



Microarray Methods and Protocols

By Robert S. Matson

Taylor Francis Inc, United States, 2009. Paperback. Book Condition: New. 231 x 152 mm. Language: English . Brand New Book. A Step-by-Step Guide to Present and Future Uses of Microarray Technology Microarray technology continues to evolve, taking on a variety of forms. From the spotting of cDNA and the in situ synthesis of oligonucleotide arrays now come microarrays comprising proteins, carbohydrates, drugs, tissues, and cells. With contributions from microarray experts in both academia and industry, Microarray Methods and Protocols is a turn-by-turn road map through the processes necessary to perform a successful microarray experiment. This easy to use book addresses the fundamental aspects of preparing and processing microarrays and bead arrays, labeling, and detection. It also includes a detailed How it Works section that discusses the underlying principles of a number of techniques. Troubleshooting guides offer additional advice for the successful performance of more than 100 protocols in 10 chapters that cover work involving nucleic acids, proteins, carbohydrates, and lectins. --Concise and Well-Organized-- With a focus on the preparation and use of microarrays of biomedical relevance, the text describes a variety of microarray formats useful in the assessment of human disease and in genomic and proteomic research. This authoritative resource provides...



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