Laboratory Handbook on Biochemistry

By K. Panneer Selvam,S. Shanmugam,T. Sathish Kumar

PHI Learning, 2010. Softcover. Book Condition: New. First edition. This systematically designed laboratory handbook elucidates a number of techniques which help the students carry out various experiments in the field of biochemistry. The experimental protocols described in the handbook have been standardized and performed in the authors? own laboratory. This handbook is intended for the undergraduate and postgraduate students of life sciences (biochemistry, microbiology, biotechnology, plant biotechno-logy, animal biotechnology, etc.) and engineering (biotechnology, biomedical, etc.) for their laboratory courses. Researchers have to refer to many journals and books to find the right procedure for their experiments. This handbook is an attempt to provide students with the often used methods in a handy format, including explanations of principles, procedures and interpretations of results of the experiments. CONTENTS: Foreword ? Preface ? Acknowledgements Section One: AMINO ACIDS, PROTEINS, ENZYMES AND OTHER NITROGENOUS COMPOUNDS 1. Qualitative Analysis of Amino Acids?General Procedure 2. Estimation of Glycine by Ninhydrin Method 3. Estimation of Proline by Ninhydrin Method 4. Qualitative Analysis of Proteins 5. Estimation of Total Proteins by Folin? Lowry?s Method 6. Estimation of Total Proteins by Biuret Method 7. Estimation of Proteins by Bradford Method 8. Estimation of Proteins by Copper (II)?Neocuproine Method 9. Estimation...

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