5-Part Combined Auto Hematology Analyzer

UN73

Principles

Flow Cytometry (FCM) + Tri-angle laser scatter + Chemical staining method for WBC differention
Impedance method for WBC, RBC and PLT test
Cyanide free colorimetry for HGB test

5-Part parameters (CBC+DIFF)

25 reportable parameters:
WBC, Neu#, Lym#, Mon#, Eos#, Bas#, Neu%, Lym%, Mon%, Eos%, Bas%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC
6 research parameters:
ALY#,ALY%,LIC#,LIC%,NRBC#,NRBC%
3 histograms for WBC,RBC and PLT
One 3D scattergram and three 2D scattergrams for WBC differention

3-Part parameters (CBC+3DIFF)

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

Sample volume

20μL

Throughput

CBC+DIFF: Up to 80 tests per hour
CBC+3DIFF: Up to 90 tests per hour

Test mode

CBC+DIFF,CBC+3DIFF

Linearity range

WBC(CBC+3DIFF): 0.00-300.00×109/L
WBC(CBC+DIFF): 0.00-400.00×109/L
RBC: 0.00-8.50×1012/L
HGB: 0-250g/L
PLT: 0-3000×109/L
HCT: 0.0-67.0%

Repeatability

WBC≤2%(4.0-15.0×109/L)
RBC≤1.5%(3.5-6.0×1012/L)
HGB≤1%(110-180g/L)
MCV≤1%(70-120fL)
PLT≤6.0%(100-149×109/L)
≤4.0%(150-500×109/L)

Sample mode

Whole blood, capillary whole blood and pre-diluted modes

Printout

External printer, compatible with multiply laser / inkjet printers, compatible with various formats and user-defined formats

Storage

Up to 100,000 records

Communication

LAN port supports HL7 protocol
Support bi-directional LIS

Net weight

58kg

Power requirement

100V-240V~，50-60Hz，≤200VA，

Dimension

650mm(W)x550mm(D)x610mm(H)

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GenoTEK

Excellent Data Management System

*A wide range of pathological alarms and up to 20
user-defined alarm ranges
Customized templates print and help to custumize
the final report according to requirements
Bi-directional LIS connection
QC and calibration management*

Fully Automatic Intelligent Technology

*Visul self-tests（working status self test and reagent
volume self-setection）
Automatic test re-run, with re-run rules inside
One-button error removal and automatic standby
mode function
Intelligent WBC/RBC /PLT floating threshold technology*

Loading up to 60 samples simultaneously and support continuous sample loading

Closed and open vial modes，STAT function available

3D scattergram for accutate differention and pathological sample flag

Multiply sample modes: whole blood, capillary whole blood and pre-diluted modes

Linearity for WBC:
CBC+Diff (0.00~400)×109/L
CBC+3Diff (0.00~300.00)×109/L
Linearity for PLT:
(0.00-5000)x109/L

Only three lyses,
2 years shelf life

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