DESCRIPTION
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.

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Gary Walsh is a senior lecturer in industrial biochemistry at the University of Limerick, Ireland. He combines industrial experience within the pharmaceutical industry with an extensive teaching and academic research background in pharmaceutical biotechnology. He has published half a dozen highly acclaimed books on various aspects of protein biotechnology. He is on the editorial board of several biopharmaceutical journals and is closely affiliated with the European Association of Pharma Biotechnology, serving as its scientific secretary.
NEW TO EDITION

Extensively revised and updated, the Second Edition 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.

FEATURES

• One of the first key textbooks on the market to comprehensively outline the science of the biopharmaceutical industry.

• Provides an extensive, up-to-date overview of the science and medical applications of biopharmaceutical products.

• Includes additional relevant material to reflect the recent technological advances in the subject and also includes a new section on the impact of genomics on drug discovery

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