

Product Specifications

Measuring Principles

Impedance methods for cells counting

Cyanide free colorimetric method for HGB measurement

Measuring Channels

Double channel for counting

Throughput

From beginning of a test to completion of the printout: ≤ 60 seconds

Counting method

Precise vacuum & time

Counting Modes

Whole blood, Pre-diluted Blood

Sample Volume

Whole Blood: ≤ 14 μL

Pre-diluted Blood: ≤ 20 μL

Parameters and Histograms

21 parameters and 3 histograms:

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, MCV,MCH, MCHC, RDW-CV,

RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCR, P-LCC, WBC Histogram, RBC Histogram, PLT Histogram

Reference value settings

Preset five sets of reference values: Man, Woman, Child, Infant and General

Aperture size

WBC -100 μ , RBC- 70 μ

Alarm System

Multiple alarms of running status including blank counting abnormal, reagents empty, waste full, counting hole clogged, counting area leak or bubble, recorder abnormal, external printer abnormal and circuit abnormal etc

Measures of Unclogging Treatment

Back flushing, soaking and burning. Automatic unclogging treatment before and after the sample analysis

Printout

Print report, optional report formats

Storage

Can store more than 10,000 sample results, including parameters, histograms and patient information.

Support multiple conditions combination query

Communication

Open communication protocol. Support connection to LIS

Data import and export

Import or export data via USB port

Quality Control System

Include 9 QC files, automatically draw quality control chart and provide the average, SD, CV

Dilution ratio (Venous, Capillary & Predilution)

WBC/HGB: 1:285; RBC/PLT: 1:25000

Calibration System

Support manual and automatic calibration

Software Upgrading

Upgrading software via USB port

Display and Touch Screen

10.4 inch true color TFT LCD and touch screen

Printer

Built-in patented structure thermal printer, paper 80mm wide, easy to load paper. Report printing takes only 5 seconds

Data Ports

One network port, one RS-232 port, four USB ports

Optional External Devices with USB port

Standard 101 keyboards, mouse, scanner, multiple printers and barcode (Optional)

Power

110/230 VAC, 50Hz input power: ≤ 150VA

Operating Environment

Environment temperature: 10°C ~ 30°C

Relative humidity: ≤ 70%

Atmospheric pressure: 70.0kPa ~ 106.0kPa

Dimensions

368mm × 448mm × 475mm

Weight

≤ 23kg

Language

English, Spanish, Russian, Portuguese, French, Ukranian, Italian, Indonesian.



