

Technical Specifications*

Sample method	Closed and open tube sampling with automatic sample rotor
Parameters	20 parameters, including 3-part WBC differential: WBC,LYM#,MID#,GRA#,LYM%,MID%,GRA% RBC,MCV,HCT,HGB,MCH,MCHC,RDW-CV,RDW-SD,PLT,MPV,PCT,PDW-CV,PDW-SD
Chambers	3 chambers for diluting whole blood and counting; 1:MIX, 1:RBC, 1:WBC
Reagent system	Isotonic Diluent, Lyse, Cleaner
Aperture diameter	80 µm (RBC/PLT), 100 µm (WBC)
Throughput	60 tests/hour
Sample types	Human(general), male, female, baby, toddler and child (built-in reference ranges)
Clog prevention	High-voltage pulse on aperture in each analysis cycle; chemical cleaning; high pressure backflush of aperture with Cleaner reagent.
Cleaning procedure	High-voltage burst of the aperture, high-pressure back-flush, chemical cleaning of the aperture using Cleaner reagent.
Quality control	6 QC levels, QC parameters include: mean, ± range, SD and CV for all measured and calculated parameters, 16- and 64-day Levey-Jennings charts, separate QC database.
Calibration	1 or 3-measurement automatic and manual (factors) calibration of WBC, HGB, RBC, PLT, MCV, RDW and MPV absolute. Independent calibration of pre-diluted mode.
Multi-user feature (advanced feature)	3-level multi-user operation with selective privilege levels, user identification with ID and password.
User interface	Easy-to-use, menu driven user interface with 6 software buttons (with graphic icons), 6 hardware function buttons, cursor and numeric keys.
Languages available	English, German, Hungarian, Arabic, Bulgarian, French, Greek, Indonesian, Polish, Portuguese, Romanian, Russian, Slovakian, Spanish, Turkish, Vietnamese
Data capacity	Maximum 5000 results with RBC,PLT, WBC 3-part histogram
Host computer interface	USB B port or RS-232 serial link.
Data back-up method	USB mass storage device; Lab data management software.
Software upgrade method	USB A port using USB mass storage device
Printer interface	USB with support for HP printers, color and monochrome printout.
Built-in printer	"Easy Paper Operation" thermal printer module, full report with histograms
Display	320x240 -dots, high-contrast, backlit, color graphics LCD
Keypad	29 foil keys + separate START button, red/green/orange machine state light.
External keyboard	Standard PS/2 compatible or USB
Power requirement	12VDC, 6A, 72W max. operating power.
Power supply unit	External, auto-ranging power unit for 100-120 or 200-240 VAC, 50-60Hz.
Operating temperature	59-86 °F (15-30 °C). Optimal temperature is 77 °F (25 °C).
Dimensions (W x D x H)	350 X 385 X490 mm
Net weight	15 kg.



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Manufactured in
Hungary (Europe)



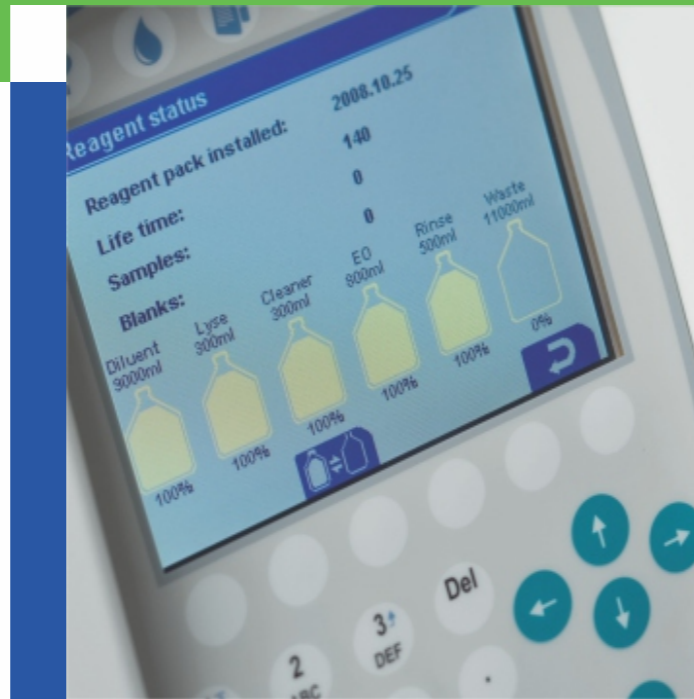
iCount3CP

Innovative Solutions in Hematology



* Iris Healthcare reserves the right to change any of the specifications without prior notice.

iCount3CP



Hematology diagnosis is not a matter of compromise. iCount3CP combines reliability and accuracy with computer-enhanced benefits of handling. iCount3CP is a heavy duty compact analyzer offering an optimal solution for hospitals, clinics and practices, which require high quality and fast CBC and 3-part WBC differential results. Our Hematology analyzers bring the convenience and accuracy of the reference laboratory right into your practice, offering maximum value at low running costs.

High performance

- iCount3CP provides 20-parameters, a complete CBC including a 3 part WBC differential
- High throughput of 60 samples per hour, results within 60 seconds
- The fluidic system is automatically cleaned from dust particles when turning on the analyzer. High voltage pulses after each measuring cycle keep the apertures free from clogging. The instrument automatically cleans the sampling tip inside and outside after blood aspiration to minimize the risk of carryover and infection.



Safe

- Cap piercing feature to enable accurate sampling from closed tubes thus minimising biohazard risks.

Ease of use:

- Color LCD, the large display allows rapid and accurate patient data entry and monitoring of the results with large histograms
- Sample rotor, ensuring safe and easy sampling
- The instrument features a sophisticated but easy-to-use, logically constructed multilingual operating menu. It provides 6-level QC, L-J graphs and self-diagnostic functions to let you monitor reliability and accuracy
- All iCount3CP models can be interfaced with your host computer for further processing of the measured data. Results can also be retrieved on the built-in roll paper printer

Reliable and efficient:

- iCount3CP is almost maintenance free resulting in minimal disruption of operation
- iCount analyzers are small and light. Their compact size makes the instruments ideal for use in smaller clinics requiring minimum desktop space
- Clinical environment by utilizing industry standard electronic and mechanic components

