

# Hematology Analyzer

Model: Nano 3



**3 modes**  
venous whole blood,  
Capillary whole blood  
pre - diluted blood



3-part differentiation,

9 uL sampling volume.

Up to 60 samples per hour

21 parameters



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## Operation Principles

Electrical impedance method (WBC/RBC/PLT) and cyanide free (HGB) method  
Pulse baseline tracking technology, waveform discrimination technology, digital sheath flow technology and intelligent floating threshold technology  
Dual-channel is used for counting

## Measured Parameters

WBC, Lym%, Mid#, Gran#, Lym%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, PDW, MPV, PCT, P-LCC, P-LCR, 3 histograms, alarm for abnormal erythrocytes, leukocyte, and platelet

## Throughput

Up to 60 samples per hour

## Hole blood sample

Minimum volume 9 ul

**Digital Bank** : Male, Female, New born Control blood.

**Modes** : Verous whole blood , anticoagulant periphal whole blood and pre-diluted blood

**Analysis time** : Results in 40 Seconds

**Display** : 11" Touch Screen TFT display

## Performance

Carryover Repeatability Linearity

WBC  $\leq 0.5\% \leq 2.0\%$  (7-15 $\times 10^9$ /L) 0.00-300 $\times 10^9$ /L

RBC  $\leq 0.5\% \leq 1.5\%$  (3.5-6.0 $\times 10^{12}$ /L) 0.00-8.5 $\times 10^{12}$ /L

HGB  $\leq 0.5\% \leq 1.5\%$  (110-180g/L) 0-250g/L

PLT  $\leq 1.0\% \leq 4.0\%$  (150-500 $\times 10^9$ /L) 0.00-3000 $\times 10^9$ /L

## Data Storage

50,000 sample results, including parameter, histogram and patient information

**Languages** : English ,French , Spanish, German, Italian, Chinese

## Printer

Internal Printer with USB Ports and LIS connection

**Operating Temp:** 9C to 35C

**External Power Supply** 100-240Vac , Power 300VA, Frequency :50/60Hz

**Dimensions:** 15.5"(L)  $\times$  14"(W)  $\times$  18.5"(H)

**Weight:** 23.8kg

**Reagents** : Diluent 3-PAC

Lyse: ISOFLEX

Cleaner: ACT-CLEAN

