

# Aquila

3-PART WBC DIFFERENTIAL  
HEMATOLOGY ANALYZER



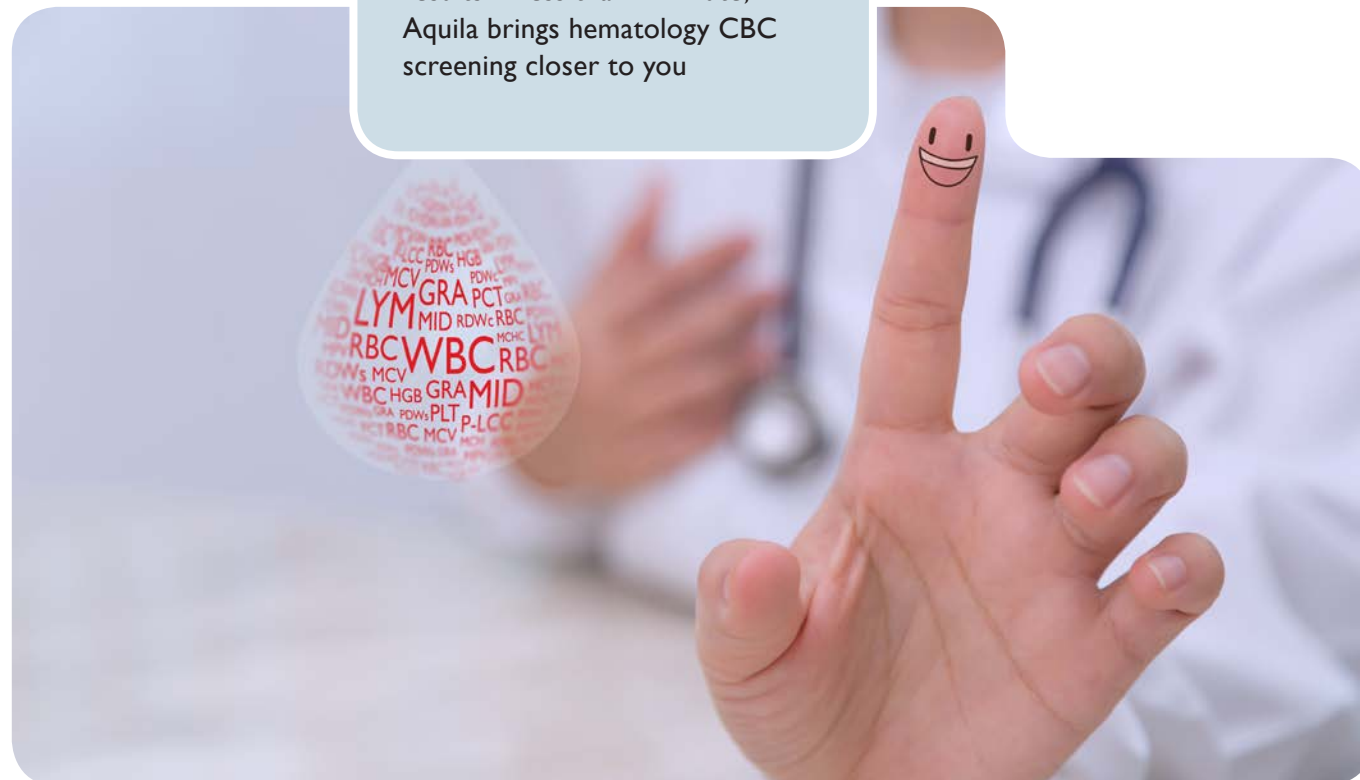
## BRINGING CBC TESTING CLOSE TO YOU

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, point of care (e.g. physician offices and clinics) and routine laboratories.

### FAST AND RELIABLE

With only 20 µl blood required and results in less than 1 minute, Aquila brings hematology CBC screening closer to you



### 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
- Aperture diameter: 70/80 µm
- Sample volume: ~20 µl 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 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

## QUALITY CONTROL

- QC functions: The trend function allows to display the selected records from the database on Levey-Jennings charts
- 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 inc reagent bottle
- Power supply: 24V DC and 3.75 A
- Optional battery

## COMMUNICATION INTERFACES

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

### Analyzer and reagents

Description	Catalogue No	SAP No
Diatron Aquila Hematology analyzer	A1-I	10021360
Diatro•3P Reagent Smart Pack 4 x 200 measurements/bottle	DRP074	10023365

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We are a member of the STRATEC Group  
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This product is not currently cleared for sale in the USA and only available in non-US markets.  
Diatron reserves the right to change any of the specifications without prior notice. Version Nr. DA180605V6

