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.

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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 64 samples/h in CBC mode
Up to 48 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 µL and CBC + DIFF: 25 µL

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

Quality control

Tri-level controls (L, N, H)
QC statistics: Mean, SD, CV%, Levey-Jennings and X-bar

Linearity ranges

PLT: $0-3000 \times 10^9$/L
RBC: $0-8.5 \times 10^{12}$/L
WBC: $0-300 \times 10^9$/L
HGB: $0-250$ g/L

Data storage capacity

50 000 samples

Interface ports

4 USB ports, 1 LAN port that supports bidirectional LIS/HIS communication through HL7 protocol

Printout

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

Dimension

364 mm (W) × 431 mm (D) × 498 mm (H)

Weight

28 kg

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