

Swelab™ Alfa Plus

Equipped to deliver results you can trust

A complete blood count is commonly requested to monitor patients' health status, and the results form the basis for decision-making regarding further testing, diagnosis, and treatment.

With its short analysis time, capillary sample inlet, and low maintenance needs, Swelab Alfa Plus hematology system contributes to efficient health assessments, from patient screening to monitoring of treatment efficacy:

- Complete blood count from a fingerstick sample.
- Rapid results to support early diagnosis and initiation of treatment.
- Robust equipment design that helps ensure instrument uptime.



Swelab Alfa Plus model characteristics

| | Basic | Standard | Cap | Sampler |
|-------------------------------|-------|----------|-----|---------|
| Built-in tube mixer | | • | | • |
| Micro-pipette adapter (MPA) | | • | • | • |
| Shear valve sample aspiration | • | • | • | • |
| Pre-dilution mode | • | • | • | • |
| Cap-piercing device | | | • | • |
| Autosampler | | | | • |

Technical specification

Parameters

16 for diagnostic use
 WBC, LYM, MID, GRAN, LYM%, MID%, GRAN%, RBC, MCV, HCT, PLT, MPV, HGB, MCH, MCHC, RDW%
 6 for research use
 RDW, PCT, PDW%, PDW, P-LCR, P-LCC

Throughput

60 samples/hour
 50 seconds, time to results, OT inlet

Sample volume

Open tube (OT): 110 µL
 Capillary (MPA): 20 µL
 Prediluted: 20 µL
 Cap piercer: 250 µL
 Autoloader: 300 µL

Reagents

2 RFID locked reagents are used for analysis:
 Swelab AlfaDiluent
 Swelab AlfaLyse

Display

7 inch TFT touch screen

Data storage capacity

50 000 samples

Interface ports

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

Printout

Postscript-compatible printers supporting PCL 3/5e

Precision

WBC CV ≤ 3.5%
 RBC CV ≤ 1.8%
 MCV CV ≤ 1.5%
 HGB CV ≤ 1.5%
 PLT CV ≤ 5.2%

Dimension

295 (W) × 475 (D) × 395 (H) mm (Basic/Standard/Cap)
 340 (W) × 475 (D) × 395 (H) mm (Sampler)

Weight

≤ 18 kg (Basic/Standard/Cap)
 ≤ 22 kg (Sampler)

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 Boule Diagnostics AB, Domnarvsgatan 4, SE-163 53 Spånga, Sweden
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