

BD FACSPresto™ System

The BD FACSPresto™ System uses multicolor fluorescence imaging and absorbance spectrometry microscopy to perform direct enumeration of CD4 absolute count, CD4 percentage of lymphocytes and hemoglobin concentration. The system features an embedded computer system, a touchscreen graphical user interface and an integrated printer. Easy to use, the BD FACSPresto™ Instrument can operate on battery power and stores up to 12,000 results, which can be exported to a USB flash drive. The system can automatically perform instrument and reagent quality control and report pass/fail status to the user with every test result.

A disposable, single-test unit, the BD FACSPresto™ cartridge contains a disc of dried reagent with antibody-fluorophore conjugates to stain white cells for CD4 absolute count and %CD4. These fluorophores have been chosen for compatibility with the BD FACSPresto™ instrument. The cartridge does not require refrigeration and operates in a wide range of environmental settings. A containment zone catches any excess sample. Each cartridge has a channel to hold the sample to be processed, a cap for biohazard containment and a 2D barcode label with printed cartridge and reagent expiration dates, as well as volume and an area to write patient ID information.

The workflow for the BD FACSPresto™ system is flexible, simple and fast. A single sample can be run, or multiple samples can be prepared as a batch using the work station for higher throughput. The operator adds a sample into the cartridge inlet port using a pipet, or adds a drop of fingerstick blood directly into the cartridge inlet, closes the cap and allows the cartridge to incubate outside the instrument for 18 minutes. During this time, the sample flows through the reagent disc and into the channel, where the fluorescent antibody conjugates stain the white cells. When incubation is complete, the operator removes the channel protector strip and inserts the cartridge into the BD FACSPresto™ instrument.

Then the instrument automatically detects the presence of functional reagent and takes images of the stained cells in multiple fluorescence excitation/emission combinations. Embedded software analyzes the images, classifies the cells and reports the results. The imaging and analysis take just 4 minutes.



Ordering information

Product	Cat no.
BD FACSPresto™ System	660745
BD FACSPresto™ Cartridge Kit (100 tests): includes 100 cartridges (cat no. 657681) and the BD FACSPresto™ fingerstick sample collection kit (cat no. 657682) (100 lancets, 100 alcohol pads, 100 nonwoven sponges, 100 plastic bandages)	660747
BD FACSPresto™ Cartridges (100 tests): includes 100 cartridges and 100 BD® Disposable 100-µL Pipets	660746

Visit bdbiosciences.com for more information.

For In Vitro Diagnostic Use.

23-21047-00 US

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