

TEK8600 Automatic 5-diff Hematology Analyzer



Features

- **Wide range of high-speed and stable application scenarios**

1. Compact size, efficient and space saving, suitable for compact environments in outpatient and emergency laboratories
2. Adopting an integrated solution with hemolytic agents, effectively reducing external pipeline layout and avoiding pipeline entanglement issues.
3. Strong anti-interference ability, wide application scenarios, suitable for various complex environments

- **Graphic and textual operation interface and data management system**

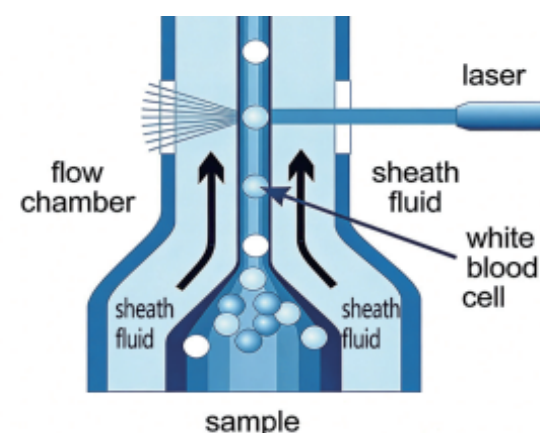
1. Large screen touch operation, simple and easy to use
2. Multiple printing formats
3. Intelligent and efficient data management enables dynamic management of reagents, quality control, patient information, and more
4. Complete traceability monitoring system for reagents, calibration, and quality control
5. Excellent abnormal data alarm function
6. Wireless connection: WIFI, Bluetooth, and other wireless data transmission technologies enable wireless printing, support LIS/HIS systems, and enable information networking in laboratory departments



Main Technical Specifications

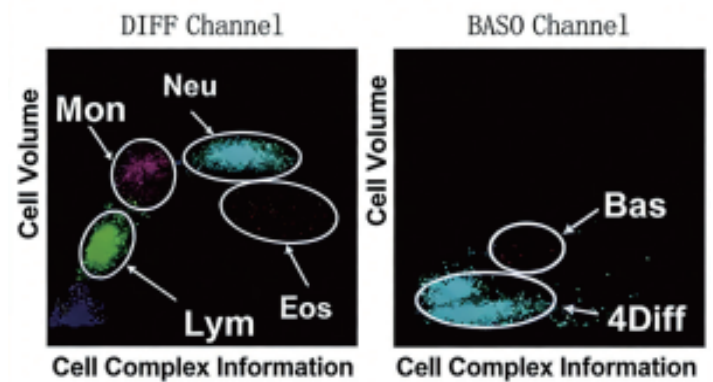
- **Laser scattering sheath flow classification technology**

By using semiconductor lasers, the lifespan is longer and the laser signal is stable. Through laser scattering combined with sheath flow technology, information on cell size, nucleus, and particle complexity can be provided, resulting in more accurate classification and counting.



● *Floating classification technology*

Similar white blood cells exhibit high similarity and clear clustering, with relatively fixed positions on the scatter plot. However, due to individual differences in the population, the positions on the scatter plot may fluctuate. Floating classification technology can automatically adapt to changes in the scatter plot, effectively identify the boundaries of various types of cells, and obtain more accurate white blood cell classification results.



Maintenance

- Easy to operate, one click maintenance and upkeep
- Automatic maintenance can be set as needed
- Automatic fault diagnosis, one click troubleshooting



Specifications

Model	TEK8600
Test items	WBC、Lym#、Mon#、Neu#、Eos#、Bas#、Lym%、Mon%、Neu%、Eos%、Bas%、RBC、HGB、MCV、RDW-CV、RDW-SD、HCT、MCH、MCHC、PLT、MPV、PDW、PCT、P-LCC、P-LCR
Graphics	4 scatter plots, 2 histograms
Sample Types	Whole Blood, Peripheral Blood, Predilute blood
Sample volume	Whole blood:20uL Prediluted: 20uL
Analysis Methods	CBC+5DIFF, Prediluted, etc
Test speed	60 samples / hour
Data query	Multiple query methods, including sample number query, patient information query, all sample query, and daily result query. And support data export to EXCEL format
Display	10.4-inch, color touch screen display
Reagent constant temperature	Reagent constant temperature to avoid temperature influence
Reagent management	Reagent remaining display, reagent shortage alarm
Operation mode	No need for an external computer, touch operation, and support for connecting keyboard and mouse
Quality control	L-J, floating mean value, multi level quality control
Calibration	Automatic, manual, and fresh blood calibration
Maintenance	One click maintenance and upkeep
Result Printing	Multiple printing formats, supporting various printers such as laser and thermal printers
Information transmission	Bidirectional LIS communication, HL7 and other transmission protocols
Wireless connection	WIFI, Bluetooth (optional) and other wireless transmission of data, wireless printing, LIS connection, laboratory LAN
Interface	LAN, RS232, HDMI, 4 USB
Options	bar code scanner (optional)
Language	Support multi-language
Power supply and power	~100-240V 50/60Hz
Supporting reagents	Starting kits: Diluent, DIFF hemalyse, LH hemalyse Maintenance reagent: concentrated detergent Other reagents: quality control blood, calibration blood
Weight	Net weight: about 30kg Gross weight: about 36kg
Volume	Machine size: W325xD465xH470mm Package Size: W490xD630xH650mm