

BeneSphaera™ H33s

3 Part Differential Hematology Analyzer

Next generation hematology analyzer.



BeneSphaera™ H33s - Technical Specifications

PRINCIPLE

- Impedance method for WBC, RBC and PLT counting
- Cyanide free reagent for hemoglobin test

PERFORMANCE

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC($10^9/L$)	0-200	$\leq 3.5\%$ (4.0-6.9)	$< 0.5\%$
RBC($10^{12}/L$)	0-8.00	$\leq 1.5\%$ (3.5-6.5)	$< 0.5\%$
HGB(g/L)	0-280	$\leq 1.5\%$ (100 -180)	$< 0.5\%$
MCV(fL)		$\leq 1.0\%$ (70 -110)	
PLT($10^9/L$)	0-4000	$\leq 5.0\%$ (100 -149)	$< 1.0\%$
		$\leq 4.0\%$ (150 -500)	

PARAMETERS

- 21 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, 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

Reagent

- BeneSphaera H33s Diluent
- BeneSphaera H33s Lyse
- BeneSphaera H33s Probe Cleaner

Sample Volume

- Prediluted mode 20 μL
- Whole blood mode 9 μL

Throughput

- 70 samples per hour

Display

- 10.4 inch TFT Touch Screen

Multi-language

- Chinese, English, Spanish, Portuguese, Russian, French, Bahasa Indonesia

Data Storage Capacity

- Up to 500,000 results including numeric and graphical information

Communication

- LAN Port supports HL7 protocol
- Support bi-directional LIS

Interface

- 4 USB port (for external printer, software upgrade, barcode reader, WIFI adapter, keyboard and mouse), LAN port (1)

Printout

- Thermal recorder, 50 mm wide paper, various printouts formats
- External printer optional

Operating Environment

- Temperature: $10^{\circ}C \sim 40^{\circ}C$
- Humidity: 10%~90%
- Air pressure: 70kPa 106kPa

Power Requirement

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

Dimension and Weight

- Dimension: Depth(410 mm) x width(300 mm) x height(400 mm)
- Weight: 20Kg

Scan & Explore



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