

# Cell Count 1600 Plus



## Hematology Analyzer

3-part differentiation of WBC, 23 parameters, double chamber counter.

Volume measurement by time, less prone to error.

Advanced valve technology, long life.

RS232 interface, PC connecting.



## Feature:

- 3-part differentiation of WBC, 23 parameters, up to 60 samples test per hour.
- Electrical resistance for counting and SFT method of Hemoglobin.
- Low sample consumption : venous 9.8 µl, prediluted 20 µl for twice testing one time.
- 8.4 color TFT, Windows interface all testing parameters displayed simultaneously.
- Windows operating system, graphical buttons, mouse and keyboard operation.
- Automatic diluting, mixing, rinsing and clog clearing.
- Automatic sample probe cleaning (inside and outside).
- Large storage capacity : up to 10,000 samples +3 histograms.
- Internal thermal-sensitive printer or external printer.
- RS232 interface, PC connecting.

## Main Technical Specifications:

- Methodology : Electrical resistance for counting, hemoglobin cyanide method and SFT method for hemoglobin.
- Parameter : 3-part differentiation of WBC; 20 parameters and 3 color histograms (WBC, RBC, PLT).
- Work mode : Double Chamber + unique Hemoglobin test system.
- Sample volume : 9.8 µl for Venous and capillary mode, 20 µl for prediluted mode.
- Throughput : More than 60 samples per hour, operatable 24 hours a day, auto sleeping and waking-up functions.
- Storage : up to 1,00,000 sample results including histograms can be stored, convenient for inquiry and management of history data.
- Operation language : English.
- QC control : X-B, L-J, X, SD, CV %.
- Reference Value Setting : Male, Female, Children, Neonate.
- Input / output : RS232, parallel printer and keyboard.
- Print : Graphic thermal printer with various printing formats, optional external printer.
- Temperature : 18°C - 30°C, RH < 90%.
- Power supply : 220V ±22VAC, 50 ±1Hz.
- Dimension : 33 CM ( L ) \* 38 CM ( W ) \* 43 CM ( H ).
- Weight : 20 Kg.

## Precision:

Parameters	Linear Range	CV %
WBC ( 10 <sup>9</sup> / L )	0.0 - 99.9	≤ 2%
RBC ( 10 <sup>12</sup> / L )	0.0 - 9.99	≤ 1.5%
MCV ( fL )	40 - 150	≤ 0.5%
PLT ( 10 <sup>9</sup> / L )	0 - 999	≤ 4.0%
HGB ( g / dL )	0.0 - 30.0	≤ 1.5%

## Parameters:

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, L-PCR  
3 histograms : WBC, RBC and PLT

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