



Microchip Methods in Diagnostics

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Condition: New. Publisher/Verlag: Springer, Berlin | Microchip methods of analysis are now an essential tool for biomedical researchers. Here, the authors focus on DNA microarrays, protein microarrays, and labs-on-chips, and support the introduction of new diagnostic methods based on microtechnologies. | In this new age of science and technology, microchip methods of analysis have developed into an essential tool for biomedical researchers. Microchip Methods in Diagnostics looks at this increasingly miniaturized technology, focusing on DNA microarrays, protein microarrays, and labs-on-chips, and supporting the introduction of new diagnostic methods based on microtechnologies. The work provides a background on the technological aspects of each of these methods, followed by chapters describing the methods with regard to specific applications. Since it uses only those processes which have reached a certain level of maturation, this volume is able to provide approaches that are applicable in practice even by the non-expert. Composed in the highly successful Methods in Molecular Biology series format, each chapter contains a brief introduction, step-by-step methods, a list of necessary materials, and a Notes section which shares tips on troubleshooting and avoiding known pitfalls. An innovative and cutting-edge work, Microchip Methods in Diagnostics strives to bring the technology of microchips even further...



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