



CELLENIUM[®] 21
count on it



3 Part Differential Hematology Analyzer

- ★ 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, RBC, PLT, HGB, HCT, MCV, MCH, MCHC, PCT, MPV, PDW, RDW-CV, RDW-SD, P-LCC, P-LCR

3-Part Diff: LYM#, MID#, NEU#, LYM%, MID%, NEU%

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 & Precision

Parameter	Linearity Range	CV%
WBC	0x10 ⁹ /L~9.99x10 ⁹ /L	<2.0%
RBC	0x10 ¹² /L~99.9x10 ¹² /L	<1.5%
HGB	0 g/dl~30 g/dl	<1.5%
PLT	0x10 ⁹ /L~999x10 ⁹ /L	<4.0%

Calibration

Manual and Auto Calibration

HQ-CAL (4.5ml)

Quality Control

L-J graph, X- Bar Analysis, X-Mean Analysis

CBC-3D L, 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

100V-240V AC

50/60 HZ

100VA – 180VA

Operating Environment

Temperature : 15C – 35C

Humidity : <90%RH

Dimension (mm): 530x330x460

Weight (Kg): 23

Reagents

Dilucel 21

Lycel 21

Rincel 21



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