



# Hestia 360



## 3 Part Auto Hematology Analyzer

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

# Hestia 360 - Technical Specification

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

## Histograms

WBC, RBC, PLT

## Throughput

60 samples per hour

## Sample volume

Venous mode: 10µL venous blood

Capillary mode: 10µL capillary blood

Prediluted mode: 20µL capillary blood

## Display

8-inch color LCD touch screen with resolution of 800×600

## 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)



## Power

~AC 110-240V, 50/60±1Hz

## Physical

Dimensions: 410 x 435 x 472 mm

Weight: 19kg

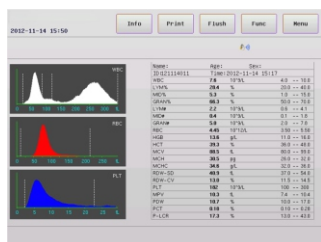
## Operating Environment

Temperature: 15°C~30°C

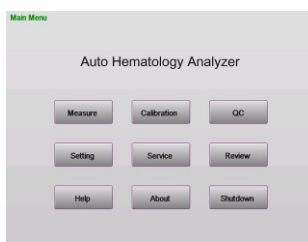
Humidity: 30%~85%

## Performance

| Parameter                  | Linearity Range | Precision (CV%) |
|----------------------------|-----------------|-----------------|
| WBC ( $10^3/\mu\text{L}$ ) | 0 - 99.9        | ≤ 2.0           |
| RBC ( $10^6/\mu\text{L}$ ) | 0 - 7.99        | ≤ 1.9           |
| HGB (g/dL)                 | 0 - 24.99       | ≤ 1.9           |
| MCV (fL)                   |                 | ≤ 0.4           |
| PLT ( $10^3/\mu\text{L}$ ) | 0 - 999         | ≤ 4             |



20 parameters with 3 histograms



User friendly interface



Intelligent calibration function

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

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