

Aquarius 3

Simply counts for you!



EVOLUTION NOT REVOLUTION



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 it for this reason we have created the new Aquarius family of analyzers ranging from the simple to the complex

Hematology doesn't need
to be difficult,
CBC with Diatron
just 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.



Aquarius 3

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 new QR code printed on the reagent label, along with our long established hard key, gives full protection from the use of non-Diatron reagents on 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: 22 hematology parameters, including 3-part differential: WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, HCT, MCV, HGB, MCH, MCHC, PLT, PCT, MPV, P-LCC, P-LCR, RDW-CV, RDW-SD, PDW-CV, PDW-SD

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, 56 mm wide roll paper
- Display: 320 x 240 dots, color LCD
- Ethernet bidirectional HL7 communication to LIS and/or optional PC
- Software with reagents onboard management and traceability
- Power requirement: 12V 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
- 1D/2D barcode scanner

DIMENSIONS

- Size (Width x Depth x Height): 33 cm x 31 cm x 38 cm / 13" x 10" x 15"
- Weight: 12 kg, (26 lbs)

REAGENTS FOR AQUARIUS 3

SAP Cat. No	Cat. No	Product name	Pack size
10289777	D50116x1	Diatro*Cleaner 6x1 A3	6 x 1 l
10289778	D2011HK6x1	Diatro*Lyse-DIFF 6x1 L (HK) A3	6 x 1 l
10289742	D1012	Diatro*Dil-DIFF - 20 LA3	20 l

CLEANERS FOR TUBE DECONTAMINATION

SAP Cat. No	Cat. No	Product name	Pack size
10023273	D6011	Diatro*Clenz - 1L	1 l
10037820	D7011	Diatro*Hypoclean - 1L	1 l
10023301	D8011	Diatro*Hypoclean CC	100 ml

ANALYZER

SAP Cat. No	Description
10265097	Aquarius 3 hematology analyzer

diatron●●

* Other sizes of reagents are available:
Diatro*Cleaner 5 l 10023253 (D5015)
Diatro*Clenz 1 l 10023279 (D6015)
Diatro*Clenz 5 l 10023279 (D6015)

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