

Point of Care Platelet Counting Made Easy



Quality counts can be made with minimal training. Take a drop of blood or PRP. Prepare sample. Fill the disposable slide, load in the PC100 and press start. The smart algorithms fully automatically count and analyze the sample. Results are typically available in 4 minutes.



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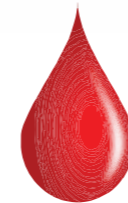
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PC100 PLATELET COUNTER FAST & ACCURATE

Accurate thrombocyte counting delivering counting results in minutes using only a minute drop of blood (20 μ l) or PRP (10 μ l). Validated for counting in whole blood and PRP.

www.dutchmedicaldevices.com



About Dutch Medical Devices BV

Point of care diagnostic devices

Dutch Medical Devices [DMD] is a medtech company focused on point of care diagnostic devices. The company's mission is to bring innovative Point-of-Care diagnostic devices for biomarker measurement to market, making diagnosis and therapy faster, easier, more accessible, and more cost effective. DMD has a Quality Management System according to EN ISO 13485.

Validated Accuracy

The platelet counter PC100 is validated for human whole blood and PRP measurements. The validation ranges for whole blood are 20-600 plt/nl and for Platelet Rich Plasma (PRP) 250-3600 plt/nl. The accuracy is above 95%. The validation was performed by Maastricht UMC+, Clinical Thrombosis & Hemostasis Department in the Netherlands.



The PC100 is a complete solution consisting of the counting device and disposables available for whole blood or PRP. The disposables consist of biochemical reagent and counting slides.

Technical Specifications

PC100 Platelet Counter

Processing time (both chambers) : typically 4 minutes, exceptions up to 8 minutes.

Device dimensions: 120 x 230 x 310mm (W x D x H)

Weight: 5kg

Power Supply (supplied):

Input: 100 to 240 VAC, 50Hz/60Hz

Output: 24 VDC, 2.5 A, EN60601 compliant

CE-marking: In Vitro Diagnostic Device class A, in conformity with the IVD Regulation 2017/746. In conformity with EN15223-1:2021, EN ISO 20417:2021, EN ISO 18113-1:2011, EN ISO 18113-3:2011, EN 13612:2002, EN 61010-2-101:2017, EN 61326-2-6:2013, EN 62304:2006+A1:2015, EN 62366-1:2015+A1:2020 and RoHS Directive 2011/65/EU.

PC100 Software & Computer

Analysis & user interface software runs on Windows 10/11 (64 bit) operating system, Installation executable supplied.

Computer (not supplied) recommended Intel i7, 8GB RAM, 1 x USB3.0, Windows 10/11 (64bit)

Disposables

Single use counting slides with 2 counting chambers coated glass

Eppendorf vials with reagent

Whole Blood Count

Color Eppendorf vials: clear

Measurement range: 20-600 platelets / nL

Sample size: 20µL

Dilution factor: 1 :25

Platelet Rich Plasma [PRP] Count

Color Eppendorf cups: green

Measurement range: 250-3600 platelets / nL

Sample size: 10µL

Dilution factor: 1 :100



How the PC100 is Different From Others

The PC100 is the only validated point of care platelet counter that is truly easy to use with minimal training.



Easy to install. Low maintenance. No calibration. Highly portable. No complicated and time consuming cleaning steps.



Accurate results over the whole range. From extremely low platelet counts (relevant during cancer treatment) to high PRP values as used in wound therapy and cosmetics.



Requires super small amounts of blood (20µL) or PRP (10µL).

