HEMIA-55

5-Diff Auto Hematology Analyzer

Technical Specifications

Principles

Sheath Flow cytometry(FCM)+Tri-angle laser scatter method for WBC 5-part differential analysis and WBC counting
Impedance method for RBC and PLT counting
Cyanide free reagent for hemoglobin Measurement

Parameters

25 report parameters:
WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#,
RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC
12 research parameters:
LIC%, LIC#, ALY%, ALY#, PLT Clumps#, PLT Clumps%, Lip#, Lip%, NRBC#, NRBC%, Blast#, Blast%
3 histograms for WBC, RBC and PLT
3 DIFF scattergrams and 1 BASO scattergram

Reagent

Hematology analyzer lyse, Hematology analyzer dilutent support , Probe cleanser

Performance

Parameter	Linearity Range	Repeatability	Carryover
WBC	0-500*10^9/L	2%(3.5-15*10^9/L)	0.5%
RBC	0-8*10^12/L	1.5%(3.5-6*10^12/L)	0.5%
PLT	0-5000*10^9/L	4%(150-500*10^9/L)	1%
HGB	0-250g/L	1.5%(110-180g/L)	0.5%

Sample Volume

Prediluted blood 20μL, whole blood 15μL

Throughput

60 samples per hour

Display

10.4 inch TFT Touch Screen

Multi-language

English, Option: Chinese, Portuguese, Spanish, Russian, French

Data Storage Capacity

Up to 50,000 results including numeric and graphic

Communication

LAN port supports HL7 protocol

Interface

4 USB ports, 1 LAN port, bi-directional LIS connection

Printout

Suport multiple usb laser printer/Inkjet printer, various printout formats.

Operating Environment

Temperature: 10 - 30℃
Humidity: 20% - 85%

Air pressure

61.6Kpa-106Kpa

Power requirement

100-240VAC, 50/60Hz

Dimension

420mm (L) *295mm (W) *430mm (H)

Net Weight

≤24kg

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Smart design
Accurate and reliable

HEMIA-55

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Features:

- Sheath Flow cytometry+Tri-angle laser scatter technology
- WBC 5-part differentiation, 25 reportable parameters and 12 research parameters, 3 histograms, 3 DIFF scattergrams and 1 BASO scattergram
- Double optical counting channel including for DIFF and basophil measurement
- Whole blood mode(CBC, CBC+DIFF), Pre-diluted mode(CBC, CBC+DIFF)
- Powerful analysis ability for abnormal cells
- 10.4 inch large TFT Touch Screen with user-friendly software, support connecting with mutiple types USB printers directly.
- Large storage capacity: up to 50,000 samples
- Throughput: 60 samples per hour
- Low sample consumption 15μL per test
- Compact in size and lower weight
- High precision in linearity range
- Good repeatability and low carryover
- Lost counting optimize algorithm about High PLT



Throughput: 60 samples per hour

Compatible with at least 15 types of USB printers

Powerful abnormal result alarm capability



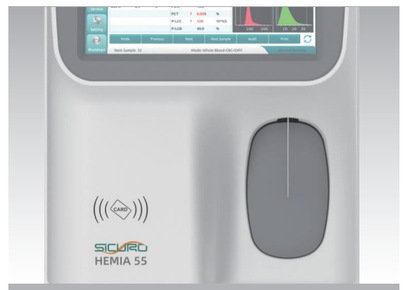
60 samples per hour
Rich research parameters

Equipped with one-click troubleshooting technology
Quickly eliminate faults and ensure efficient use



Friendly operating interface,
one click to reach

Equipped with 10.4 inch true color touch screen, convenient and intelligent , flexible and adaptable.



Micro blood collection ,
accurate and reliable

micro blood for testing：
The minimum consumption for a single test is 15 μL.