

Contents

Preface	iii
Contributors	vii
1 The History of Enantiomeric Resolution Binyamin Feibush and Nelu Grinberg	1
2 Tailor-Made Sorbents: A Modular Approach to Chiral Separation Günter Wulff and Milan Minárik	15
3 Rational Design of Pirkle-Type Chiral Stationary Phases John M. Finn	53
4 Indirect Separation of Enantiomers by Liquid Chromatography Wolfgang Lindner	91
5 Cyclodextrin-Stationary Phases Timothy J. Ward and Daniel W. Armstrong	131

6	Chiral Mobile Phases for the Enantiomeric Resolution of Amino Acids P. Edgar Hare	165
7	Substituted Polyacrylamides as Chiral Phases for the Resolution of Drugs Gottfried Blaschke	179
8	Optically Active Poly(Triphenylmethyl Methacrylate) as a Chiral Stationary Phase Yoshio Okamoto and Koichi Hatada	199
9	Cellulose Derivatives as Stationary Chiral Phases Akito Ichida and Tohru Shibata	219
10	Resolution of Enantiomeric Compounds by Silica-Bonded α_1 -Acid Glycoprotein Jörgen Hermansson and Göran Schill	245
11	Enantiomer Separation in Ion-Pairing Systems Curt Pettersson and Göran Schill	283
12	Influence of the Mobile Phase on Chiral LC Separations Morris Zief	315
13	Preparative Enantiomeric Separation Morris Zief	337
14	The Enantiomeric Resolution of Biologically Active Molecules on Commercially Available Liquid Chromatographic Chiral Stationary Phases Irving W. Wainer and Marc C. Alembik	355
	Appendix	385
	Index	403