

Counter 29

5-part differential auto hematology analyzer

Simplicity
and efficiency



Technical support



www.wiener-lab.com



Counter 29

Five-part differential auto hematology analyzer

Technical features

Principles

Impedance method for WBC/BAS, RBC and PLT counting
Cyanide free reagent for hemoglobin test
Flow Cytometry (FCM) + Tri-angle laser scatter + Chemical dye method for WBC 5-part differential analysis and WBC counting

Parameters

25 parameters: WBC, LYM (#,%), MON (#,%), NEU (#,%), BAS(#,%), EOS (#,%), RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC. 24 research parameters: ALY#%, LIC#%, PLT Clumps#%, Lip#%, NRBC#%, Blast#%, PDW-SD, NLR, PLR, Neu-X, Neu-Y, Neu-Z, Lym-X, Lym-Y, Lym-Z, Mon-X, Mon-Y, Mon-Z
3 histograms for WBC, RBC and PLT
4 scattergrams for WBC differential

Reagent

WL-29D Diluent, WL-29DIFF Lyse, WL-29LH Lyse, Probe Cleanser

Performance

Parameter	Linearity range	Precision	Carryover
WBC	0-500×10 ⁹ /L	≤ 2% (4-15×10 ⁹ /L)	≤ 0.5
RBC	0-8×10 ¹² /L	≤ 1.5% (3.5-6.0×10 ¹² /L)	≤ 0.5
HGB	0-25 g/dL	≤ 1.5% (11 - 18 g/dL)	≤ 0.6
PLT	0-5000×10 ⁹ /L	≤ 4.0% (100-500×10 ⁹ /L)	≤ 1.0

Sample volume

Prediluted mode 20 µL
Whole blood mode 15 µL
Capillary whole blood mode 15 µL

Throughput

60 samples per hour

Display

10.4 inch TFT Touch Screen

Multi-language

Chinese, english, spanish, portuguese, russian, french.

Data Storage Capacity

Up to 250 000 results including numeric and graphical information.

Communication

LAN Port supports HL7 protocol

Interface

USB, LAN
Support bi-directional LIS

Printer

External Thermal printer / Laser printer / Inkjet printer, various printout formats and user-dened formats

Operating environment

Temperature: 10°C - 30°C
Humidity: 20% - 85%
Air pressure: 70 kPa - 106 kPa

Power Requirement

100 V a 240 V
50 Hz/60 Hz

Dimension and Weight

Dimension: 410 mm (height) x 320 mm (width) x 400 (depth)
Weight: 24kg



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