







CELLENIUM[®] 21

count on it

-  Throughput of 60 Tests / hour with 21 parameters
-  Precision counting through High resolution cylindrical Aperture
-  Sweep flow, PHM and PWM technology for reliable results
-  Intelligent fault diagnostics with clog and bubble detection



Technical Specifications

Throughput - 60 tests/hour

Mode - Whole blood, Pre-diluted

Total Parameters: 21

WBC- LYM#,MID#,NEU#, GRAN#, LYM%, MID%, NEU%
RBC- HGB, MCV, HCT, RDW-CV, RDW-SD, MCH, MCHC
PLT- MPV, PCT, P-LCC, P-LCR, PDW

Principle of Measurement

RBC/PLT/WBC/Diff: Electrical Impedance
HB: Cyanide free Colorimetry
MCV/MPV: Measured

Histogram: 3(WBC/RBC/PLT)

Sample Volume

Whole Blood : 10 µl
Pre Diluted mode: 20 µl

Linearity

Components	Linearity Range
WBC	0 - 99.9 X 10 ³ /µl
RBC	0 - 9.99 X 10 ⁶ µl
HGB	0 - 30 g/dl
PLT	0 - 999 X 10 ³ /µL

Calibration

Manual and Auto Calibration
HQ-CAL (4.5ml)

Quality Control

L-J graph,X- Bar Analysis, X-Mean Analysis
CBC-3DL, N, H (3ml)

High Caliber Detection

Aperture size - 68µ (RBC/PLT) and 100µ (WBC)
Automatic clog detection & prevention
High pressure back flush

Data Storage

1,00,000 results with Histograms
Data back-up through USB mass storage device

User interface

10.4" touch screen display
Built-in Thermal printer
USB support with HP printers
PS2 port for Mouse and Keyboard
RS232 for LIS interface
5 USB+1 LAN+ 1 PS2 port

Power Requirement

Voltage Range: 100V-240V AC
Frequency: 50/60 HZ
Optimum Work Voltage: 180VA

Operating Environment

Temperature : 15°C - 35°C
Humidity: ≤95%RH
Storage Temperature: 10°C - 55°C

Dimension (mm): 530x330x460

Weight (kg): 23

Reagents

Dilucel 21
Lycel 21
Rincel 21
Probecel



*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation.

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