

# EGYTRON AUTO HEMATOLOGY ANALYZER



## 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 EGYTRON.

## Features:

- Principle: electrical impedance for counting and SFT method for hemoglobin
- Test parameters: three-part differentials of WBC, 23 parameters (including WBC, RBC, PLT color histogram)
- Sample quantity: 9 $\mu$ L venous blood, 20 $\mu$ L 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: 80 $\mu$ m RBC/PLT: 50 $\mu$ m
- 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, and newborns.
- Calibration: Manual and automatic calibration
- QC: comprehensive QC program, forming and printing the histogram automatically.
- Performance index: precision (CV) linear rang
  - WBC  $\leq$  5% 0.00~99.9 $\times$ 10<sup>9</sup>/L
  - RBC  $\leq$  5% 0.00~99.9 $\times$ 10<sup>12</sup>/L
  - HGB  $\leq$  5% 0~300g/l
  - PLT  $\leq$  4.0% 0~999 $\times$ 10<sup>9</sup>/L
  - MCV  $\leq$  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
- Display: 10.4" large color LCD displays all parameters and histograms simultaneously
- Print: internal thermal printer or USB port universal printer (matching)
- Output: 3USB port, 1parallel printer port, 2 RS232 port
- Ambient Conditions:
  - Temperature: 15-30 $^{\circ}$ C; Humidity:  $\leq$ 80%; Atmospheric pressure: 70Kpa-106Kpa
  - Power supply: AC220V $\pm$ 22V, 50Hz $\pm$ 1Hz

Dimensions: 325 x 370 x 545 mm

Weight: 15 kg

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