BD FACSDiscover™ A7 Cell Analyzer

with BD SpectralFX™ and Advanced Standardization Technology

State-of-the-art Spectral Performance

Advanced Standardization

Automation with Integrated Autoloader

Ease-of-Use

COMING SOON!

Embrace the future of flow cytometry with the BD FACSDiscover™ A7 Cell Analyzer. Compact yet powerful, the BD FACSDiscover™ A7 Cell Analyzer is designed to elevate your evolving research by unlocking spectral flow cytometry and advanced standardization in one seamless workflow. BD SpectralFX™ Technology, Detector Setting Independent scaling, and automation features are designed to make your research better, simpler and more consistent.

BD SpectralFX™ Technology: where high performance meets color versatility

BD SpectralFX™ Technology redefines spectral flow cytometry by integrating full-spectrum optics, optimized hardware and system-aware unmixing algorithms to enhance spectral resolution and sensitivity.

Step into the future of advanced standardization

Detector Setting Independent (DSI) scaling, a unique feature of the BD FACSDiscover™ Platform, redefines flow cytometry standardization by delivering consistent data scaling within and across instruments without requiring users to fix detector settings.

Features

State-of-the-art spectral performance: BD SpectralFX™ Technology streamlines the spectral workflow with guided software, automated detector setup, and a next-generation setup and QC system that deliver consistent, high-quality results with minimal startup time. Its optimized full-spectrum optical design and system-aware unmixing algorithm maximize the color palette while preserving strong spectral resolution and sensitivity. Supporting up to five lasers and 78 fluorescence detectors, the modular optical design optimizes detector count with minimal optical loss and enables high-resolution spectral flow cytometry at event rates up to 35,000 events per second. LED-based noise calibration detector and real-time noise estimates help manage spread of unmixed populations across the spectrum.

Advanced Standardization: The BD FACSDiscover™ Platform's delivers next-generation setup and QC with a unique, comprehensive, and automated system calibration. This novel standardization improves repeatability and reproducibility across experiments, both inter- and intra-instrument. When combined with DSI scaling, the BD FACSDiscover™ A7 Cell Analyzer strengthens data consistency **without having to rely on detector setting adjustments** and improves your flow cytometry workflows. DSI enablement through BD FACSChorus™ Software further elevates the BD FACSDiscover™ Platform, setting higher standards for the future of standardization.

Automated workflow: Enhance your workflow with a fully integrated autoloader that automates sample acquisition for greater efficiency and reproducibility. Designed for continuous, hands-free operation, it minimizes manual intervention and saves valuable time — whether you're processing just a few samples or a full plate. With the industry's lowest sample carryover and dead volume, rapid throughput, automated shutdown, intelligent error detection and advanced temperature control with agitation, the autoloader on the BD FACSDiscover™ A7 Cell Analyzer maximizes sample use and preserves sample integrity, helping researchers achieve consistent, high-quality results with minimal effort.

Ease-of-Use: Simplify complex workflows and reduce setup time. The BD FACSDiscover™ A7 Cell Analyzer with BD FACSChorus™ Software offers an intuitive, user-friendly interface, and is supported with features that enables 21 CFR Part 11 compliance. The step-by-step guided workflow in the software shortens learning curves and helps you get your results quickly.

LEARN MORE

Elevate your spectral data with built-in standardization at: **bdbiosciences.com/A7**.

BD flow cytometers are Class 1 Laser Products. For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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