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On-Chip Pretreatment of Whole Blood by using MEMS Technology

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About the eBook

On-chip pretreatment of whole blood is one of the hottest topics in lab-on-a-chip research since whole blood has been regarded as the most important clinical sample. This e-book is a valuable reference for readers interested in this specific clinical application of advanced MEMS technology.

Contents

- ▶ Introduction of Microfluidic Chips Targeting Whole Blood Pretreatment
- ▶ Microfluidic Chips for Plasma Isolation from Whole Blood
- ▶ Microfluidic Chips for Blood Cell Separation
- ▶ Microfluidic Devices Targeting Blood Cell Lysis
- ▶ Microfluidic Chips for DNA Extraction and Purification
- ▶ Integrated Microfluidic Chips for Whole Blood Pretreatment

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