ES-HEM500
3 Part Auto Hematology Analyzers
ES-HEM500
3 Part Auto Hematology Analyzer

Description

- **ES-HEM500** version with keyboard and mouse **ES-HEM500 Plus** version with touchscreen
- High reliability & Safety (The most advanced technology and structure)
- Adopting the most advanced binuclear embedded digital circuit system makes the analytical ability great and stable.
- Separate test units of WBC and RBC makes the test results more accurate and less cross-contamination.
- Adopting CPLD technology in data processing, free from the interference of electromagnetic signals.
- Easy operation
- Easy operating interface
- Dual test units, fast and convenient
- Module design, fast maintenance
- Economical and Durable
- Long life of the machine, all accessories with high performance
- Classic design of highly reliable fluid pipe structure
- Long-term stability, accurate and reliable clinical test results is the core of ES-HEM500

Features

- **Principle:** electrical impedance for counting and SFT method for hemoglobin.
- **Test parameters:** 23 parameters WBC, LYM#, MID#, GRA#, LYM%, MID%, GRA%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, and three-part differentials including WBC, RBC, PLT color histogram.
- **Sample quantity:** 9μL venous blood, 20μL pre-dilution blood.
- **Sample Pre-dilution:** internal diluter, add 1ml diluent automatically by the needle; no need to add diluent manually, to avoid error and make the operation more convenient and standard.
- **Working model:** dual-channel testing.
- **Aperture:** WBC: 80μm RBC/PLT: 50μm
- **Throughput:** Automatic sampling, 60 samples per hour.
- **Results storage:** Storage of 10,000 patients’ results (including histogram). It is more convenient to manage and review historical data.
- **Reference value setting:** For general use, male, female, children, newborns.
- **Calibration:** Manual and automatic calibration
- **QC:** comprehensive QC program, forming and printing the histogram automatically.
- **Performance index:** precision (CV) linear rang
  - WBC≤1.5% 0.00〜99.9×10⁹/L
  - RBC≤1.5% 0.00〜99.9×10¹²/L
  - HGB≤1.5% 0〜300g/l
  - PLT≤4.0% 0〜999×10⁹/L
  - MCV≤0.3% 40〜150fL
- **Boot check:** Self check for hardware, alarm for disorder
- **Clog-removal:** Real time monitor, high ignition, soak, flush and back flush
- **Classification:** Floating landmark technique
- **Mainframe control:** ARM Intelligent micro-processing technology and high-performance document-management, display and print-processing.
- **Data analysis:** intelligent pulse formulation techniques
- **Structural features:** separate module design
ES-HEM500
3 Part Auto Hematology Analyzer

Features

- Display: 10.4” large color LCD displays all parameters and histograms simultaneously
- Print: internal thermal printer or USB port universal printer (matching)
- Output: 3 USB port, 1 parallel printer port, 2 RS232 port
- Ambient Conditions:
  - Temperature: 15-30°C
  - Humidity: ≤80%
  - Atmospheric pressure: 70Kpa-106Kpa
- Power supply: AC220V±22V, 50Hz±1Hz
- Dimensions: 325 x 370 x 545 mm - Weight: 15 kg

Software

- Full screen info with color histogram
- Calibration info
- QC info
- Maintenance info
Reagents

Start-up kits
Diluent 20L
Llyse-1 250ml
Lyse-2 250ml
Probe cleanser 100ml