

BD FACSCalibur Flow Cytometer

Manufacturer: Becton Dickenson

SKU#: 8044-30-1001



- Fixed optical assembly
- Optical coupling
- Background rejection
- Forward scatter detector and filter
- Side scatter detector
- Fluorescence detectors and filters
- Forward and side scatter sensitivity
- Forward and side scatter resolution

Product Description

The BD FACSCalibur Flow Cytometer is an innovative platform used for both cell analysis and cell sorting in a single benchtop unit. The system is designed with a multicolor application support which allows accommodation of a wide range of laboratory and clinical applications. Engineered to improve laboratory productivity, the BD FACSCalibur system offers an easy-to-use software, multisample loading options, and intuitive instrument and fluidics control. The BD FACSCalibur system is fully modular, thus allowing easy upgrade to satisfy specific application needs. Other added functions of the BD FACSCalibur include optical coupling, background rejection, clear signal detection, and red-diode (635-nm) laser signal rejection, among others. Call us today to learn more about the BD FACSCalibur Flow Cytometer!

BD FACSCalibur Flow Cytometer Specification

BD FACSCalibur Flow Cytometer Specifications

Laser	488-nm, air-cooled Argon ion-laser, 15 milliwatt, life expectancy > 5,000 hours; 635-nm, air-cooled red diode laser (optional)
Fluorescence Sensitivity	Estimated detection limit is 200 FITC equivalent molecules per particle
Fluorescence Resolution	Coefficient of variation in FL2-Area of
Forward and Side Scatter Sensitivity	Sensitivity enables the separation of fixed platelets from noise
Forward and Side Scatter Resolution	Scatter performance is optimized for resolving lymphocytes, monocytes and granulocytes
Sorting Specification	
Purity	>95%
Rate	Up to 300 cells per second
Modes	Single Cell, Exclusion, and Recovery

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