



Diatron Aquila

Complete blood count versatility



Diatron Aquila

Reduced reagent shipping costs and storage space requirements

Analyzer Overview

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 can be used in any testing scenario such as satellite laboratories, point of care e.g. physician offices and clinics, routine laboratories and possibly more. The Diatron Aquila features a **large touch screen** and an **intuitive user interface** to offer the optimal solution even for the inexperienced user and practices which require a high quality hematology analyzer.

Key Features and Benefits

- **Innovative and convenient** – Its compact size and unique on board reagent pack means that it requires little work and storage space. The analyzer has no external waste connection as the on-board reagent pack also acts as a waste collection system so disposal is safe, easy and “mess-free”
- **Cost saving** – the Diatron Aquila reagent pack significantly reduces shipping and storage costs
- **Easy to use** – Its high resolution large capacitive touch screen and user-friendly interface allows accurate data entry and monitoring of results ensuring fast and efficient operation. Results can be retrieved either on screen or an external printer. For those environments requiring it, the system can connect to a Laboratory Information System (LIS) using the HL7 communication protocol
- **High performance** – The Diatron Aquila provides 3 part differential hematology results with just less than 20 µl of whole blood and can operate in a closed or open tube mode. The system throughput is up to 60 tests/h.
- **Reliable and efficient** – The Diatron Aquila analyzer is almost maintenance-free resulting in minimal downtime and can store up to 10,000 results
- **Portable** – The Diatron Aquila can easily be moved from testing site to testing site and has an optional battery pack when mains power is not available

Diatron Reagents

Our **ISO 13485 certified reagent production** is designed to meet the **highest quality standards** with all lots performance tested before release for sale. Diatro •3P Reagent Smart Pack uses cyanide-free lyse, sodium azide free diluent and has unopened **shelf life up to 24 months** when stored appropriately. The use of the automatically recognized built-in memory chip ensures that only genuine Diatro 3P Reagent Smart Packs are used thus maximizing performance and result quality.



Diatro•3P Reagent Smart Pack

Cat. No.: DRPo74

Sufficient for up to 200 measurements

Measurement

- Throughput – 60 tests/hour
- Parameters – 22 hematology parameters, 3 separate histograms : WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, HCT, MCV, RDWc, RDWs, HGB, MCH, MCHC, PLT, PCT, MPV, PDWc, PDWs, P-LCC, P-LCR%
- Technology – Impedance
- Aperture diameter – 70/80µm
- Sample volume – less than 20µL of whole blood
- Sampling method – Open and Closed tube system with automatic sampling port
- Sample profiles – User selectable

Reagents

- Diatro•3P Reagent Smart Pack
- Hardware key protected pack
- Up to 200 measurements dependent on usage

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 – Any Windows 8.1 ** supported external USB printer
- Operator interface – Sleek redesigned user interface
- QC functions – The trend function allows to display the selected records from the database on Levey-Jennings charts
- User assignment options – Various user management levels and other cybersecurity conformity
- LIS communication – HL7 protocol
- USB Barcode reader – Sample ID, QC & Calibrator data upload
- Log file – Displays history of analyzer actions/errors

** Microsoft trademark

Physical parameters

- Size (Width x Depth x Height) – 32,3cm x 27,2cm x 36,6cm inc reagent pack
12.7 in x 10.7 in x 14.4 in
- Weight ~15kg / 33.1lbs inc reagent pack
- Power supply – 24V DC & 3,75A
- Optional battery

Communication interfaces

- 1 x LAN
- 4 x rear USB ports & 2 x side USB ports
- WiFi/4G dongle supported

Your distributor

Description

Diatron Aquila Hematology analyzer

Catalogue No

A1-1

Diatron Aquila: Pending FDA clearance

Diatron reserves the right to change any of the specifications without prior notice. Version Nr. DA161010V3



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