

Z-GEM 3

3 Part Differential Hematology Analyzer

SPECIFICATIONS

Parameters

21 reportable parameters: WBC, Gran#, Lym#, Mid#, Gran%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCTP-LCR, P-LCC
3 histograms for WBC, RBC and PLT

Principles

Impedance method for WBC, RBC and PLT test
Cyanide free colorimetry for HGB test

Repeatability

WBC: $\leq 2.0\%$ ($7.00-15.00 \times 10^9/L$)
 $\leq 3.5\%$ ($4.00-6.90 \times 10^9/L$)
RBC: $\leq 1.5\%$ ($3.50-6.50 \times 10^{12}/L$)
HGB: $\leq 1.5\%$ (100-180g/L)
MCV: $\leq 0.5\%$ (70.0-110.0fL)
PLT: $\leq 4.0\%$ ($150-500 \times 10^9/L$)
 $\leq 5.0\%$ ($100-149 \times 10^9/L$)

Display

10.4 inches TFT touch screen

Dimension

364mm(W) x 417mm(D) x 477mm(H)

Throughput

Up to 60 tests per hour

Sample volume

9 μ L

Storage

Up to 50,000 records

Linearity range

WBC: $0.00-300 \times 10^9/L$
RBC: $0.00-8.50 \times 10^{12}/L$
HGB: 0-250g/L
PLT: $0-3000 \times 10^9/L$
HCT: 0.0-67%

Net weight

26kg

Power Requirement

100V-240V~, 50/60Hz



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Excellent data management

50,000 records with 3 histograms
Bi-directional LIS with LAN port



Saving space

Small footprint
Built-in lyse position



Convenient output/input

Internal & external printer
4 USB ports for external devices

