



Swelab™ Lumi hematology analyzer

Enlightening your opportunities

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



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%*

* Parameter for research use only

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%, CV RBC: \leq 1.5%, 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

26.5 kg

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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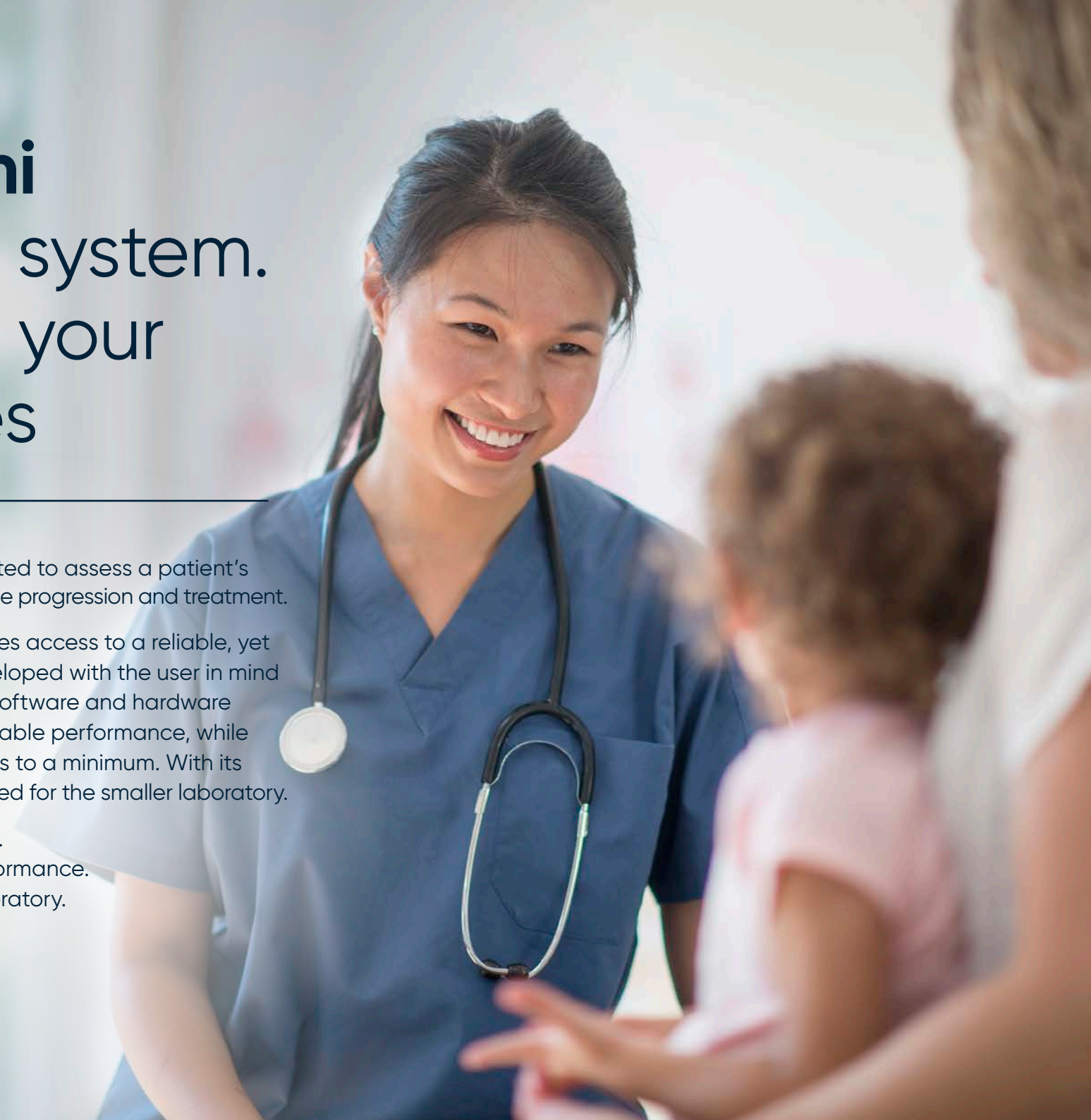


Swelab™ Lumi hematology system. Enlightening your opportunities

A complete blood count is often requested to assess a patient's general health status or to monitor disease progression and treatment.

Swelab Lumi hematology system provides access to a reliable, yet cost-effective hematology system, developed with the user in mind to facilitate operations. Built on robust software and hardware components, Swelab Lumi ensures a reliable performance, while keeping service and maintenance needs to a minimum. With its compact design, Swelab Lumi is well suited for the smaller laboratory.

- Developed to simplify work processes.
- Robust design ensures a reliable performance.
- Small footprint to suit the smaller laboratory.



Technical specification

Parameters

20 for diagnostic use:

RBC, MCV, HCT, RDW-CV, HGB, MCH, MCHC, PLT, MPV, WBC, LYM#, LYM%, MON#, MON%, NEU#, NEU%, EOS#, EOS%, BAS#, BAS%

9 for research use:

RDW-SD, PCT, PDW, P-LCC, P-LCR, AL#, AL%, IG#, IG%

Throughput

Up to 60 samples/h in CBC mode

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

Display

10.4 inch TFT touch screen

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

Sample analysis

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

Sampling system: Open tube aspiration

Aspiration volume: CBC: 20 μ L and CBC + DIFF: 25 μ L

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

Data storage capacity

50 000 samples

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

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

Precision

CV WBC: \leq 2.0%*

CV RBC: \leq 1.5%*

CV MCV: \leq 1.0%

CV HGB: \leq 1.5%

CV PLT: \leq 6.0%

Dimension

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

Weight

28 kg

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