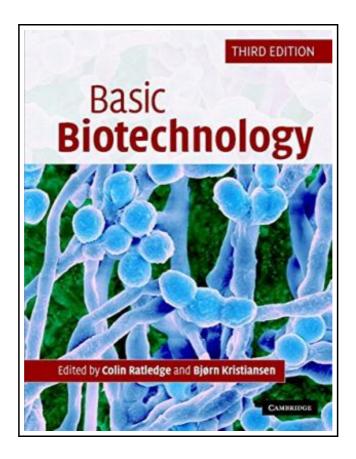
Basic Biotechnology (Third Edition)



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Reviews

Thorough information! Its this type of great go through. It is amongst the most incredible publication i actually have read through. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Germaine Welch)

BASIC BIOTECHNOLOGY (THIRD EDITION)



Cambridge University Press, Cambridge, UK, 2008. Paperback. Book Condition: New. Third Edition. Biotechnology is one of the major technologies of the twenty-first century. Its wide-ranging, multi-disciplinary activities include recombinant DNA techniques, cloning and the application of microbiology to the production of goods from bread to antibiotics. In this new edition of the textbook Basic Biotechnology, biology and bioprocessing topics are uniquely combined to provide a complete overview of biotechnology. The fundamental principles that underpin all biotechnology are explained and a full range of examples are discussed to show how these principles are applied; from starting substrate to final product. A distinctive feature of this text are the discussions of the public perception of biotechnology and the business of biotechnology, which set the science in a broader context. This comprehensive textbook is essential reading for all students of biotechnology and applied microbiology, and for researchers in biotechnology industries. The only textbook which explains the basic biology of the subject and then gives specific examples of applications in industry Uniquely contains material on the business and economics of biotechnology, written by two leading entrepreneurs Scope of book has been expanded to include new chapters on plant cell biotechnology and highthroughput screening strategies used in the search for new bioactive compounds Printed in 2-colour throughout Contents 1. Public perception of biotechnology J. E. Smith; 2. Biochemistry and physiology of growth and metabolism Colin Ratledge; 3. Stoichiometry and kinetics of microbial growth from a thermodynamic perspective J. J. Heijnen; 4. Genome management and analysis: prokaryotes Colin R. Harwood and Anil Wipat; 5. Genetic engineering: yeasts and filamentous fungi David B. Archer, Donald A. MacKenzie and David J. Jeenes; 6. Microbial process kinetics Jens Nielsen; 7. Bioreactor design Yusuf Chisti; 8. Mass transfer Henk J. Noorman; 9. Downstream processing Marcel Ottens, Johannes A. Wesselingh and...



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