

Contents

<i>Preface to First Edition</i>	ix
<i>Preface to Second Edition</i>	xi
<i>Abbreviations</i>	xiii
<i>Introduction</i>	1
Chapter 1 Enzymic cleavage of proteins	9
Chapter 2 Chemical methods of cleavage	19
Chapter 3 The purification of peptides	31
Chapter 4 The Sequenator	47
Chapter 5 The Solid-phase Sequencer	66
Chapter 6 Identification of amino acid phenylthiohydantoins	84
Chapter 7 Manual methods of amino acid sequencing	102
Chapter 8 Applications of mass spectrometry to the sequence analysis of peptides and proteins	122
References	141
Protein Sequences	153
Enzymes	155
Inhibitors	229
Globins	240
Cytochromes	280
Ferredoxins	317
Other Metalloproteins	328
Immunoglobulins	343
Fibrinopeptides	364
Hormones and other active peptides	369
Toxins	422
Virus coat proteins	454
Histones	459
Protamines and related proteins	468
Ribosomal proteins	472
Keratins	482
Muscle proteins	488
Lens proteins	497
Milk proteins	502

Miscellaneous proteins	506
Appendix I Human haemoglobins	534
Appendix II Amino acid replacements that may occur as a result of single base changes in the genetic code	564
Appendix III Notes	583
Author Index	603
Index of Protein Sources	614
Index of Protein Names	624
General Index to the Methodology Section	