

CONTEC

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LIGHT THE RHYTHM OF LIFE WITH TECHNOLOGY



Automatic Hematology Analyzer HA3100

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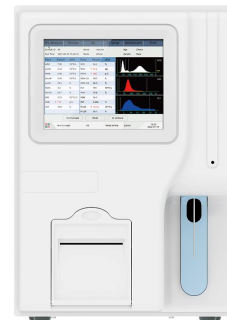
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Automatic Hematology Analyzer

HA3100



Micro detection



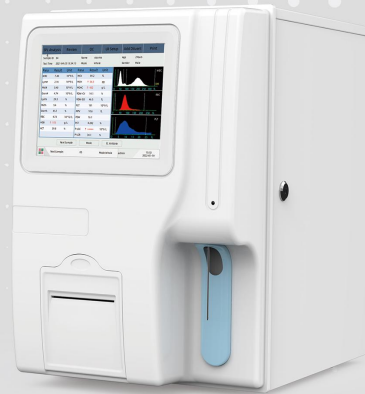
Touch operation



Automatic storage



Environmentally friendly



The Automatic Hematology Analyzer is an in vitro diagnostic device that used for quantitative analysis of blood cells, and it can realize three classifications of the count results of white blood cells. This analyzer is a clinical inspection instrument for screening. When making a clinical judgment based on the analysis results, the doctor should take the clinical examination results or other test results into consideration. This analyzer is suitable for the detection of white blood cells, red blood cells, platelets, hemoglobin and other parameters and counting of white blood cells into three classifications.

Features

- Automatic storage of test results, review and print all parameters in test results;
- Color touch screen, all parameters and histograms can be displayed in the same screen;
- Support the expansion of external devices such as mouse, keyboard and printer;
- Optical five reference ranges: newborn, children, adult women, adult men, and general use;
- Multiple clogging elimination methods: high-pressure burning jewel hole, high-pressure reverse rinsing and soaking;
- Automatic cleaning of sample probe;
- Multi-language;
- Built-in thermal printer, serial port printing and other printing methods;
- With quality control management and calibration management function;
- Use the cyanide-free SFT method (environmentally friendly) to measure hemoglobin;
- Floating boundary algorithm and histogram abnormal prompt function.

Physical characteristic

- Dimension: 433mm(L)×300mm(W)×430mm(H)
 - Weight: 19kg
- Operating Environment:
- Temperature: 15°C~35°C
 - Relative humidity: ≤70%
 - Atmospheric pressure: 70.0kPa ~ 106.0kPa
- Storage Environment:
- Temperature: -40°C~55°C
 - Relative humidity: ≤93%
 - Atmospheric pressure: 50.0kPa ~ 106.0kPa

Performance

- Test parameters: WBC 3-part differential counting, 24 parameters (including WBC, RBC, PLT color histogram);
- Measurement principle: counting by electrical impedance method, colorimetric method to measure HGB;
- Quality control method: L-J, automatic drawing and printing of quality control charts;
- Sample volume: trace detection, 10μL peripheral blood or anti-coagulant blood, pre-dilution mode 20μL;
- Precision: WBC ≤ 3.0%, RBC ≤ 2.0%, HGB ≤ 2.0%, PLT ≤ 5.0%, MCV ≤ 0.5% ;
- Accuracy: WBC ≤ ±6.0%, RBC ≤ ±5.0%, HGB ≤ ±4.0%, PLT ≤ ±10.0%, HCT ≤ ±5.0%;
- Blank count: WBC ≤ 0.2×10⁹/L, RBC ≤ 0.02×10¹²/L, HGB ≤ 1 g/L, PLT ≤ 10×10⁹/L, HCT ≤ ±0.5%;
- Carry-over: WBC ≤ 2.0%, RBC ≤ 1.0%, HGB ≤ 2.0%, PLT ≤ 2.0%; Linearity deviation: WBC ≤ ±5%, RBC ≤ ±5%, HGB ≤ ±3%, PLT ≤ ±10%;
- Linearity related coefficient: WBC ≥ 0.990, RBC ≥ 0.990, HGB ≥ 0.990, PLT ≥ 0.990;
- Display: 8" color LCD touch screen;
- Detection channel: dual channel;
- Test speed: 60 specimens/hour, continuous working for 24 hours;
- Data storage: It can automatically store more than 300,000 groups of complete results (each result has three histograms);
- Interface: USB interface, RS232 interface;
- Power supply: ~100V-240V; 50/60Hz.

Accessories

- Mouse
- Thermal print paper
- Power cord
- Grounding cable
- Serial cable
- Pipe assembly (for Diluent, Hemolytic agent, Waste liquid respectively)
- User manual
- Key of device side board