

## **SPECIALIST IN CYTOMETRY, SCYM(ASCP) INTERNATIONAL SPECIALIST IN CYTOMETRY, SCYM(ASCP)<sup>i</sup>**

### **Suggested Reading for Examination Preparation**

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#### **JOURNALS**

- Arnold, L.W. & Lannigan, J. (2010). [Practical Issues in High-Speed Cell Sorting](https://doi.org/10.1002/0471142956.cy0124s51). *Current Protocols in Cytometry*, 51, 1.24.1-1.24.30. <https://doi.org/10.1002/0471142956.cy0124s51>
- Barsky, L.W., et al. (2016). [International Society for Advancement of Cytometry \(ISAC\) Flow Cytometry Shared Resource Laboratory \(SRL\) Best Practices](https://doi.org/10.1002/cyto.a.23016). *Cytometry*, 89(11), 1017-1030. <https://doi.org/10.1002/cyto.a.23016>
- Cossarizza, A., et al. (2019). [Guidelines for the Use of Flow Cytometry and Cell Sorting in Immunological Studies](https://doi.org/10.1002/eji.201970107) (2<sup>nd</sup> ed.). *European Journal of Immunology*, 49(10), 1457-1973. <https://doi.org/10.1002/eji.201970107>
- Davis B.H., et al. (2013). [Validation of Cell-Based Fluorescence Assays: Practice Guidelines from the International Council for Standardization of Haematology and the International Clinical Cytometry Society](https://doi.org/10.1002/cyto.b.12001). *Cytometry Part B: Clinical Cytometry*, 84(5), 279-357.
- Ferrer-Font, L., et al. (2021). [Panel Optimization for High-Dimensional Immunophenotyping Assays Using Full-Spectrum Flow Cytometry](https://doi.org/10.1002/cpz1.222). *Current Protocols*, 1(9), Article e222. <https://doi.org/10.1002/cpz1.222>
- Lee, J.A., et al. (2008). [MIFlowCyt: The Minimum Information about a Flow Cytometry Experiment](https://doi.org/10.1002/cyto.a.20623). *Cytometry. Part A: the Journal of the International Society for Analytical Cytology*, 73(10), 926-930. <https://doi.org/10.1002/cyto.a.20623>
- Tung, J.W., et al. (2007). [Modern Flow Cytometry: A Practical Approach](https://doi.org/10.1016/j.cll.2007.05.001). *Clinics in Laboratory Medicine*, 27(3), 453-468. <https://doi.org/10.1016/j.cll.2007.05.001>
- Welsh, J.A., et al. (2020). [MIFlowCyt-EV: A Framework for Standardized Reporting of Extracellular Vesicle Flow Cytometry Experiments](https://doi.org/10.1080/20013078.2020.1713526). *Journal of Extracellular Vesicles*, 9(1), 1713526. <https://doi.org/10.1080/20013078.2020.1713526>

#### **TEXTS**

##### **GENERAL FLOW CYTOMETRY**

- Hawley, T.S. & Hawley, R.G. (Eds.). (2024). [Flow Cytometry Protocols](#) (5<sup>th</sup> ed.). New York: Humana Press.
- McCoy Jr., J.P. (Ed.). (2019). [Immunophenotyping Methods and Protocols](#). Humana Press.
- Ormerod, M.G. (2008). [Flow Cytometry: A Basic Introduction](#). Redhill: M. G. Ormerod.

##### **CLINICAL FLOW CYTOMETRY**

- CLSI. (2007). [Enumeration of Immunologically Defined Cell Populations by Flow Cytometry; Approved Guideline](#) (2<sup>nd</sup> ed.). CLSI H42-A2. Clinical Laboratory Standards Institute.
- CLSI. (2021). [Validation of Assays Performed by Flow Cytometry](#) (1<sup>st</sup> ed.). CLSI H62. Clinical and Laboratory Standards Institute.
- Dorfman, D.M., Karlson, W.J., & Linden, M.A. (2023). [Color Atlas of Flow Cytometry](#). College of American Pathologists.
- McPherson, R.A. & Pincus, M.R. (2021). [Henry's Clinical Diagnosis and Management by Laboratory Methods: Chapters 35 and 46](#) (24<sup>th</sup> ed.). Philadelphia: Elsevier.
- Nguyen, D.T., Diamond L.W., & Braylan, R.C. (2007). [Flow Cytometry in Hematopathology: A Visual Approach to Data Analysis and Interpretation](#) (2<sup>nd</sup> ed.). Totowa, NJ: Humana Press.
- WHO Classification of Tumours Editorial Board. (2024). [WHO Classification of Tumours: Haematolymphoid Tumours](#) (5<sup>th</sup> ed., Vol. 11). Lyon, France: IARC Press.

## RESEARCH FLOW CYTOMETRY

Barteneva, N.S. & Vorobjev, I.A. (Eds.). (2016). [\*Imaging Flow Cytometry: Methods and Protocols\*](#). New York: Springer.  
Ortolani, C. (2022). [\*Flow Cytometry Today: Everything You Need to Know about Flow Cytometry\*](#). Switzerland: Springer.  
Shapiro, H.M. (2003). [\*Practical Flow Cytometry\*](#) (4<sup>th</sup> ed.). New York: Wiley-Liss.

## LABORATORY ADMINISTRATION

U.S. Department of Health and Human Services (2020). [\*Biosafety in Microbiological and Biomedical Laboratories\*](#) (6<sup>th</sup> ed.). HHS. Publication No. (CDC) 300859.  
Garcia, L.S., et al. (Eds.). (2024). [\*Clinical Laboratory Management\*](#) (3<sup>rd</sup> ed.). Washington D.C.: ASM Press.  
Harmening, D.M. (2020). [\*Laboratory Management: Principles and Processes\*](#) (4<sup>th</sup> ed.). St. Petersburg: D.H. Pub. & Consulting, Inc.

## ONLINE

[The Single Cell Omics Group](#)

[Centers for Medicare and Medicaid Services](#) (includes CLIA regulations)

[Clinical and Laboratory Standards Institute \(CLSI\)](#)

[Clinical Cytometry Education Network \(CCEN\)](#)

[College of American Pathologists \(CAP\)](#)

[International Society for Advancement of Cytometry \(ISAC\) Cyto University](#)

[International Clinical Cytometry Society \(ICCS\)](#)

- [International Clinical Cytometry Society \(ICCS\) Quality and Standards Committee](#)

[Occupational Safety & Health Administration \(OSHA\)](#)