



Swelab™ Alfa Plus hematology system

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

Quality control

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

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

Linearity ranges

PLT: 10–1800 × 10⁹/L
RBC: 0.30–7.00 × 10¹²/L
WBC: 0.20–130.0 × 10⁹/L
HGB: 2.0–24.0 g/dL

Dimension

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

Weight

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

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