Hestia 360



3 Part Auto Hematology Analyzer

- Easy operations and maintenance
- 21 parameters with 3 histograms
- 10.4 inch color graphical touch screen display
- Automatic cleaning of sample probe
- High voltage shock and back-flush for clog elimination
- Floating boundary algorithm for histogram with abnormal prompt function
- Use of cyanide-free SFT method to measure hemoglobin parameter
- Two reagents (diluent and lyse) for complete results

Hestia 360 - Technical Specifications

White Blood Cells, Red Blood Cells and Platelets are counted using the direct impedance method with coincidence correction. Automatic floating discriminators separate the cell populations based on complex and accurate algorithms. The intensity of the electronic pulse from each analyzed cell is proportional to the cell volume.

The hematocrit (HCT) is directly determined based on the red cell count and volume detection of each individual RBC.



Principle
Electrical impedance method for cell counting and Cyanide - free for hemoglobin

Parameters
WBC, Lym#, Mid#, Gran#, Lym%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC

Histograms
WBC, RBC, PLT

Throughput
60 samples per hour

Sample volume

Venous mode	8.5µL venous blood
Prediluted mode	20µL capillary blood

Display
10.5 inch color graphical LCD touch screen with resolution of 800 × 600 pixels
Visual error message alarm
10° incline adapt to visual observation

Calibration
Manual and Auto-calibration

Quality control
3 level QC with LJ graph

Memory
100,000 sample results with histograms

Printout
50 mm thermal printer, various printout formats, external printer (optional)

Data communication
RS232, USB

Power
AC 110 - 240V, 50 Hz
130 VA

Physical

Dimensions	380 x 305 x 395 mm
Weight	18 kg

Operating Environment

Temperature	15°C to30°C
Humidity	30% to 85%

Performance

Parameter	Linearity Range	Precision (CV%)
WBC (10^3/µL)	0 - 100	≤ 2.0
RBC (10^6/µL)	0.1 - 8.0	≤ 1.5
HGB (g/dL)	0 - 25	≤ 1.5
MCV (fL)		≤ 1.0
PLT (10^3/µL)	0 - 1000	≤ 4

Since R&D is a continuous process, to make changes in product features, specifications, aesthetics and/or to discontinue the same at any time without notice or obligation

Certified ISO 9001:2015, EN ISO 13485:2016 company CE

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