

BF-6500

Automatic Hematology Analyzer

DIRUI



- Minimum sample aspiration volume: only 10 μ L
- Individual BASO channel is dependable
- Only 20 μ L whole blood ensures precise 5-DIFF results
- 10 research parameters report is second to none

Accurate & Reliable Results

● **Advanced Test Principle**
Adopting the main stream 5-part differential technology, semiconductor laser combined with cytochemical staining. Cyanide-free hemoglobin reagents shall be safe & environmental-friendly.

Flexible & Intelligent Screening

- Numerous reference ranges and alarm limits are available for end-user to define.
- Multiple research parameters enhance the screening ratio of abnormal samples.

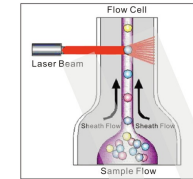
High Efficient & Automatic Test

- Throughput of 60 samples per hour
- Multiple test modes as user needs



Semiconductor laser flow cytometry combined with cytochemical staining

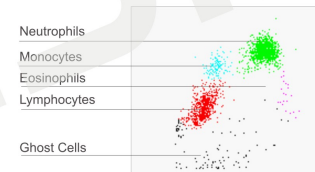
BF-6500 Automatic Hematology Analyzer adopting high stability, long life and economical semiconductor laser as light source of flow cell analysis system. Multi-angle laser scattering to accurately test cell size, cell nucleus, cell contents granular and complexity information, and combine with cytochemical staining technique to conduct differential to WBCs. At the same time, screening out the abnormal cells, greatly enhance the screening ratio of abnormal sample.



Dual-channel WBCs 5-diff

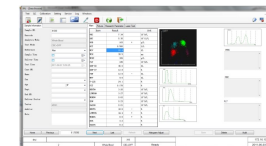
DIFF channel: Lyse dissolve RBCs and hemoglobin, conduct specific staining to eosinophils. Through the detection of semiconductor laser flow scattering technique, lymphocytes, monocytes, neutrophils and eosinophils will be distinguished in the DIFF channel.

BASO channel: Dedicated lyse agent keeps basophils maintain their original form, other cells dissolve or contract. Basophils and WBCs number can be accurately tested by electronic impedance.



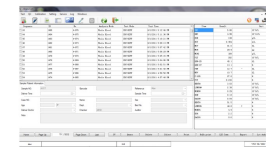
Economic Using

Only 20 μ L whole blood ensures the reliable results.
Only 4 reagents on line.
Impedance method for special BASO channel provides the accurate results of basophils.



Simple & Friendly Design

Compact & economic instrument design.
Simple application interface with graphic buttons.
Easy to access maintenance program.
Reduce carry-over ratio through auto-rinsing.
Whole blood or pre-diluted blood mode.



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Specifications:

Test Item	WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS#, RDW-SD, RDW-CV, PDW, MPV, PCT, P-LCR
Research Parameter	BLAST#, IMM#, LEFT#, ABNLYM#, NRBC#, BLAST%, IMM%, LEFT%, ABNLYM%, NRBC%
Test Principle	Semiconductor laser flow cytometry combined with cytochemical staining, impedance, environmental friendly cyanide-free colorimetry
Throughput	CBC mode: 60 samples/h CBC+DIFF mode: 60 samples/h
Analysis Mode	CBC mode CBC+DIFF mode
Sample Type	Whole blood, pre-diluted blood
Sampling Tube	Open
Data Storage	With a storage capacity of 30000 patients' results,
Display	External computer
Report Form	A variety of print formats can be pre-programmed. User-defined format is also available.
Expansion Function	USB port, internet port, support U-Disk, printer, mouse and keyboard, etc.
Working Condition	Temperature 18-30°C, humidity ≤75%
Power	~100-240V 50 Hz/60Hz

Secure Accurate Stable Reliable



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Certified to
ISO 9001:2008 and ISO 13485:2003

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* Specifications subject to change without notice.
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