

## Swelab<sup>™</sup> 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.



### **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 µL

• CBC + DIFF: 25 µL

### 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

<sup>\*</sup> Parameter for research use only

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

### **Boule Diagnostics AB**

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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

### Sample analysis

Samples: Venous blood, capillary blood, and pre-diluted Sampling system: Open tube aspiration Aspiration volume: CBC: 20  $\mu$ L and CBC + DIFF: 25  $\mu$ 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

### 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

### **Precision**

CV WBC: ≤ 2.0%\*
CV RBC: ≤ 1.5%\*
CV MCV: ≤ 1.0%
CV HGB: ≤ 1.5%
CV PLT: ≤ 6.0%

### **Dimension**

364 mm (L) × 431 mm (W) × 498 mm (H)

### Weight

28 kg



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<sup>\*</sup> Above 2000 m, CV WBC  $\leq$  3.5% and CV RBC  $\leq$  1.8%.