

about the book . . .

This invaluable resource presents **practical biotechnological applications** of flow cytometry techniques for the study of animal, plant, and microbial cells—explaining methodologies for sample preparation, staining, and analysis.

Discussing cell variability in cell culture processes, *Flow Cytometry Applications in Cell Culture* shows how the quantitative analysis of heterogeneous populations aids in the biotechnological exploitation of cells...details the use of flow cytometry for monitoring and improving the selection and enrichment of high productivity cell lines...examines baculovirus-infected insect cell culture...delineates flow cytometry techniques for the detection of cellular and subcellular changes occurring during apoptosis...demonstrates how to characterize ex vivo expanded human bone marrow...describes flow cytometry techniques for analyzing microbial growth and viability...addresses the potential of flow cytometry for characterizing plant cell populations...and much more.

Generously illustrated and containing key bibliographic citations, *Flow Cytometry Applications in Cell Culture* is an excellent reference for biochemists, molecular and cell biologists, flow cytometrists, microbiologists, bioscientists, biochemical engineers, cytologists, immunologists, fermentation engineers, and graduate-level and continuing-education students in these disciplines.

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