Swelab hematology analyzers
Better equipped than ever before

In the prime of its life!

Swelab Alfa Plus hematology systems raise quality and reliability to even higher levels.

Swelab

Better equipped to deliver results you can trust

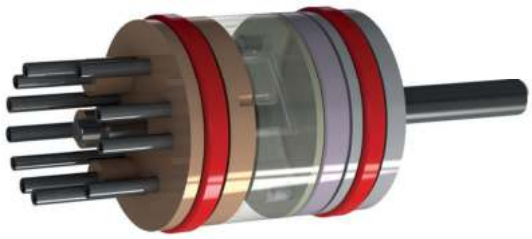
Building on a proud tradition dating back to 1956, Swelab Alfa Plus analyzers now come packed with the latest user-friendly technologies that make it even easier for you to obtain, analyze and share accurate hematology results.

Swelab is in the prime of its life, raising quality and reliability to ever-higher levels. There's never been a better time to put one in your lab.

Accuracy you recognize and appreciate

Every Swelab Alfa Plus analyzer comes equipped with a high-precision shear-valve. No other sampling technique collects blood as precisely as a shear valve. It's a critical part of the measurement that you'll see reflected in the accuracy of every result you report. It ensures that Swelab remains at the very forefront of hematology analysis – the one instrument you know you can trust.

Furthermore, not only is the Swelab shear valve extremely precise, it's also completely maintenance-free. As well as accurate results, you enjoy significantly reduced maintenance costs. The three-year warranty we give on this component further emphasizes the trust we put in its quality and reliability.



Maintenance-free Swelab Alfa Plus shear valve secures accurate results and lowers maintenance costs.

Connect and communicate like never before

To its traditional virtues of reliability and accuracy, Swelab Alfa Plus adds better connectivity and improved communication protocols. Laboratories can now exchange patient results and quality control data with interested parties quicker and more securely than ever before.

All analyzers feature a host of connection possibilities for printers, keyboards, barcode readers, USBs, etc. This better connectivity includes HL7 industrial standard protocol, now available together with the previous XML protocol. LIS connection is via a LAN port. Furthermore, this improved connectivity is very easy to use, as the front-panel USB port demonstrates.

Swelab Alfa Plus analyzer users enjoy improved data communication thanks to a broad selection of connectivity options.

Modern graphical interface boosts user-friendliness

Already renowned for its ease-of-use, Swelab Alfa Plus includes a 7-inch touch-sensitive display featuring a 800 × 480 pixel WVGA color screen with a landscape view.

Simple-to-read and easy-on-the-eye, this modern interface boosts Swelab's user-friendliness even more. Different set-up views, each optimized for different user situations, facilitate routine use. The most common include a sample view showing 'classical' graphs and all parameters. A second sample view features the much-used reference-bar display that makes clear indication if results are outside of their expected range.

Intuitive software simplifies work processes

Powerful software keeps Swelab Alfa Plus instruments in the front line of automated hematology analysis, simplifying work processes and giving users better control of sample results and patient records. ID field-length has been increased to 50 characters and patient memory extended to 50,000 records, for example. The menu system is both simple-to-understand and easy-to-navigate.

Sampling to full CBC in about one minute

Three Swelab Alfa Plus analyzers include MPA micro-pipette adapter sampling. Based on a simple finger prick sample taken directly from the patient, this unique feature transforms Swelab into what is probably the fastest blood cell counter in the world today.

Simply make a finger prick, draw blood into the special 20 µl micro-capillary tube, slide it into the adaptor and insert in the analyzer. In about one minute later, you see the full blood status on the touch-sensitive display. There's no preparation required, no pre-dilution, no vacuum tubes and no needles.

Since making a finger prick is largely painless, MPA is the ideal way to take and analyze blood samples from children. For blood banks, it's the perfect tool for making fast, pre-donation blood testing. It also saves the vein for donation.

