



Principles and Techniques of Biochemistry and Molecular Biology

By John Walker, Keith Wilson

Cambridge University Press, 2008. Softcover. Book Condition: New. 5th or later edition. 18 x 24 cm. This is a new and expanded edition of the bestselling Principles and Techniques of Practical Biochemistry. It includes discussion of the theoretical principles, practical details and applications of the key experimental techniques that are routinely used in modern biochemistry and molecular biology, including those that have led to the emergence of the new disciplines of genomics, proteomics and bioinformatics. All chapters have been updated and new sections added to cover the principles of experimental design, the statistical analysis of quantitative analytical data, and the principles and practice of clinical biochemistry. here are new chapters covering cell culture, microscopy and mass spectrometry. To enhance student understanding of each topic, in-text worked examples are included in each chapter. The textbook will be essential reading for all bioscience students and pre-clinical medical students. Contents Preface List of contributors List of abbreviations 1. Basic principles Keith Wilson and John Fyffe 2. Cell culture techniques Anwar R. Baydoun 3. Centrifugation Kay Ohlendieck 4. Microscopy Stephen W. Paddock 5. Molecular biology, bioinformatics and basic techniques Ralph Rapley 6. Recombinant DNA and genetic analysis Ralph Rapley 7. Immunochemical techniques Robin Thorpe...



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