

1. Record Nr.	UNINA9910631093503321
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Titolo	Flow Cytometry Today : Everything You Need to Know about Flow Cytometry // by Claudio Ortolani
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031108365 9783031108358
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (556 pages)
Collana	Biomedical and Life Sciences Series
Disciplina	910.5
Soggetti	Cytology Biology - Technique Medicine - Research Biology - Research Cell Biology Biological Techniques Biomedical Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Chapter 1. General Principles -- Chapter 2. Signals – Scattering -- Chapter 3. Signals - Fluorescence, Phosphorescence, Impedance, Extinction -- Chapter 4. Fluidics -- Chapter 5. Light Sources -- Chapter 6. Optical Benches -- Chapter 7. Detectors and Electronics -- Chapter 8. Signal Analysis -- Chapter 9. The Cytometric File -- Chapter 10. Data Transformation -- Chapter 11. Data Representation -- Chapter 12. Data Analysis -- Chapter 13. Standards, Setup, Calibration, and Control Techniques -- Chapter 14. Fluorochromes – Overview -- Chapter 15. Fluorochromes Suitable for Antibody Conjugation -- Chapter 16. Fluorochromes That Bind Nucleic Acids -- Chapter 17. Fluorochromes for the Study of the Cell Features -- Chapter 18. Fluorescent Proteins -- Chapter 19. Spillover and Compensation -- Chapter 20. Artifacts -- Chapter 21. Cell Sorting -- Chapter 22. Non-Conventional Flow Cytometry -- Chapter 23. Statistics: A Cytometric Point of View.

Sommario/riassunto

This book covers all the technical aspects of flow cytometry needed to set-up the instrument, solve problems encountered in daily work, or necessary for exam preparation. It provides the reader with an in-depth look at the device and its applications. Each component and its function is described in an easy-to-understand manner, giving the reader a sound basic knowledge of this instrument. The practical examples given, simplify and enhance the learning process. This book is a unique resource of knowledge for biomedical engineers and biotechnologists, flow cytometry operators, laboratory technicians and biomedical researchers, both biologists as well as medical doctors, and can also be a helpful tool for companies and manufacturers.
