



Swelab™ Lumi hematology analyzer

Enlightening your opportunities

Providing you access to a reliable and user-friendly, yet cost-effective 5-part hematology analyzer.

Swelab Lumi hematology analyzer

Swelab Lumi is an entry-level 5-part hematology analyzer intended for the cost-minded clinical laboratory. The user-friendly design makes system operations easy. Robust software and hardware components ensure a reliable instrument performance. With its small footprint, Swelab Lumi is well suited for the typical physician office laboratory.

Designed with the operator in mind

Swelab Lumi is designed to simplify work processes and give users better control of sample results and patient records. The intuitive user interface promotes smooth operation, with simple-to-understand and easy-to-navigate menus. Instrument features such as the open probe design and the selected leaning angle of the screen contribute to an ergonomic working environment.



Easy-to-use display simplifies system handling.

Reliability when it counts

Swelab Lumi provides accurate test results from small sample volumes. Stringent material selection and the intelligent design of system components ensure a reliable instrument performance. With a variety of connection options, exchange of patient data between laboratories is greatly facilitated.

Providing you access to sophisticated diagnostics

Its space-saving compact design makes Swelab Lumi well-suited for the smaller clinical laboratory. Together with a maximized uptime enabled by the robust system performance, the need of only three reagents ensures cost-efficient operations.

Swelab Lumi brings you the opportunity to leverage high-quality diagnostics, while keeping costs to a minimum.



A compact design makes the system suitable for confined spaces.



Large high-resolution touch screen for operator convenience.

Ergonomic design simplifies system handling.

Support of USB, LAN, and bidirectional LIS for flexible connection options.

Laser-based flow cytometry for WBC differential, with separate channel for basophils for a more precise count.

Electrical impedance method ensures accurate identification of RBC and platelets.

Photometric determination of hemoglobin.

Specifications

Parameters

29 parameters:

- RBC, MCV, HCT, RDW-SD*, RDW-CV, HGB, MCH, MCHC
- PLT, MPV, PCT*, PDW*, P-LCC*, P-LCR*
- WBC, LYM#, LYM%, MON#, MON%, NEU#, NEU%, EOS#, EOS%, BAS#, BAS% AL#*, AL%*, IG#*, IG%*

Throughput

Up to 60 samples/h in CBC mode

Up to 45 samples/h CBC + 5-part WBC differential

Sample analysis

Samples: Venous blood, capillary blood, and pre-diluted

Sampling system: Open tube aspiration

Aspiration volume:

- CBC: 20 μ L
- CBC + DIFF: 25 μ L

Precision

CV WBC: $\leq 2.0\%^\dagger$, CV RBC: $\leq 1.5\%^\dagger$, CV MCV: $\leq 1.0\%$,
CV HGB: $\leq 1.5\%$, CV PLT: $\leq 6.0\%$

Reagents

3 RFID locked reagents and one cleaner used for analysis: Swelab Lumi-D Diluent, Swelab Lumi-L1 Lyse, Swelab Lumi-L2 Lyse, and Boule EasyCleaner

Display

10.4 inch TFT touch screen

Data storage capacity

50 000 samples

Interface ports

4 USB ports, 1 LAN port that supports bidirectional HL7 protocol

Printout

External laser printer or inkjet printer, various printout formats and user-defined formats

Dimension

364 mm (L) \times 431 mm (W) \times 498 mm (H)

Weight

28 kg

* Parameter for research use only.

† Above 2000 m, CV WBC $\leq 3.5\%$ and CV RBC $\leq 1.8\%$.

Boule Diagnostics AB is a diagnostics company that develops and manufactures systems and consumables for hematology diagnostics for public healthcare providers worldwide. The company is primarily focused on small and medium-sized hospitals, clinics, and laboratories in outpatient care as well as other diagnostics companies in both human and veterinary hematology. The group comprises operating subsidiaries in Sweden, the US and China. Since 2011, Boule Diagnostics shares are traded on NASDAQ OMX Nordic.

Swelab hematology analyzers Still counting. Since 1956.

For more information about Swelab Lumi,
please visit swelab.se/lumi

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