

# BD FACSPresto™ Near-Patient CD4 Counter

The BD FACSPresto™ Near-Patient CD4 Counter includes the instrument, integrated software, sample incubation work station and single-use disposable cartridges.



The system is designed to provide absolute and percentage results of CD4 T lymphocytes and total hemoglobin (Hb) concentration in whole blood samples. The system's unique BD FACSPresto™ Cartridges are designed for use with both finger stick samples and venous whole blood collected in EDTA tubes. The cartridges use dried-down reagents to eliminate cold chain requirements, simplifying storage and reducing cost. A number of features make the system easy to learn and use. Operators simply touch the interface tabs and buttons to navigate the menus and execute desired functions. Onboard videos demonstrate system operations to assist in training and use. The BD FACSPresto™ Near-Patient CD4 Counter incorporates many checks to ensure quality and consistency of testing and is delivered with BD quality and backed by your BD regional team.



# The BD FACSPresto™ Near-Patient CD Counter

## Technical specifications

### BD FACSPresto™ Near-Patient CD4 Counter

#### Dimensions

Height: 28.5 cm (11.22 in)

Width: 25.9 cm (10.20 in)

Depth: 25.1 cm (9.88 in)

#### Weight

6 kg (15.43 lb)

#### Power supply

100–240 VAC, 50–60 Hz

#### Instrument power

3.3 A, 18.5 ± 1 VDC

#### Heat dissipation

Up to 25 watts

#### Storage

0–50 °C (32–122 °F)

#### Operating conditions

10–40 °C (50–104 °F)

Humidity 10–95% noncondensing

Altitude ≤2,500 meters above

sea level

### Instrument accessories

#### Work station

Provides a place to prepare sample collection and manage cartridge incubation. There are 10 individually numbered slots for cartridge incubation.

Individual cartridge slot numbers correspond to an onboard timer on the instrument, which can be accessed from the software.

#### Instrument cover

#### Thermal printer paper rolls

#### Power adapter cords for different regions

#### Power supply for instrument

#### USB flash drive

### BD FACSPresto™ Cartridge

#### Packaging

A kit contains 100 disposable cartridges individually packaged in foil. Each cartridge contains dried reagent and is used for a single test.

#### Contents

The cartridge contains CD4 PE-Cy5/CD3 APC/CD45RA APC/CD14 PE dried antibody reagents. The dried antibody reagents include inert ingredients such as buffer, bovine serum albumin (BSA) and ProClin™ as a preservative.

#### Shelf life

23 months

#### Storage

4–31 °C (39–88 °F), 10–95% noncondensing humidity

#### Cartridge incubation

10–40 °C (50–104 °F)

#### Blood stability

Up to 24 hours after draw if stored in an EDTA tube at 20–25 °C (68–77 °F)

#### Sample stability

Up to 2 hours after addition of specimen

#### Sample throughput

10 patient results per hour

#### Validated range

CD4 count: 50–4,000 cells/μL

%CD4: 5–60%

Hb concentration: 2.0–20 g/dL

For In Vitro Diagnostic Use.

For E.U. under IVDD and IVDR, the BD FACSPresto™ Near-Patient CD4 Counter and BD FACSPresto™ Cartridges are for In Vitro Diagnostic Use.

The BD FACSPresto™ Cartridge is an in vitro diagnostic device bearing a CE marking and is CE certified by BSI Group the Netherlands B.V. (Notified Body Number : 2797).

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