

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 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, Baby and General

Alarm System

Multiple alarms of running status including blank counting abnormal, reagents empty, waste full, counting aperture 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

English 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

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, barcode, scanner and multiple printers

Power

220V, 50Hz input power: ≤ 150VA

Operating Environment

Environment temperature: 10°C ~ 30°C

Relative humidity: ≤ 70%

Atmospheric pressure: 70.0kPa ~ 106.0kPa

Dimensions

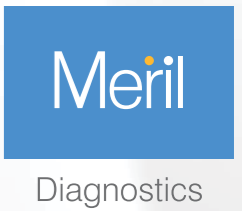
368mm × 448mm × 475mm

Weight

≤ 23kg



CelQuant Edge™ 3 Part Hematology Analyzer



An Eternal Partner
For Your Lab



Meril Diagnostics Pvt. Ltd.

D1 - D3, Second Floor, Meril Park, Survey No. 135/2/B & 174/2, Muktanand Marg, Chala, Vapi - 396191, India

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Tel: +91 22 30732400 | Fax: +91 22 39350777 | Customer Care: 1-800-266-3745 (Toll Free) | Email: diagnostics@merillife.com

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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. Several 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

Automatic re-counting

Automatically re-count after unclogging treatment while a counting hole is clogged, avoid re-collecting blood

Wider linearity range & excellent repeatability

Maintenance-free syringe

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



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 & HCT are measured

