Product Specifications

Meril
Diagnostics

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

Meril
Diagnostics

CelQuant Edge ™

3 Part Hematology Analyzer

An Eternal Partner
For Your Lab

CelQuant Edge ™
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Diagnostics

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