



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 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.

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| 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 | Sample volume | Display |
|---|--|--|
| 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 | Open tube (OT): 110 µL Capillary (MPA): 20 µL Prediluted: 20 µL Cap piercer: 250 µL Autoloader: 300 µL | 7 inch TFT touch screen |
| Data storage capacity | Reagents | Quality control |
| 50 000 samples | 2 RFID locked reagents are used for analysis: Medonic M-series Diluent Medonic M-series Diluent Lyse | Tri-level controls (L, N, H) QC statistics: Mean, SD, CV%, Levey-Jennings and X-bar |
| Linearity ranges | Throughput | Interface ports |
| PLT: 0–1800 × 10 ⁹ /L RBC: 0.30–7.00 × 10 ¹² /L WBC: 0.20–130.0 × 10 ⁹ /L HBC: 2.0–24.0 g/dL | 60 samples/hour 50 seconds, time to results, OT inlet | 4 USB ports, 1 LAN port that supports LIS/HIS communication through, HL7 protocol |
| Printout | Dimension | Weight |
| Postscript-compatible printers supporting PCL 3/5e | 295 mm (W) × 475 mm (D) × 395 mm (H) (M32B, M32M, M32C) 340 mm (W) × 475 mm (D) × 395 mm (H) (M32S) | ≤ 18 kg (M32B/M32S/M32C) ≤ 22 kg (M32S) |



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