



لاب ماركت

- مستلزمات معملية
- كيمويات
- أجهزة
- صيانة

LAB Market

01096411333

بنها - عمارة ٢ غرب الاستاد - بجوار كنتاكي - خلف نقابة الاطباء ومطعم الرشيدى

“A SINGLE
CELL MATTERS”

Merilyzer
CelQuant 360™



IVD

Merilyzer

CelQuant 360™

Crafted in INDIA for the GLOBE

- Throughput of 60 samples / hour
- 20 Parameters and 3 Histograms
- Venous, Pre-diluted mode and Capillary
- WBC, RBC, PLT - Electrical Resistance Detection
- HGB - Colorimetric
- HCT - Cumulative Pulse Height Detection
- Dual Channel testing and independent hemoglobin testing system with Volumetric base
- Floating Discriminators
- Touch Screen Display
- Manual and Auto-calibration modes
- Built-in Thermal Printer
- User friendly software
- Economic Cost Per Reportable Test (CPRT)
- CE Approved



■ Innovative Features

Fully Automated 3 Part Differential Analyzer with 20 parameters and 3 histograms for WBC, RBC and PLT with three part differential count.

■ Principle

CelQuant 360 implies working principle of Electrical Resistance detection for WBC, RBC, PLT; Colorimetric principle for HGB and Cumulative Pulse Height detection for HCT.

■ Ease Of Operation

CelQuant 360 is provided with touch screen LCD that displays all parameters including histograms with floating discriminator.

User friendly menu ensures ease of operation.

Quality Control

CelQuant 360 can display 12 parameters with Mean, SD and CV calculations.
3 months QC data can be re-viewed.

Sampling

CelQuant 360 can be programmed for Venous, Capillary and pre diluted mode.

Dilution Ratio:

Venous & Capillary mode:

WBC / HGB : 1 : 300
RBC / PLT : 1 : 44600

Pre - diluted mode:

WBC / HGB : 1 : 355
RBC / PLT : 1 : 44500

Operating Interface

CelQuant 360 incorporates RS232 interface to connect the instrument with the computer.
A user friendly interface assists the operator and simplifies the daily routine work.

Linear Range

Parameters	Linear Range
WBC	0.0 - 99.9 x 10 ³ / μ l
RBC	0.0 - 9.99 x 10 ⁶ / μ l
HGB	0 - 30 g/dL
MCV	40 - 150 fL
PLT	0 - 999 x 10 ³ / μ l

Parameters	Repeatability (CV %)
WBC	≤ 3.0%
RBC	≤ 3.0%
HGB	≤ 3.0%
MCV	≤ 3.0%
PLT	≤ 7.0%

Built in Printer

CelQuant 360 is integrated with thermal printer to print QC graph, QC statistical parameters and test results.

Technical Specifications

Throughput	60 samples / hour
Sample	Venous, Pre-diluted and Capillary
Working Principle	WBC, RBC, PLT - Electrical Resistance Detection HGB - Colorimetric HCT - Cumulative Pulse Height Detection
Working Mode	Dual Channel testing and independent hemoglobin testing system with Volumetric base
Applicable Analytes	20 parameters(WBC,LYM%,MID%,GRAN%,LYM#,MID#,GRAN#,RBC,HGB,HCT,MCV,MCH,MCHC, RDW-SD,RDW-CV,PLT,MPV,PDW,PCT,P-LCR),and 3 histograms for WBC,RBC and PLT with 3 part difrential count
Sample Volume	9.8 μ l in venous & capillary blood mode 20 μ l in pre-diluted mode
Aperture Size	WBC :100 Micron RBC :70 Micron
Dillution Ratio	
Venous & capillary Mode	WBC/HGB : 1:300 RBC/PLT : 1:44600
Pre-dilute Mode	WBC/HGB : 1:355 RBC/PLT : 1:44500
Calibration & QC	
Calibration Mode	Manual and Auto-calibration
QC	Possible to run 3 QCs in a day 3 Months QC data can be re-viewed
QC Rules	L-J,X,X-B,SD,CV,QC Histogram
Memory	30000 Tests
User Interface	LCD Color Touch Screen
Interface	1 Printer Ports 2 RS 232 Serial ports/LIS 2 USB Ports 2 PS/2 Ports
Printer	Inbuilt Thermal Printer;External printer (optional) Paper Width : 57.5mm Print Width : 48mm
Operating Conditions	Temperature : 18°C ~ 30°C Humidity : 10 % ~ 90% RH Atmospheric Pressure ; 86 kPa ~ 106 kPa
Power Supply	AC 100-240 V,50/60 Hz (100 W max) Power Consumption :120 VA Fuse Rating :2 A(220 V AC)
Dimensions	335mm (W) *400mm (L) *445mm (H)
Weight	Approx 17 kgs
Mat Code	HMTCLQ-04



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