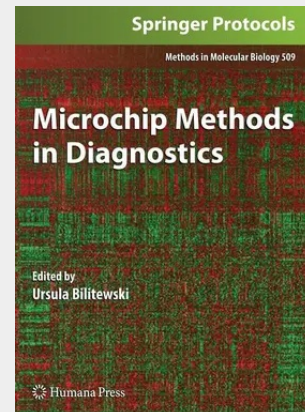


Microchip Methods in Diagnostics

In this new age of science and technology, microchip methods of analysis have developed into an essential tool for biomedical researchers. This book 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 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, strives to bring the technology of microchips even further into the world of diagnostics, predicting incredible benefits for patients in the years to come.

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