scil vCell 5

Technical Data and Specification

**Technical Data**

- **Species:** Dog, Cat, Horse
- **Parameter:** WBC, LYM, MON, NEU, EOS, BAS, LYM%, MON%, NEU%, E05%, BAS5%, 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 erythrocyte and platelet determination
  - photometric hemoglobin detection
- **Data Storage:** 40,000 results incl histograms
- **Display:** 10.1 Zoll LCD touchscreen display
- **Dimension:** 28 x 22 x 32 cm (H x B x D)
- **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 analyser footprint, same size as an A4 sheet
- modern touchscreen display for your lab equipment
- simple menu navigation: tap and swipe like a mobile phone
- bi-directional communication with your practice management software
The scil vCell 5 provides accurate results using a combined measuring process with both impedance and laser. The laser based flow cytometry with forward-scattered light detection and volumetric impedance measuring ensures the most accurate results every time.

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.

Reduce reagent consumption with microfluid technology
The scil vCell 5 has been developed using the latest haematology micro fluid technology. This innovative technology means you can reduce reagent consumption by approximately 75% compared to devices using more traditional technology, helping the environment.

Combined measuring method
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Bi-directional data transmission
Optimise your workflow and save time with bi-directional communication. Send a lab order from your exam room to the scil vCell 5, and the analyser will send the measurement result back to your practice management system.

Remote maintenance
The scil vCell 5 boasts remote access which allows the machine to be remotely adjusted and controlled. This means time saving maintenance, support and remote trouble shooting are easier, and more convenient.

Environmentally friendly
Reduced reagent volumes help to minimise the use of laboratory chemicals and the ‘green’ printer concept helps to reduce running costs and to protect the environment.

Value for money
High throughout, low cost of ownership and small sample volume make the scil vCell 5 an efficient haematology system for everyday use.

Small sample volume
With the scil vCell 5 you only need one drop of blood for a complete measurement. The system aspirates 30 µl of whole blood, but actually only uses 2 x 1 µl – the smallest sample volume ever processed by a haematology machine.

Modern navigation menu
The space-saving scil vCell 5 features a 10” high-resolution touchscreen that uses the same controls as smartphones. ‘Swipe and tap’ instead of ‘press and scroll’ allows you a completely new, time-saving experience. The look and feel of the scil vCell 5 brings blood analysis into the 21st century.

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