

Harvard FAS Bauer Flow Cytometry Facility

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Intro to Flow Cytometry

Applications:

- Characterize & quantify fluorescence
- Cell cycle analysis
- Immunophenotyping
- Cell Sorting (FACS)

Join our free introductory course

Every other Tuesday at 10 am

Learn how flow cytometry works and how to set up a good experiment.

Flow Cytometers (Analyzers)

Hands-on training available

Independent self-run use after training



BD LSR II

- 12 parameters
- 405, 488, 561, 635 nm lasers
- HTS 96 and 384 well plate



BD Fortessa

- 12 parameters
- 440, 488, 561, 635 nm lasers
- HTS 96 and 384 well plate

Cell Sorting

Separate populations of cells based on fluorescence or scattered light. Cells of interest are steered into collection tubes or plates. Choose staff-run service or independent self-run use (after training).

Moflo Astrios Eq

- Seven lasers, 34 parameters
- 6-way and plate sorting
- BL2 allowed



Moflo XDP

- Four lasers, 9 parameters
- 4-way and plate sorting
- BL2 allowed



Two BD FACs Aria III

- Five lasers, 16 parameters
- 355 or 440nm laser
- 4-way and plate sorting
- BL2 and self-running allowed



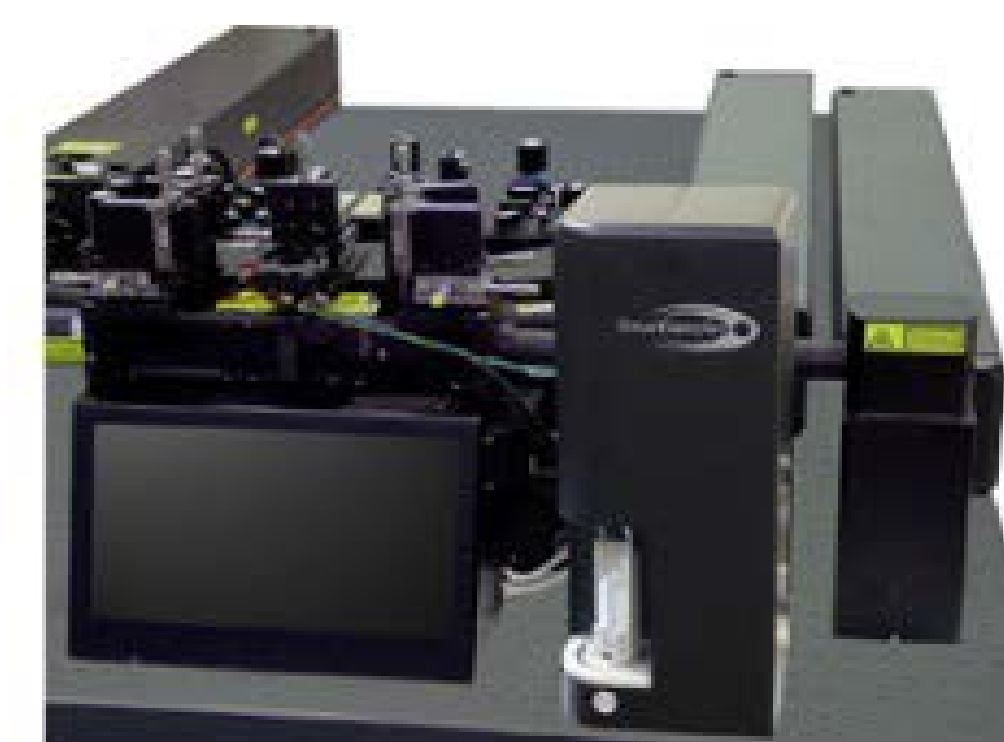
Bio-Rad S3

- Two lasers, 4 parameters
- 2-way sorting
- BL2 and self-running allowed



Moflo Legacy

- Three lasers, 9 parameters
- 2-way and plate sorting
- Bacteria and Yeast allowed



Large Particle Sorting

Union Biometrica Biosorter

- Three lasers, 6 parameters
- Flow cell sizes from 250 - 2000 microns
- Sort particles >30, such as:
 - C. elegans,
 - Drosophila embryos
 - Zebrafish larvae
 - Adipocytes



Cell Counting

Logos Luna FL Cell Counter

- Cell count, size, and viability
- Fluorescent live/dead stain or trypan blue



Beckman Coulter Multisizer 3

- Determine size and concentration
- Assess cells or particles
- Wide size range



Contact Information

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