PLT extended count

Swelab Alfa Plus provide a PLT extended count feature for more accurate PLT results in the critical low PLT range. In case of patient sample with severe thrombocytopenia detected the analyzer will activate PLT extended count, counting three times as many platelets as in normal count mode, to be able to give a more accurate PLT result. PLT results analyzed with extended count will be marked with an asterisk (*).

Gets on with the job all by itself

Much as you'll enjoy working with your Swelab analyzer, there will be times when you need to leave it to analyze a whole batch of samples by itself.

For these occasions, the Sampler model is the ideal instrument to have on your bench. As the top-of-the-range model in the Alfa Plus series, it's the perfect walk-away analyzer and ideal for many small to medium-sized hospitals. Just pre-load up to 2 x 20 samples and let it do the work!

Part of our Total Quality Concept

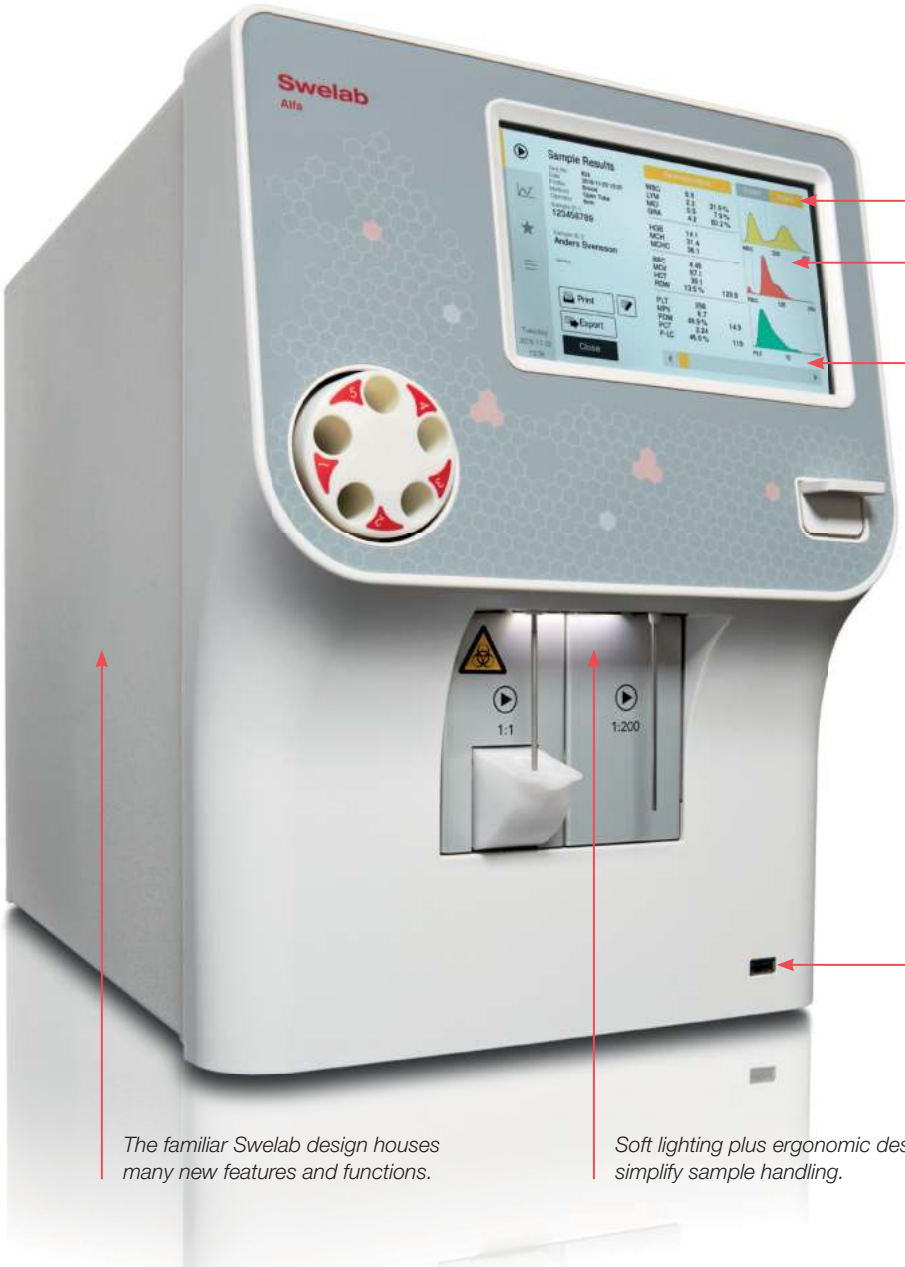
Swelab Alfa Plus hematology analyzers are part of a Total Quality Concept that comprises instruments, reagents, quality control materials and service – an unbroken chain of know-how in quality hematology measurements.

