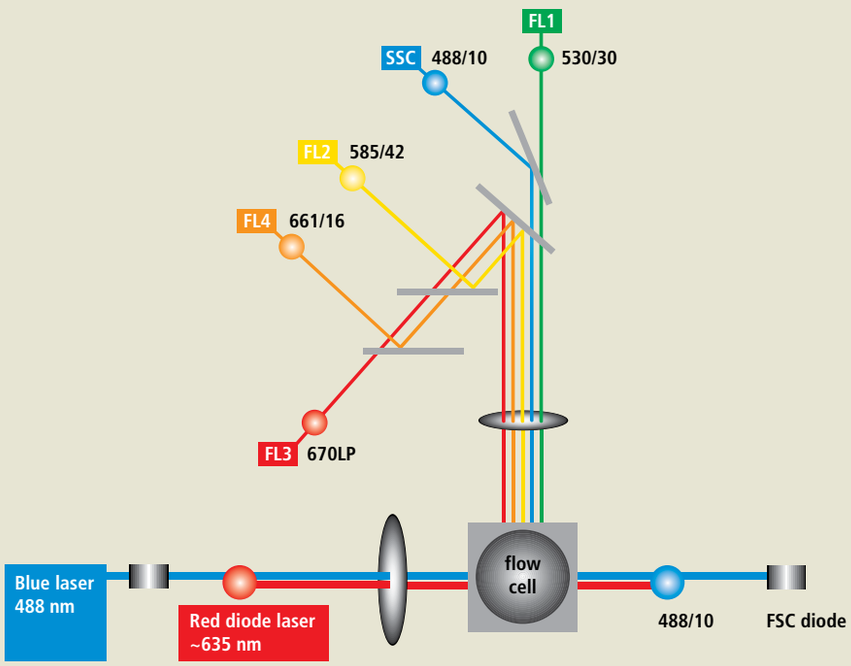
Performance and simplicity when it counts

The BD FACSCalibur is a fully integrated multiparameter system that has the performance and sensitivity to ensure objective and reproducible results vital to laboratories worldwide.

Optical path configuration
Flow cytometry has evolved rapidly to incorporate the use of multiple fluorochromes to effectively identify and isolate subset populations in a single sample. This maximizes the information gained from limited samples and makes the assays more cost effective.

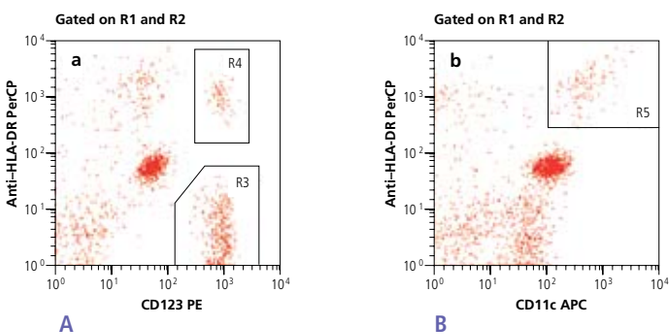
The first system to provide standard multicolor analysis capabilities with the use of dual-laser technology, interbeam compensation, and an alignment free optical design, the BD FACSCalibur system ensures high sensitivity, minimal compensation, and maximum flexibility in choice of fluorochromes.

This high performance system is a valued tool worldwide for routine cell analysis, assay development, verification, and identification of cellular populations of interest.



BD FACSCalibur optical path configuration

Rare-event analysis
A growing number of flow cytometry–based assays depend on rare-event detection. For example, in the characterization of subpopulations of stem cells, millions of cells are analyzed to achieve a statistically significant sampling of the subset of interest. Advanced applications like this require a flow cytometer capable of high-speed analysis. The BD FACSCalibur system features a multiparameter triggering system that allows a user to accelerate the analysis by electronically eliminating events from onboard processing.



A Region R3 defines basophils and region R4 defines CD123+ DCs (0.14% of total).

B Region R5 defines CD11c+ DCs (0.21% of total).