diatron

Aquarius 3

Simply counts for you!



EVOLUTION NOT REVOLUTION

Aquarius 3

Throughout life, we learn from the simple to the most complex of ideas. At Diatron, our users' requirements are always uppermost in our mind and for this reason we have created the Aquarius 3, our latest 3-part diff hematology analyzer.

Hematology doesn't have to be difficult, CBC with Diatron is as easy as ABC!



ATTRACTIVE

With a sleek, new modern design, the Aquarius 3 interface offers a positive touch and feeling, with all actions designed to increase efficiency, saving time to perform other important tasks.

CLEVER

The new Aquarius 3 software features a high level of patient management and workflow optimization to avoid repetition whilst only having a small reagent consumption. The Aquarius 3 is the ideal analyzer for you to take your workflow to the highest level of competence.



BALANCED

The combination of technology and simplicity gives all the required information, reducing the unnecessary steps to a minimum whilst maintaining the balance between cost and benefit for patients and users alike.

True closed system

The newly printed QR code on the reagent label, together with our long-established hardware key, provides complete protection against the use of non-Diatron reagents in the system.

All critical parameters of our reagents are fully validated prior to release. Our reagents are highly stable, offering a shelf life of up to 48 months from the date of manufacture and up to 120 days of on-board stability.

The combination of Diatron reagents and Diatron analyzers ensure the optimal system performance and quality of results.



SPECIFICATIONS

MEASURING DATA

- Throughput: 80 tests/hour
- Parameters: 28 hematology parameters, including 3-part differential: WBC, LYM#&%, MID#&%, GRA#&%, RBC, HCT, MCV, RDW-cv&sd, HGB, MCH, MCHC, PLT, PCT, MPV, PDW-cv&sd, P-LCC, P-LCR
  6 RUO: PLR, MLR, NLR, Mentzer index, RDWI, Green & King index

MEASURING PRINCIPLE

- Volumetric impedance method
- Light absorbance for HGB measurement

REAGENTS AND SAMPLING SYSTEM

Samples

- Sample volume: 25 µl of whole blood in normal mode, 50 µl of pre-diluted blood
- Sampling method: open tube system
- Calibration: manual or automatic

Reagents

- Environmentally friendly Diluent and Cleaner, cyanide-free Lyse.

QUALITY CONTROL

- Separate QC database
- Levey-Jennings graphs

MEASUREMENT

- 2 counting chambers
- Apertures diameter: 70 µm (RBC/PLT) and 100 µm (WBC)

TECHNICAL FEATURES

- Data capacity: 10,000 results
- Data back-up method: USB mass storage device
- Large list of external printers, pdf printing on USB flash drive
- Built-in thermal printer module, 57 mm wide roll paper
- Display: 800 x 480 dots, color LCD
- Ethernet bidirectional HL7 communication to LIS and/or optional PC
- Software with reagents onboard management and treacibility
- Power requirement: 12 V DC, 5 A, 60 W max.

USAGE

- User interface: Easy-to-use, menu driven with touchscreen
- Languages: English, Indonesian, German, Italian, French, Czech, Portuguese, Polish, Spanish, Vietnamese, Russian, Greek, Hungarian, Bulgarian, Turkish, Romanian, Slovenian
- 1D/2D barcode scanner

DIMENSIONS

- Size (Width x Depth x Height): 28 cm x 40 cm x 37 cm / 11" x 16" x 15"
- Weight: 12 kg, (26 lbs)

Reagents for Aquarius 3

Cat. No	Product name	Volume
D5011	Diatro•Cleaner	1 l
D2011HK	Diatro•Lyse-DIFF	1 l
D1012	Diatro•Dil-DIFF	20 l

Cleaners

Cat. No	Product name	Volume
D7011	Diatro•Hypoclean	1 l
D8011	Diatro•Hypoclean CC	100 ml

Analyzer

Cat. No	Descripton	
A3N-1	Aquarius 3 hematology analyzer	

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We are a member of the STRATEC Group I www.diatron.com I sales@diatron.com

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