

BD FACSPresto™ System

The BD FACSPresto™ system includes the instrument, integrated software, sample incubation workstation, 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 fingerstick 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. On-board videos demonstrate system operations to assist in training and use. The BD FACSPresto™ system incorporates many checks to ensure quality and consistency of testing, and is delivered with BD quality and backed by your BD Biosciences regional team.



BD FACSPresto™ System

Technical specifications

BD FACSPresto™ Instrument

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 (13.23 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

For In Vitro Diagnostic Use.

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*ProClin is a registered trademark of Rohm and Haas Company.

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Instrument accessories

Workstation

Provides a place to prepare sample collections and manage cartridge incubation. There are 10 individually numbered slots for cartridge incubation. Individual cartridge slot numbers correspond to an on-board 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-Cy™5*/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

12 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

