TEK8520

Automatic 5-diff Hematology Analyzer

TEK8520 Technical specifications

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

Weight
Net weight: about 30kg Gross weight: about 36kg

Volume
Machine size: W325xD465xH470mm Package Size: W490xD630xH650mm

Automatic
Hematology Analyzer



The company has passed the ISO9001 and ISO13485 quality management system certification

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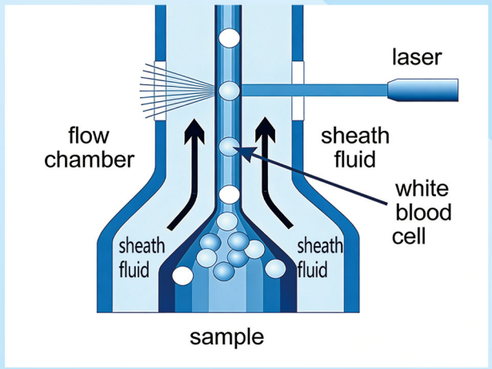
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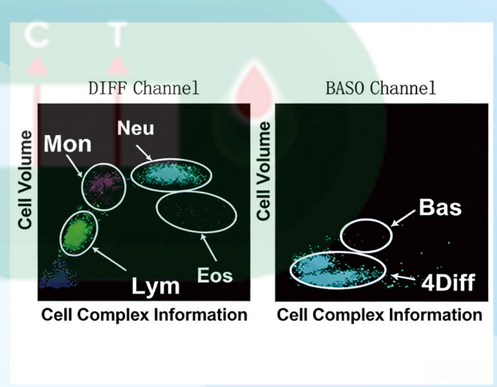
Laser scattering sheath flow classification technology

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.



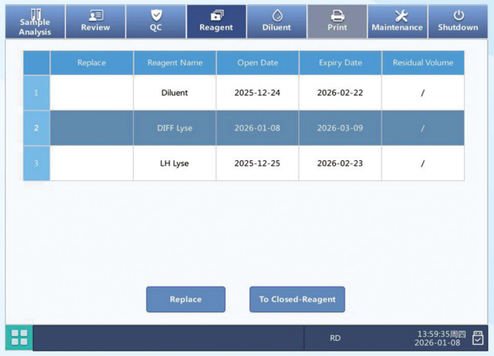
Floating classification technology

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.



Supporting reagents

Starting kits: Diluent, DIFF hemalyse, LH hemalyse
Maintenance reagent: concentrated detergent
Other reagents: quality control blood, calibration blood



Wide range of high-speed and stable application scenarios

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



Graphic and textual operation interface and data management system

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



Maintenance

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

