LABTRON

3 Parts Hematology Analyzer
LHTA-B10

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3 Parts Hematology Analyzer LHTA-B10 is an advanced configuration, high-speed, 3-partsblood hematology analyzer, offers throughput of 60 tests/hour. Features Impedance method and Cyanide free method for cell counting and HGB measurement with triple counting modes. Incorporated with manual and auto calibration, histograms and 20 parameters, this hematology analyzer required sample volume of 10 µl for normal sample and 20 µl for prediluted samples. Equipped with 8-inch touch screen, built-in thermal printer and large storage for up to 100000 sample results, this hematology analyzer offers RS232, USB, and VGA interface and supports LIS and external printer.

Features

- An advanced configuration, high-speed, 3-parts blood hematology analyzer
- Throughput of 60 tests/hour with storage for up to 100000 sample results
- Impedance method and Cyanide free method for cell counting and HGB measurement
- Triple counting modes: Venous, Capillary, and Prediluted
- Manual and auto calibration with 3 histograms and 20 parameters
- Required sample volume of 10 µl for normal sample and 20 µl for prediluted samples
- 8-inch touch screen, for easy and convenient operation and monitoring
- Built-in thermal printer with RS232, USB, and VGA interface
- Supports LIS and external printer
- Easy-to-use, high-efficient, user-friendly and reliable

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	LHTA-B10
Throughput	60 tests/hour
Measuring principle	Impedance method for cells counting; Cyanide free method for HGB measurement

Counting modes	Triple counting modes: Venous, Capillary, and Prediluted		
Sample volumes	Normal: 10 µl; Pre-diluted: 20µl		
Calibration System	Automatic; Manual		
Display	8-inch touch screen		
Storage	Up to 100,000 sample results		
Printer	Built-in thermal printer		
Parameters	20 parameters: WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR		
Histogram	3 histograms: WBC, RBC, PLT		
Carry-over rate	WBC		CV ≤ 2%
	RBC		CV ≤ 1%
	HGB		CV ≤ 2%
	PLT		CV ≤ 2%
Background	WBC		≤ 0.2×10^9/ 1
	RBC		≤ 0.02×10^{12}/ 1
	HGB		≤ 1 g/1
	HCT		≤ 0.5%
	PLT		≤ 10×10^9/ 1
Precision	Parameter	CV	Measurement range
	WBC	CV ≤ 2%	(4 to 15 $\times10^9$)/1
	RBC	CV ≤ 1.9%	(3.5 to 6 $\times10^{12}$) /1
	HGB	CV ≤ 1.9%	(110 to 180 g)/1
	HCT	CV ≤ 0.4%	(80 to 110) f1
	PLT	CV ≤ 4%	(100 to 500 $\times10^9$)/1
Linearity	Parameter	CV	Measurement Range
	WBC	(±0.3 × 10^9)/1 ± 5%	(0 to 5.9 × 10^9)/1 (6 to 99.9 × 10^9)/1
	RBC	(± 0.05 × 10^{12})/1 ± 5%	(0 to 0.99 × 10^{12})/1 (1 to 9.99 × 10^{12})/1

	HGB	(± 2 g)/1 ± 2%	(0 to 99 g)/1 (100 to 300 g)/1
	PLT	(± 8 × 10^9)/1 ± 10%	(0 to 99 × 10^9)/1 (100 to 999 × 10^9)/1
Interface	RS232, USB, and VGA		
Power supply	AC 220/110 V ± 10%, 50/60 Hz		
Packaging dimension (W×D×H)	580×470×590 mm		
Gross weight	27 kg		
Reagent packaging dimension (W×D×H)	450×410×310 mm		
Reagent gross weight	23 kg		