



## 3 PARTS HEMATOLOGY ANALYZER LD-LHTA-B10

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3 Parts Hematology Analyzer LD-LHTA-B10 is an advanced configuration, high-speed, 3-parts blood hematology analyzer, offers throughput of 60 tests/hour. Features Impedance method and Colorimetric method for cell counting and HGB measurement with triple counting modes. Incorporated with manual and auto calibration, histograms and 21 parameters, this hematology analyzer required sample volume of 10  $\mu$ l for normal sample and 20  $\mu$ l for prediluted samples. Equipped with 9.7-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 Colorimetric method for cell counting and HGB measurement
- Triple counting modes: Venous, Capillary, and Prediluted
- Manual and auto calibration with 3 histograms and 21 parameters
- Required sample volume of 10  $\mu$ l for normal sample and 20  $\mu$ l for prediluted samples
- 9.7-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

### Applications

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 No.	LD-LHTA-B10
Measuring principle	Impedance method for cells counting; Colorimetric method for HGB measurement
Histogram	3 histograms: WBC, RBC, PLT
Background	WBC- $\leq 0.3 \times 10^9$ /l; RBC- $\leq 0.03 \times 10^{12}$ /l; HGB- $\leq 1$ g/l; HCT- $\leq 0.5\%$ ; PLT- $\leq 10 \times 10^9$ /l
Parameters	21 parameters: WBC, Mid#, Lym#, Gran#, Mid%, Lym%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC,

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	RDW-SD, RDW-CV, PLT, MPV, PDW, PCT, P-LCR, P-LCC
Throughput	60 tests/hour
Counting modes	Triple counting modes: Venous, Capillary, and Prediluted
Sample volumes	Normal: 10 $\mu$ l; Pre-diluted: 20 $\mu$ l
Carry-over rate	WBC-CV $\leq$ 1.5%; RBC-CV $\leq$ 1%; HGB-CV $\leq$ 1%; PLT-CV $\leq$ 3%
Calibration System	Automatic; Manual
Linearity (Parameter   CV   Measurement range)	WBC-( $\pm 0.5 \times 10^9$ )/l $\pm$ 5%-(0.5 to $10 \times 10^9$ )/l or ( $10.10$ to $99.9 \times 10^9$ )/l; RBC-( $\pm 0.05 \times 10^{12}$ )/l $\pm$ 5%-(0.05 to $1 \times 10^{12}$ )/l or ( $1.01$ to $9.99 \times 10^{12}$ )/l; HGB-( $\pm 2$ g)/l $\pm$ 2%-(2 to 70 g)/l or (71 to 300 g)/l; PLT-( $\pm 10.0 \times 10^9$ )/l $\pm$ 8%-(10 to $100 \times 10^9$ )/l or ( $101$ to $999 \times 10^9$ )/l
Precision (Parameter   CV   Measurement range)	WBC-CV $\leq$ 2%-(4 to $15 \times 10^9$ )/l; RBC-CV $\leq$ 1.6%-( $3.5$ to $6 \times 10^{12}$ )/l; HGB-CV $\leq$ 1.6%-(110 to 180 g)/l; HCT-CV $\leq$ 1%-(70 to 120) fl; PLT-CV $\leq$ 4%-(150 to $500 \times 10^9$ )/l;
Display	9.7-inch touch screen
Printer	Built-in thermal printer
Interface	RS232, USB, and VGA
Storage	Up to 100,000 sample results
Gross weight	31 kg
Reagent gross weight	25 kg
Packaging dimension (WxDxH)	410 x 570 x 620 mm
Reagent packaging dimension (WxDxH)	480 x 480 x 480 mm
Power supply	AC 220/110 V $\pm$ 10%, 50/60 Hz