textbook discusses the latest developments in the field, providing a greater focus on actual commercial products and how they are manufactured. Substantial new sections on detailing biopharmaceutical drug delivery and how advances in genomics and proteomics will impact upon (bio)pharmaceutical drug development are also included. Provides a balanced overview of the biopharmaceutical industry, including material on key developments in the field. Each chapter supplemented with an extensive further reading section Aimed at students taking courses in biotechnology, pharmaceutical science, biochemistry, microbiology or medicine An ideal reference for those already employed in the (bio)pharmaceutical sector wishing to gain a better overview of the industry. Reviews of Biopharmace u ticals: "Biopharmaceuticals: Biochemistry and Biotechnology contain(s) some very useful information and ultimately serves as a comprehensive introduction to both the biopharmaceutical industry and its role within the larger arena of pharmaceuticals. For those new to, or keen to be involved with biopharmaceuticals, the book will undoubtedly provide a solid grounding of not just the technology, but of the industry as a whole." Ã¢â ¬â •Pharmaceutical Technology Europe "This great compliment of scientific literature, is easy-to-read and understand, up-to-date as well as comprehensive." Ã¢â ¬â •Bioseparation "BiopharmaceuticalsÃ¢â ¬Â¦is well written and provides an excellent overview of the biotechnology industryÃ¢â ¬Â¦. This book is an excellent and balanced source of information about the biotechnology industry." Ã¢â ¬â •FEBS Letters

The book is beautifully written with comprehensive coverage of all topics till the date of publication (2002-3). I wanted thorough knowledge of the field for a job and reading this book cover to cover has given me the confidence along with the knowledge that I do know something and will be able to navigate my way through "biopharmaceutical" waters!Some minor things have changed since then and even though I am not a biopharmaceutical person, these are some like, introduction of virus removal filters, CDER being the FDA arm where most biopharmaceutical NDAs are approved, SiRNA technology (it probably just came out in 2002 and was after publication).Just loved the book. Every Technical Book should be written in the same lucid comprehensive way, Dr. Walsh has written this book. I salute him and this book. Highly recommended.

Manufacturing of Biopharmaceuticals, Third Edition (Biotechnology and Bioprocessing) Biopharmaceuticals (Biotechnology Revolution) Building Biotechnology: Biotechnology Business, Regulations, Patents, Law, Policy and Science The Ethics of Biotechnology (Biotechnology in the 21st Century)**OUT OF PRINT** Fundamental Laboratory Approaches for Biochemistry and Biotechnology Marks' Basic Medical Biochemistry (Lieberman, Marks's Basic Medical Biochemistry) Biochemistry (BIOCHEMISTRY (VOET)) Medical Biochemistry: With STUDENT CONSULT Online Access, 3e (Medial Biochemistry) Quality by Design for Biopharmaceuticals: Principles and Case Studies Applied Biopharmaceutics & Pharmacokinetics, Sixth Edition (Shargel, Applied Biopharmaceuticals & Pharmacokinetics) Applied Biopharmaceutics & Pharmacokinetics, Fifth Edition (Shargel, Applied Biopharmaceuticals & Pharmacokinetics) Biophysical Characterization of Proteins in Developing Biopharmaceuticals Q Fever (River Publishers Series in Research and Business Chronicles: Biotechnology and Medicine) A Geography of Digestion: Biotechnology and the Kellogg Cereal Enterprise (California Studies in Food and Culture) Food And Nutrition At Risk In America: Food Insecurity, Biotechnology, Food Safety And Bioterrorism High-Tech and Micropropagation VI (Biotechnology in Agriculture and Forestry) (v. 6) High-Tech and Micropropagation IV (Biotechnology in Agriculture and Forestry)