

labodam



5 Parts Hematology Analyzer LD-LHTA-A10

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5 Parts Hematology Analyzer LD-LHTA-A10 is an advanced and automatic hematology analyzer, comprised with 5 parts, 29 parameters, and 3 histograms assay, offers throughput of 60 tests/hour. Features Tri-angle laser scatter, Flow cytometry method, Impedance method for RBC and PLT counting and Cyanide-free method for HGB test along with 3D holographic scattergram to displays the accurate 5 part differentiation of WBC. Equipped with 14 inch touch screen and large storage capacity for 100,000 results, this hematology analyzer has interface of 4 USB ports, 1 LAN port Bi-direction LIS, support HL 7 protocol, Internal RFID reader. With CBC mode, CBC+DIFF mode, Venous whole blood, Capillary whole blood and Prediluted test mode, this hematology analyzer is an ideal unit for white blood cell counts, complete blood counts, and reticulocyte analysis.

Features

- ❑ An advanced and automatic hematology analyzer
- ❑ 5 parts, 29 parameters, and 3 histograms assay with throughput of 60 tests/hour
- ❑ Tri-angle laser scatter, Flow cytometry method, Impedance method for RBC and PLT counting, Cyanide-free method for HGB test
- ❑ 3D holographic scattergram to displays the accurate 5 part differentiation of WBC
- ❑ 14 inch touch screen and large storage capacity for 100,000 results
- ❑ 4 USB ports, 1 LAN port Bi-direction LIS, support HL 7 protocol, Internal RFID reader
- ❑ CBC mode, CBC+DIFF mode, Venous whole blood, Capillary whole blood and Prediluted test mode
- ❑ An ideal unit for white blood cell counts, complete blood counts, and reticulocyte analysis
- ❑ Highly efficient, stable and reliable with high precision

Application

Hematology analyzers are used for white blood cell counts, complete blood counts, reticulocyte analysis, and coagulation tests across medical labs, zoo, veterinarian labs, research labs, medical institutes, clinical laboratories etc.

Specifications

Model	LD-LHTA-A10			
Measuring principle	Tri-angle laser scatter, Flow cytometry method, Impedance method for RBC and PLT counting, Cyanide-free method for HGB test			
Sample volumes	CBC+DIFF mode: $\leq 20 \mu\text{l}$ CBC mode: $\leq 10 \mu\text{l}$			
Throughput	60 tests/hour			
Assay Items	5 parts, 29 parameters, 3 histograms			
Display	14 inch touch screen			
Storage	100,000 sample results, including histograms, scattergrams and patient information			
Parameters	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS# 4 Research parameter: ALY%, ALY#, IG%, IG#			
Performance	Item	Linearity range	Carry Over	CV
	WBC	$0-300 \times 10^9/\text{L}$	$\leq 0.5\%$	$\leq 2.0\%$
	RBC	$0-8.00 \times 10^{12}/\text{L}$	$\leq 0.5\%$	$\leq 1.5\%$
	HGB	$0-250 \text{ g/L}$	$\leq 0.5\%$	$\leq 1.5\%$
	PLT	$0-3000 \times 10^9/\text{L}$	$\leq 1.0\%$	$\leq 4.0\%$
Interface	4 USB ports, 1 LAN port Bi-direction LIS, support HL 7 protocol, Internal RFID reader			
Power Consumption	400 VA			
Power Supply	AC 220V $\pm 10\%$, 50/60Hz, 110V $\pm 10\%$, 60Hz			
Packaging dimension (WxDxH)	670 × 590 × 790 mm			
Gross Weight	53 kg			

Reagents needed

1	LD Lyse 250 ml Bottle
2	LH Lyse 250 ml Bottle
3	Diluent 20 L Box
4	Probe Cleanser 50 ml Bottle