

Aquila

PRECISE CBC,
EVERYWHERE, ANYTIME



BRINGING CBC TESTING CLOSE TO YOU

Diatron has utilized its many years of expertise in developing and manufacturing hematology analyzers to produce the Diatron Aquila: an innovative and revolutionary instrument that is suitable for many testing scenarios such as

satellite, routine laboratories and near patient testing. The Aquila features a unique sampling procedure that has been clinically validated for accuracy and efficiency.

FAST AND RELIABLE

Accurate results with regular and micro-sampling collection tubes with only 20 µl blood required and results in less than 1 minute.

ENHANCED PATIENT CARE at the bedside

Supports faster clinical decisions and immediate intervention in near-patient testing such as physician offices, and clinics.



USER FRIENDLY

Large touch screen with specially designed user interface for non-experienced operators – User-friendly and good LIS connections.

LOCATION VERSATILITY

Lightweight and small foot print analyzer, suitable for remote areas, ICUs, emergency rooms or doctor's offices.

SAFE & SMART

Full reagent traceability. Easy, safe and biohazard-free on-board integrated reagent pack and waste, with up to 60 days stability on the analyzer allows complete cost control.

OPTIMIZED OPERATOR SAFETY

Maximizes operator safety through automatic waste collection into the reagent bottle, eliminating manual handling and enabling sealed, overflow-free biohazard disposal.



SPECIFICATIONS

MEASUREMENT

- Throughput: 60 tests/hour
- Parameters: 28 parameters, 3 separate histograms: 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
- Technology: Impedance
- Sample collection: Venous or capillary
- Supported sample tubes: EDTA collection tubes and micro-sampling tubes
- Sample volume: ~20 µl of whole blood
- Unique, patented sampling procedure
- Sampling method: Open and closed tube system with automatic sampling port
- Sample profiles: User selectable

REAGENTS

- Diatro•3P Reagent Smart Pack
- Protected pack

USER INTERFACE

- Display: Capacitive 10.1", TFT Touch Screen, 1280 x 800 resolution
- Data storage capacity: Up to 10,000 results including histograms
- Printer options: USB printers supported by Windows™
- User interface: Intuitive, logical, easy to use GUI
- User assignment options: Various user management levels
- LIS communication: HL7 protocol
- Log file: Displays history of analyzer actions/errors
- User languages: English, German, Italian, Indonesian, Greek, Spanish, French, Romanian

QUALITY CONTROL

- QC functions: The trend function allows to display the selected records from the database on Levey-Jennings charts
- Extended QC mode: Secondary QC limits for all parameters
- USB Barcode reader: Sample ID, Control blood data upload

PHYSICAL PARAMETERS

- Size (Width x Depth x Height): 32 cm x 27 cm x 37 cm incl. reagent pack 13" x 11" x 14"
- Weight: ~16kg/35 lbs incl. reagent bottle
- Power supply: 24V DC and 3.75 A

COMMUNICATION INTERFACES

- 1 x LAN
- 4 x rear USB ports and 2 x side USB ports
- WiFi/4G dongle support

Analyzers and reagents

Cat. No	Description
AI-I	Diatron Aquila Hematology analyzer
DRP074	Diatro•3P Reagent Smart Pack 4 x

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

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