Swelab Alfa Plus analyzers deliver a full CBC from just 20 µl of blood. Perfect for children and blood banks!

Swelab Alfa Plus Sampler is ideal for small to medium-sized hospitals needing walk-away analysis functionality.

Modern user-interface. Its clean, uncluttered design promotes efficient operation and accurate assessment of results.

Pre-load up to 2 x 20 samples and let Swelab Alfa Plus Sampler do the work.



7-inch touch-sensitive display with landscape-view WVGA color screen.

Powerful software with simple-to-understand, easy-to-navigate menus.

Interface design promotes smooth operation and accurate assessment of results.

USB port is evidence of much improved connectivity and communication.

The familiar Swelab design houses many new features and functions.

Soft lighting plus ergonomic design simplify sample handling.

Multiple models for all laboratory needs including unique ‘walk-away’ autosampler

Swelab Alfa Plus Basic – even the basic model includes shear-valve technology.

Swelab Alfa Plus Standard – five-sample mixer is ideal for doctors’ offices and small labs.

Swelab Alfa Plus Cap – closed-tube sampling minimizes risks from contaminated blood.

Swelab Alfa Plus Sampler – for up to 2 x 20 samples. Just load and walk away.

Specifications

Parameters

22 parameters;
WBC, LYM, MID, GRAN, LYM%, MID%, GRAN%, RBC, MCV, HCT, PLT, MPV, HGB, MCH, MCHC, RDW%, RDW, PCT, PDW%, PDW, P-LCR, P-LCC

Throughput

≥ 60 samples/hour
≤ 50 seconds, time to result, OT inlet

Sampling system

Maintenance-free shear valve

Precision

CV WBC:	≤ 1.7%
CV RBC:	≤ 0.9%
CV MCV:	≤ 0.4%
CV HGB:	≤ 0.5%
CV PLT:	≤ 3.0%

Reagents

2 reagents used for analysis

Dimensions and weight

Dimensions: (HWD)	395 x 295 x 475 mm (Basic/Standard/Cap) 395 x 340 x 475 mm (Sampler)
Weight:	≤ 18 kg (Basic/Standard/Cap) ≤ 22 kg (Sampler)

Data storage and interface

QC software:	Yes, including Levey-Jennings and Xb
Memory capacity:	50,000 samples
Display:	7 inch WVGA true color (24-bit) touch screen
Interface ports:	1 USB device/4 USB host/1 LAN port

Swelab Alfa Plus Basic *Swelab Alfa Plus Standard* *Swelab Alfa Plus Cap* *Swelab Alfa Plus Sampler*

Model characteristics	Basic	Standard	Cap	Sampler
Built-in tube mixer		•		•
Micro pipette adapter (MPA)		•	•	•
Maintenance-free shear valve	•	•	•	•
Pre-dilution mode	•	•	•	•
Cap-piercing device			•	•
Sampler				•

Swelab hematology analyzers
Still counting. Since 1956.

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