

diatron●●

Diatron Aquila

3-part WBC differential
hematology
analyzer



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 is suitable for many testing scenarios such as satellite laboratories, point of care (e.g. physician offices and clinics) and routine laboratories.

The utility of the Diatron Aquila is limitless and provides the optimal solution even for the inexperienced user and environments that require a high quality hematology analyzer.

Features and benefits

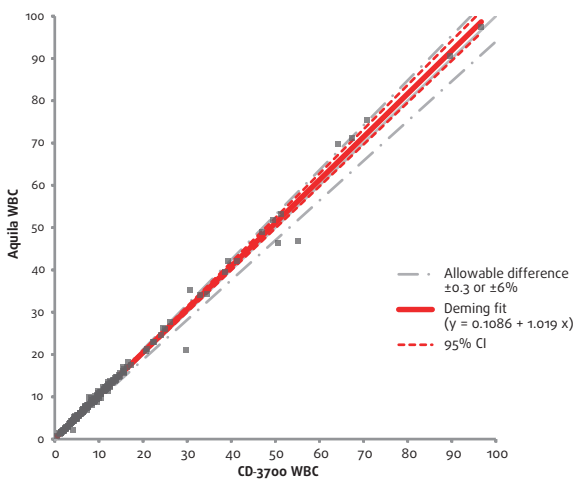
Feature	Benefit
Innovative and convenient	Compact size Unique on-board reagent pack simplifies handling Safe, easy mess-free as waste collected in reagent bottle
Cost saving	Reduced shipping and storage costs
Easy to use	Large capacitive touch screen User friendly interface Simple connection to LIS via HL7 protocol Results either on screen or printer
High performance	3 part diff with <20µl sample volume Closed or open tube operation Throughput of 60 tests/hr
Reliable and efficient	Virtually maintenance-free resulting with minimal downtime Stores up to 10,000 results
Portable	Lightweight, small so can easily be moved from testing site to testing site Optional battery pack when mains power unavailable (Only applicable at time of ordering)
Unique On-board reagent pack	All reagents in single bottle Cyanide-free lyse Up to 200 measurements per bottle Unopened shelf life up to 24 months

Performance Data

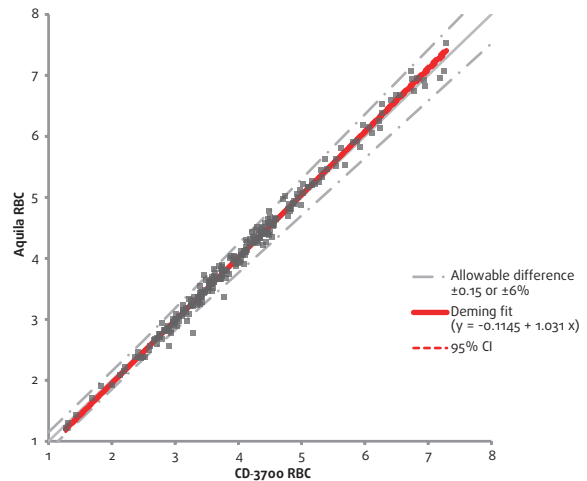
Comparative performance data from study conducted at an independent public laboratory between the Diatron Aquila analyzer and leading 5 part differential CBC analyzer.

The following data represents the results of a correlation study between the Diatron Aquila and Abbott Cell-Dyn 3700 system. The study was performed in a central laboratory setting by technicians with minimal Aquila product training. The results illustrate excellent correlation between the two instrument systems.

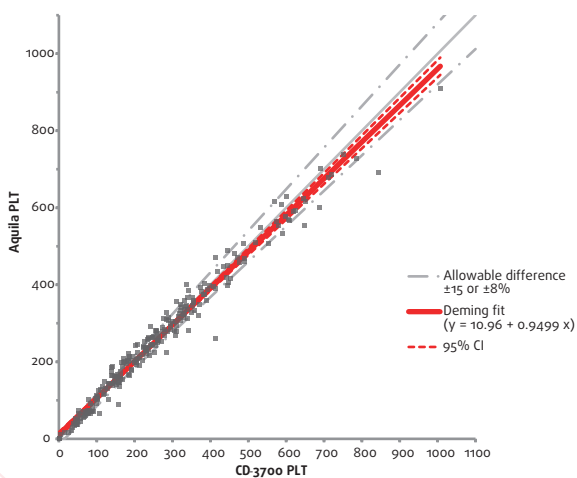
WBC



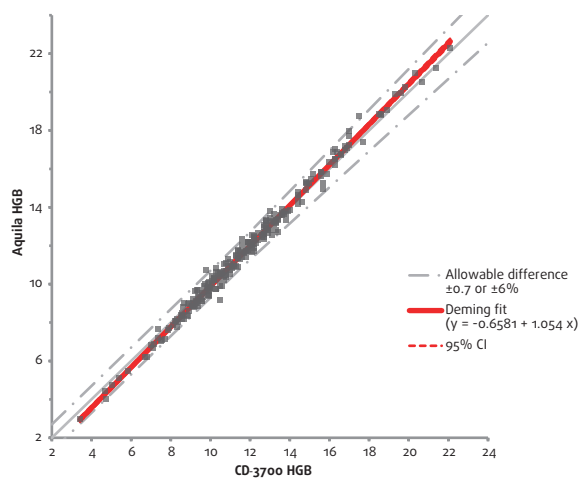
RBC



PLT



HGB



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 – 70/80µm
- > Sample volume – ~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 800 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
- > 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

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 bottle
- > 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 Description

Analyzer and Reagent

Description	Catalogue No
Diatron Aquila Hematology analyzer	A1-1
Diatro-3P Reagent Smart Pack 4 x 200 measurements/bottle	DRPo74



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Diatron reserves the right to change any of the specifications without prior notice. Version Nr. DA170414V4



We are a member of the STRATEC Group

This product is not currently cleared for sale in the USA and only available in non-US markets.