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 available within 8-15 min.

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PC100 PLATELET COUNTER
FAST & ACCURATE

DMD
Dutch Medical Devices

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

www.dutchmedicaldevices.com

About Dutch Medical Devices BV

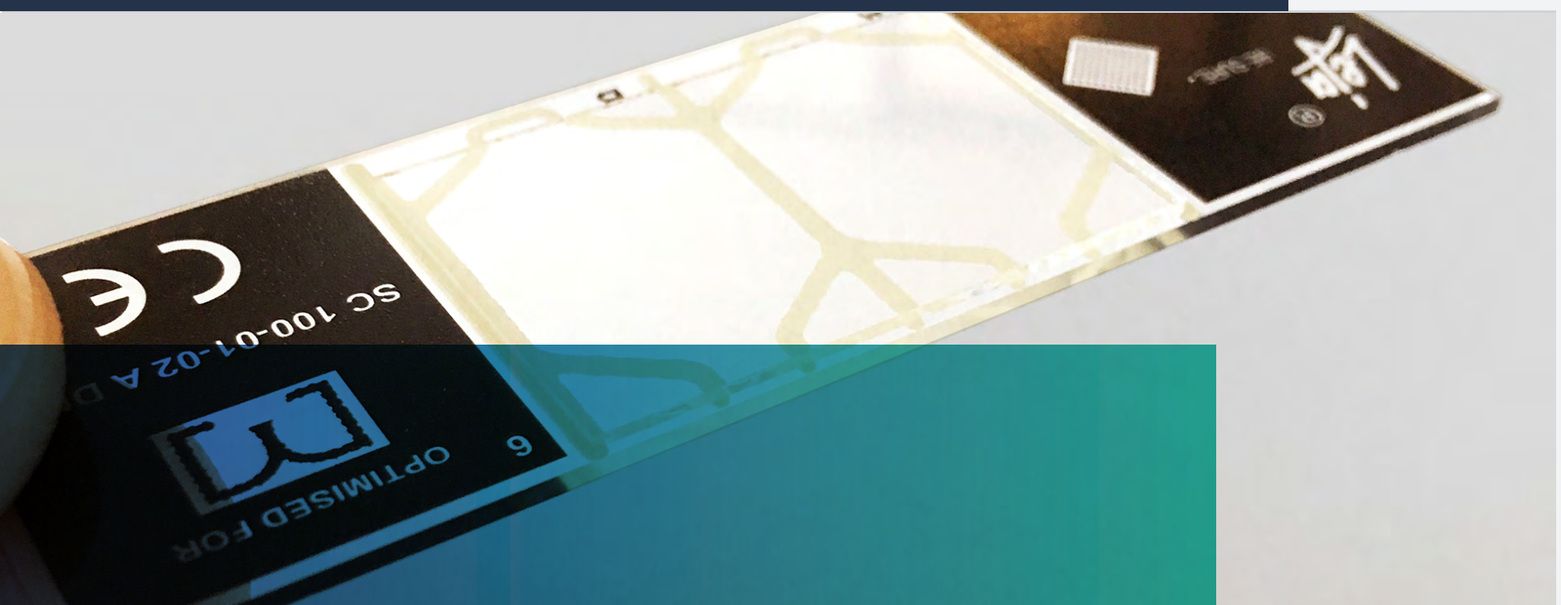
Point of care diagnostic devices

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 disposable kit available for whole blood or PRP. A disposable kit consists of biochemical reagent and dispos-able counting slides.



Technical Specifications

PC100 Platelet Counter

Processing time (both chambers) : 8-15min

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

Certification: In Vitro Diagnostics Devices, non-Annex II List A and B in conformity with the Council Directive98/79/EC. In conformity with EN15223-1:2016, EN13612:2002, EN ISO18113-1:2011, EN ISO 18113-3:2011, EN61010-101:2002, EN61326-2-6:2006, EN62304:2006, EN 62366:2008 and 2011/65/EU.

PC100 Software & Computer

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

Computer (not supplied) recommended Intel i7, 2.4GHz, 8GB DRAM, 250GB SSD/HDD, 1 x USB2.0 + 1 x USB3.0 or 2 x USB3.0, Windows 10 (64bit)

Disposable kits

Singe 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 maintainance. 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).