

BD FACSPresto™ Near-Patient CD4 Counter

The BD FACSPresto™ near-patient CD4 counter 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 finger-stick 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 four minutes.



Ordering information

Product	Cat. no.
BD FACSPresto Near-Patient CD4 Counter	651000
BD FACSPresto Cartridge Kit (100 tests): includes 100 cartridges (cat. no. 657681) and the BD FACSPresto™ finger-stick sample collection kit (cat. no. 657682) (100 lancets, 100 alcohol pads, 100 non-woven sponges, 100 plastic bandages)	655495
BD FACSPresto Cartridges (100 test): includes 100 cartridges and 100 BD disposable 100 µL pipets	657681

Visit bdbiosciences.com for more information.

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Accessories

The BD FACSPresto instrument is shipped with the following accessories:

- Work station used for placement of BD FACSPresto Cartridges during sample incubation
- Instrument cover to protect the instrument from dust when not in use
- Power supply for the instrument
- Adapter cords for different regional needs
- USB flash drive
- Thermal printer paper

Optional accessories

These optional items can be included at the point of purchase or ordered later separately:

- BD FACSPresto instrument carrying case: A robust, reliable carrying case to transport the BD FACSPresto instrument and accessories.
- BD FACSPresto solar charge kit (includes solar panel, solar generator, and power supply): A solar power source solution to charge the instrument's internal battery in the absence or interruption of AC power.
- BD FACSPresto solar generator: A standalone power source, which once fully charged can be used as a back-up battery. It can be charged using a solar source, AC power or a car battery.
- BD FACSPresto car battery charge adapter: A power source to charge the BD FACSPresto instrument battery directly, or to charge the solar generator.
- BD FACSPresto thermal printer paper (1 pack with 10 rolls): 10 rolls of thermal printer paper, enough for 1,200 test results.

Optional accessories ordering information

Product	Cat. no.
BD FACSPresto Solar Charger Kit: includes a solar panel with carrying case, solar generator, and power supply	658212
BD FACSPresto Solar Generator	658885
BD FACSPresto Car Battery Charger Adapter: 12V DC power adapter with car cigarette lighter plug	658860
BD FACSPresto Carrying Case	658210
BD FACSPresto Thermal Printer Paper: 1 pack with 10 rolls	655038

For In Vitro Diagnostic Use.

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