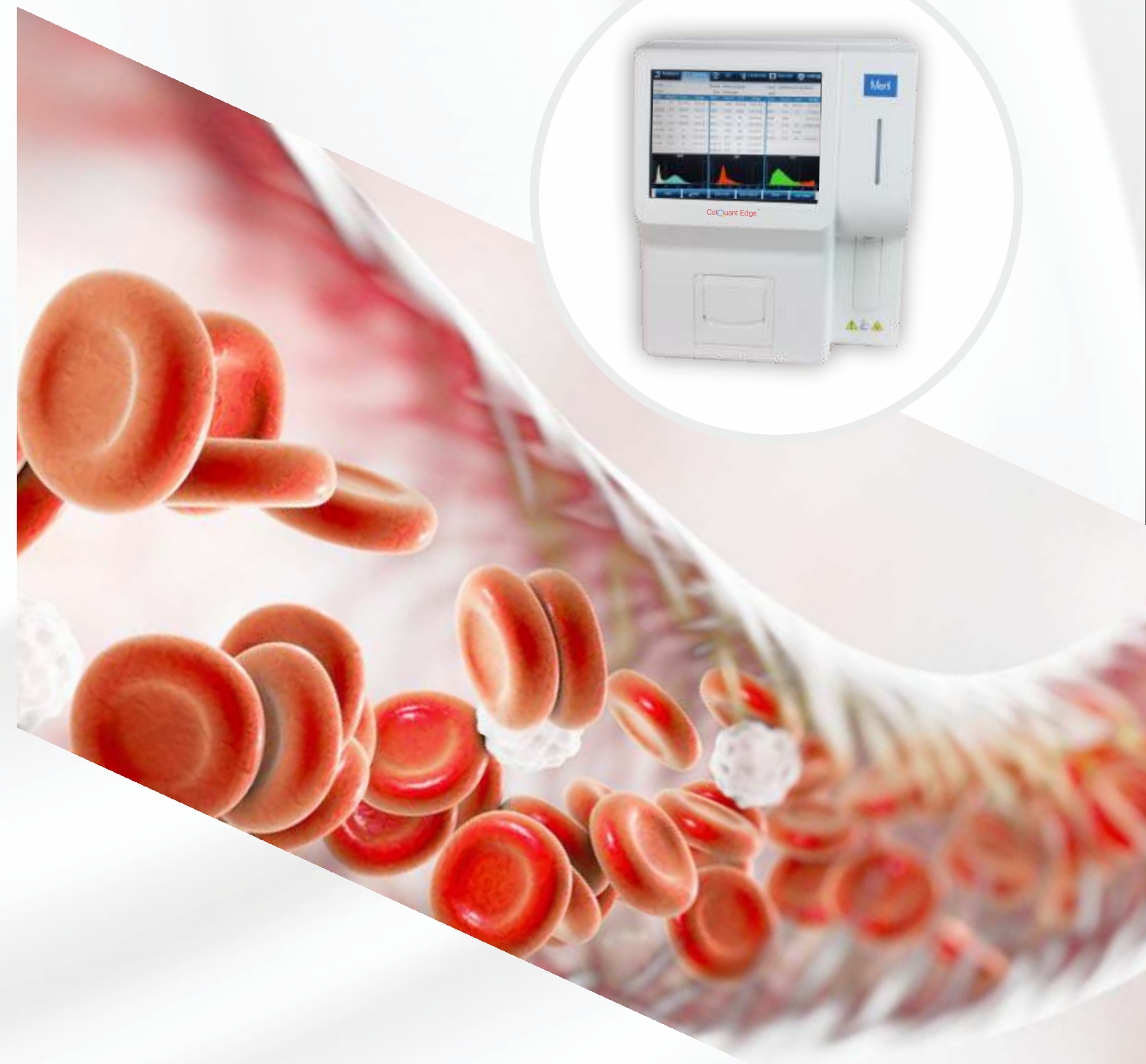
BRO/IVD/CLQE/00

CelQuant EdgeTM

3 Part Hematology Analyzer



Diagnostics



EVERY SINGLE CELLS MATTERS

Meril Diagnostics Pvt. Ltd.

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CelQuant EdgeTM

3 Part Hematology Analyzer



User-friendly interface

10.4 inch true color TFT LCD & touch screen, more visible.
Minimize the number of interface layers, pop-up soft keyboard, easy to operate.

Internationalization support

Possible choice of parameter units. Multiple languages available, can switch language online.

Provide various anemia indications

Normocytic and normochromic anemia, Macrocytic and normochromic anemia, Microcytic hypochromic anemia, Microcytic anemia.

Provide text of alarm information

Text of alarm information is clearer than alarm character provided by traditional 3-part analyzer. Such as R1, Rm and Pm.

Automatic blank counting

Automatically start a blank counting and auto-assessment of the results during start-up process.

Clog Removal

Automatically clog removal.

Wider linearity range & excellent repeatability

Built-in patented structure thermal printer. Easy to load paper and fast print of large size report
Paper 80mm wide. Report printing takes only 5 seconds.

State-of-the-art technology

Sweeping flow technology, Pulse discrimination technology, intelligent floating threshold technology.

CelQuant EdgeTM

3 Part Hematology Analyzer



An Eternal Partner For Your Lab

- Dual Channel analyzer

■ Optimum reagent consumptions

■ Throughput: 60 Tests / Hour
- 21 parameters and 3 Histograms

■ Manual and Auto-calibration modes

■ MCV are measured

Wider linearity range & excellent repeatability

Parameters	Linear Range
WBC	(1.0 - 99.9) x 10 ⁹ /L
RBC	(0.30 - 7.00) x 10 ¹² /L
HGB	(20 - 240) g/L
PLT	(10 - 999) x 10 ⁹ /L