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| Nota di contenuto | HPLC; CONTENTS; PREFACE; I HPLC PRIMER; 1 Advantages and Disadvantages of HPLC; 1.1 How It Works; 1.1.1 A Separation Model of the Column; 1.1.2 Basic Hardware: A Quick, First Look; 1.1.3 Use of Solvent Gradients; 1.1.4 Ranges of Compounds; 1.2 Other Ways to Make My Separation; 1.2.1 FPLC-Fast Protein Liquid Chromatography; 1.2.2 LC-Traditional Liquid Chromatography; 1.2.3 GLC-Gas Liquid Chromatography; 1.2.4 SFC-Supercritical Fluid Chromatography; 1.2.5 TLC-Thin Layer Chromatography; 1.2.6 EP-Electrophoresis; 1.2.7 CZE-Capillary Zone Electrophoresis; 2 Selecting an HPLC System 2.1 Characteristic Systems 2.1.1 Finding a Fit: Detectors and Data Processing; 2.1.2 System Models: Gradient Versus Isocratic; 2.1.3 Vendor Selection; 2.1.4 Brand Names and Clones; 2.1.5 Hardware-Service-Support; 2.2 System Cost Estimates; 2.2.1 Type I System-QC Isocratic (Cost: 10-15,000); 2.2.2 Type II System-Research Gradient (Cost: 20-25,000); 2.2.3 Type III System-Automated Clinical (Cost: 25-35,000); 2.2.4 Type IV System-Automated Methods (Cost: 30-50,000); 2.3 Columns; 2.3.1 Sizes: Analytical and Preparative; 2.3.2 Separating Modes: Selecting Only What You Need |

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Sommario/riassunto

This Second Edition of the classic handbook details how to set up an HPLC system that capitalizes on the latest innovations. It covers new techniques in high-temperature, micro-flow, and ultra-fast chromatography, the linking of an HPLC to a mass spectrometer, and more. Complete with a CD-ROM and appendices, this guide has everything chromatographers need to know to confidently separate, identify, purify, and quantify compounds. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.
