



Features

- Total 49 parameters, 28 reportable (including Retic) & 17 research parameters
- Research parameters including InR
- Option to run samples with and without autoloader
- Separate test modes for only CBC, CBC + 5 PDA, Retic & Body Fluids
- Micro sample requirement of just 20 μ L
- Use of only 4 routine reagents with longer shelf life after opening
- Single vial for Retic analysis makes it ideal even for low workload of Retic samples
- Use of sheath liquid for 5 PDA & cyanide free reagent for HGB makes it environment friendly
- 4 angle laser scattering technology that offers accuracy & precision together with economy

“Think Hematology ! Think Vector...”

UNIKON 5 Next

Next Generation 5 Part Analyzer with Retic & Body Fluids

Technical Specifications

Principles

WBC 5-part flow cytometry (FCM)+4 angles laser light scatter
WBC analysis: optical and impedance measurements
RBC/PLT analysis: impedance method
HGB test: cyanide-free reagent colorimetry
RETIC test: flow cytometry (FCM) + laser light scatter + chemical dye method

Parameters

WBC, LYM%, MON%, NEU%, EOS%, BAS%, LYM#, MON#, NEU, EOS#, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW_CV, RDW_SD, PLT, MPV, PDW, PCT, P_LCR, PLCC, RETIC%, RETIC ABS, IRF
7 body-fluid parameters: WBC-BF, RBC-BF, MN%, MN#, PMN%, PMN#, TC-BF#
14 research parameters: ALY%, ALY#, LIC%, LIC#, *NRBC%, *NRBC#, *BLAST%, *BLAST#, InR%, InR#, Eos-BF%, Eos-BF#, Neu-BF%, Neu-BF#
Blood routine provide: 3 histograms for WBC, RBC and PLT
2 scatter grams: 5-part differential scatter gram, eosinophils and neutrophils scatter gram
Two 3D stereograms
RETIC provides: 2 histograms, 2 scatter grams, two 3D stereograms
Body fluid provides: 2 histograms, 2 scatter grams, two 3D stereograms

Reagent

Diluent, Detergent, Lyse, Sheath, Probe Cleaner, Retic Tube

Sample Modes

Auto loader 20µL, manual mode 20µL, pre-diluted mode 20µL, body-fluid mode 70µL

Throughput

CBC mode: 90T/H, CBC+5DIFF mode: 80T/H, Body-fluid mode: 30T/H

Aperture Diameter

WBC 100µm, RBC/PLT 68µm

Sampling Device

Auto loader with 50 (10 x 5 racks) sample storage capacity | Built-in bar code reader (Optional)

Data Storage

Up to 500,000 sample results with all data & graphics

Alarms

Error messages

Display

PC display with windows system, 17-inch color TFT display

LIS

Support, with HL7 protocol

Power Requirement

AC 100-240V, 50/60Hz, 300VA

Online UPS

3 KVA with isolated transformer

Dimensions

592(L) x 712(W) x 595(H) mm ; about 76.5Kg

*Under development & study



Marketed By

VECTOR BIOTEK PVT. LTD.

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