

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

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: 0–1800 × 10⁹/L

RBC: 0.30–7.00 × 10¹²/L

WBC: 0.20–130.0 × 10⁹/L

HBC: 2.0–24.0 g/dL

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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