








CELENMIUM[®] **5D** RETIC
count on it

5-Part Hematology Analyser

-  34 Parameters including RET%,RET# and Research Parameters
-  Throughput: 60 Test per Hour
-  Laser Light Multi-Dimensional Cell Classification
-  Double Mode for WBC Counting: Impedance count and Optical Count
-  Large LCD Touch screen Display and Inbuilt Printer

Technical Specifications

Measuring Data

- **Throughput** - 60 tests/hour
- **34Parameters** - WBC, LYM%, MON%, NEU%, EOS%, BASO%, LYM#, MON#, NEU#, EOS#, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW_CV, RDW_SD, PLT, MPV, PDW, PCT, P_LCR, P_LCC, NRBC%, NRBC RETIC%_ABS, RETIC#, IRF, ALY%, ALY#, LIC%, LIC#
- 2 Histograms for RBC and PLT
- 2 Scatter grams: 5-part differential scatter gram
- Eosinophils and Neutrophils scatter gram
- 23-D stereograms

Principle of Operations

- WBC/DIFF: Flow Cytometry, Semi-conductor, Based Laser light multi-dimensional cell classification
- WBC Analysis: Optical and impedance measurements
- RBC/PLT Analysis: Impedance method
- HGB test: Cyanide-free reagent colorimetry

Linearity

Components	Linearity Range	Acceptable limits
WBC	0 x 10 ⁹ /L~10.0 x 10 ⁹ /L 10.1 x 10 ⁹ /L~100.0 x 10 ⁹ /L	±0.5 x 10 ⁹ /L ±5%
RBC	0x10 x 10 ¹² /L~1.00 x 10 ¹² /L 1.01x10 ¹² /L~8.00 x 10 ¹² /L	±0.05 x 10 ¹² /L ±5%
HGB	0 g/L~70 g/L 71 g/L~250g/L	±2 g/L ±2%
PLT	0 x 10 ⁹ /L1~100 x 10 ⁹ /L 101x10 ⁹ /L~1000 x 10 ⁹ /L	±10 x 10 ⁹ /L ±8%

Technical Features

- **Multiuser mode** - Multilevel user modes with individual identification (username, password)
- **Data storage capacity** - ≥200,000 records with graphics
- **Printout** - Internal Thermal Printer, External most of the HP printers
- **External keyboard** - PS/2 or USB
- **Interfacing capabilities** - RS232, USB, Ethernet
- **Software upgrade** - via USB port (USB memory stick)
- **Operating environment - Temperature:** 15-30°C
- **Relative humidity** - max 80% (non-condensing)

User Interface

- **Display** - 10.4 inch with touch screen

Reagents and Sampling System

Samples

- Diluent, Sheath, Detergent, Lyse
- Whole blood : 20µL
- Pre-diluent : 20µL

Dimensions

- **Size (Width x Depth x Height):** 46 cm x 49 cm x 33cm
- **Weight:** 35 kg

Calibration and Control

- With standard, blood and manual calibration
- With L-J, X, X-R and X-B control modes



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

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