

RESEARCH

BD FACSCelesta™

The BD FACSCelesta™ flow cytometer is designed to make multicolor flow cytometry more accessible and allow researchers to benefit from new innovations in instrument and reagent technology. Parallel advances in optical and reagent technology are pairing multi-laser, multi-detector instruments with bright new dyes, enabling increasingly deep and powerful insights in cell analysis.

The BD FACSCelesta platform offers four configurations, each optimized to enable use of traditional as well as innovative BD Horizon Brilliant™ dyes that can help you detect low-density antigens and rare populations. These advanced dyes minimize spectral overlap and simplify experimental design and analysis for experienced researchers as well as those new to flow cytometry. The system has been designed to fit on the benchtop and leverages the proven BD FACSDiva™ software to streamline workflow from system setup to data acquisition to data analysis.

The BD FACSCelesta platform, while enabling higher levels of multicolor applications, remains easy to adopt in the laboratory. The BD FACSDiva software, already used by many researchers worldwide, simplifies setup, operation, panel design, and compensation. It requires minimal training while providing researchers confidence in the consistency and reliability of their data.

The BD FACSCelesta system harmonizes all of the above advances in a device that fits neatly on your benchtop, yet its optical subsystem allows detection of up to 14 parameters using three lasers.