

Aquila

3-PART WBC DIFFERENTIAL
HEMATOLOGY ANALYZER



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 laboratories and routine laboratories.

Diatron owns all rights to a patent for the unique sampling procedure of the Diatron Aquila analyzer, which have been granted and registered with the European Patent Office.

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



Aquila



USER FRIENDLY

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

PORTABLE

Lightweight and with optional battery pack a fully portable, small foot print analyzer, applicable for use in all locations



COST EFFECTIVE

Easy, safe and biohazard-free on-board integrated reagent pack and waste, up to 200 measurements* per pack with up to 60 days stability on the analyzer allows complete cost control



SPECIFICATIONS

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
- 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
- Hardware key protected pack
- Up to 800 (4 x 200) measurements*/pack 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
- User interface: Intuitive, logical, easy to use GUI
- User assignment options: Various user management levels and other cybersecurity conformity
- LIS communication: HL7 protocol
- Log file: Displays history of analyzer actions/errors
- User languages: English, German, Italian, Indonesian, Greek

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: ~15kg/33 lbs incl. reagent bottle
- Power supply: 24V DC and 3.75 A
- Optional battery allows to measure up to 100 samples continuously

COMMUNICATION INTERFACES

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

* Maximum number of achievable measurements. Can vary based on different factors.

Analyzers and reagents

Cat. No	Description
A1-1	Diatron Aquila Hematology analyzer
A1-2	Diatron Aquila with battery
DRP074	Diatro•3P Reagent Smart Pack 4 x 200 measurements*/bottle

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