



**CELLENIUM**<sup>®</sup> **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

## Calibration and Control:

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

## 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 33 cm
- **Weight**: 35 kg



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