scil vCell 5
Technical Data and Specification

Technical Data

Species: Dog, Cat
Parameter: WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, EOS%, BAS%, RBC, HGB, HCT, MCV, RDW, MCH, MCHC, PLT, MPV, PCT, PDW, P-LCR%, P-LCC
Histogram: RBC and PLT
Scattergram: WBC
Sample Volume: 30 µl EDTA whole blood
Performance: 50 measurements per hour
Technology: • laser-based leucocyte determination
• impedance-based erytrocyte and platelet determination
• photometric hemoglobin detection
Data Storage: 40,000 results inkl. histograms
Display: 10.1 Zoll LCD touchscreen display
Dimension: 28 x 22 x 32 cm (H x B x T)
Weight: 9.4 kg

Your benefits for your Clinic:
• combined laser and impedance measurement method for accurate measurement results
• latest microfluid technology for a low reagent consumption
• environmentally friendly due to low reagent consumption and sustainable production
• small space requirement, one DIN A4 sheet is enough
• modern touchscreen display for your lab equipment
• simple menu navigation: tap and swipe like a mobile phone
• bidirectional communication with your practice management software possible

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Vers. ENG20171214
The scil vCell 5 uses laser based flow cytometry with forward-scattered light detection and volumetric impedance measuring method. It assures accurate results with combined measuring procedures.

5-part differentiation with scattergram
The scil vCell 5 determines a complete hematological blood count with 26 parameters including a WBC scattergram, RBC and PLT histograms.

Microfluid technology to reduce reagent consumption
The scil vCell 5 is based on the latest hematology microfluid technology! This innovative technology reduces reagent consumption by approximately 75% compared to devices based on traditional technology.

Combined measuring method
The scil vCell 5 uses laser based flow cytometry with forward-scattered light detection and volumetric impedance measuring method. It assures accurate results with combined measuring procedures.

Economically valuable
High throughput, low cost of ownership and low sample volume make the scil vCell 5 an efficient hematology system for everyday laboratory use.

Smallest sample quantity
The scil vCell 5 requires one drop of blood for a complete measurement. The system aspirates 30µL of whole blood, but actually uses only 2 x 1µL - the smallest sample volume ever processed by a hematology device.

Ecologically sensible
Small reagent volumes help to minimize the use of laboratory chemicals. By reducing the transport volume and using a „green“ printer concept, the scil vCell 5 helps to save a significant part of the running costs, to keep test costs low and to protect the environment.

Modern menu navigation
The space-saving scil vCell 5 features a 10” high-resolution touchscreen display that uses the same controls as your smartphone. „Swipe and tap“ instead of „press and scroll“ is therefore the motto and allows you a completely new, time-saving interaction with your scil vCell 5. The „look and feel“ of the scil vCell 5 meets your modern practice equipment!

Bi-directional data transmission
Optimize your laboratory workflows with bi-directional data transmission: Send a lab order from your examination room to the scil vCell 5, and the scil vCell 5 sends the measurement result back to your practice management software. scil vCell 5 saves time without double input of patient data.

Remote maintenance
scil vCell 5 uses remote access to be remotely adjusted and controlled. The unique connectivity feature enables time-saving maintenance and quick support. scil vCell 5 makes remote trouble shooting easier.

Small reagents in the scale 1:1
This device also fits in your practice!