



Features

5-part WBC differentiation ; 25 reportable parameters ; 10 research parameters ; 3 histograms with 3 scattergrams

Whole blood mode, Capillary whole blood mode and Prediluted mode

Tri-angle Laser scatter + Chemical dye + Flow cytometry technology

Dedicated optical counting channel for Basophil measurement

60 Sample/Hour throughput with capability of flagging abnormal cells

10.4 inch large TFT touch screen with user-friendly software

Sample volume is only 15µL which is ideal for pediatrics

“Think Hematology ! Think Vector...”

UNIKON 5

5 Part Hematology Analyzer

Technical Specifications

Principles

Impedance method for RBC and PLT counting Cyanide free reagent for hemoglobin test Flow Cytometry (FCM) + Laser scatter + Chemical dye method for WBC differential analysis and WBC counting

Parameters

25 reportable parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCv, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PLT, P-LCR, P-LCC

10 Research parameters include LIC%, LIC#, ALY%, ALY#, PLT Clumps#, PLT Clumps%, Lip#, Lip%, NRBC#, NRBC% 3 histograms for WBC, RBC and PLT 3 scattergrams: 4-differential scattergram and 2 scattergrams for Eosinophil

Reagent

Diluent, DIFF lyse, LH lyse, probe cleanser

Sample Volume

Prediluted - 20 µL | Whole blood - 15 µL | Capillary WB blood - 15 µL

Throughput

60 samples per hour

Display

10.4 inch TFT Touch Screen

Multi-language

Chinese, English

Data Storage Capacity

Up to 150,000 results including numeric and graphical information

Communication

LAN Port supports HL7 protocol

Interface

Support Uni- or bi-directional LIS through the HL7

Printout

External Laser printer / Inkjet printer, various printout formats and User-defined formats

Operating Environment

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

Power Requirement

100V-240V through online UPS (rating 1KVA) , 50Hz/60Hz

Dimensions

400(L) x 320(W) x 410(H) mm ; 24Kg

Performance

Parameters	Linearity Range	Precision (CV%)	Carryover
WBC	0-500 x 10 ⁹ /L	≤2.0% (4-15 x 10 ⁹ /L)	≤0.5%
RBC	0-8 x 10 ¹² /L	≤1.5% (3.5-6.0 x 10 ¹² /L)	≤0.5%
HGB	0-250 g/L	≤1.5% (110 - 180 g/L)	≤0.6%
PLT	0-5000 x 10 ⁹ /L	≤4.0% (100-500 x 10 ⁹ /L)	≤1.0%



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