BC-30s

Auto Hematology Analyzer

Minimum Size,
Maximum Capability

mindray
healthcare within reach

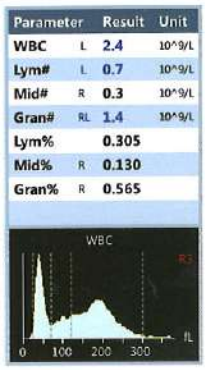
BC-30s

Auto Hematology Analyzer

New 3-part

With decades' dedication and cumulative experience in establishing hematology analyzer platform, BC-30s is newly designed for diagnosis labs wishing to have better usability and higher efficiency.

BC-30s, the minimum size hematology analyzer with extraordinary exquisite appearance Mindray have ever been designed, may offer you advanced user friendly operation, detailed flag information, which is the most compact footprint and the best power efficiency 3-part hematology analyzer with maximum capability.



Leucopenia
Lymphocyte decreased
Pancytopenia

Exclusive Feature

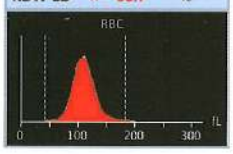
Detailed flag message, as exclusive feature, assists doctors for pre-diagnostics. It can provide flag information which are similar with 5-part analyzer including WBC flag, RBC flag and PLT flag

Different flag information are provided according to parameters results together with histograms.

Sample 1 : BC-30s can provide flags named "Leucopenia" , "Lymphocyte decreased", "Pancytopenia" which represent white blood cell decreased, the low number of Lymphocyte and decreased of leukocyte, erythrocyte and plate count. Also the previous flag "R3"is still shown. Two kinds of flag messages are both supported to ensure clinicians have better understanding of sample results.

Sample 2 : Flag "Anemia" is pop up. It means the sample has the possibility of anemia.

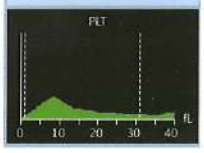
Parameter		Result	Unit
RBC	L	1.86	10^12/L
HGB	L	67	g/L
HCT	L	0.193	
MCV	H	103.5	fL
MCH	H	35.8	pg
MCHC		346	g/L
RDW-CV		0.157	
RDW-SD	H	60.7	fL



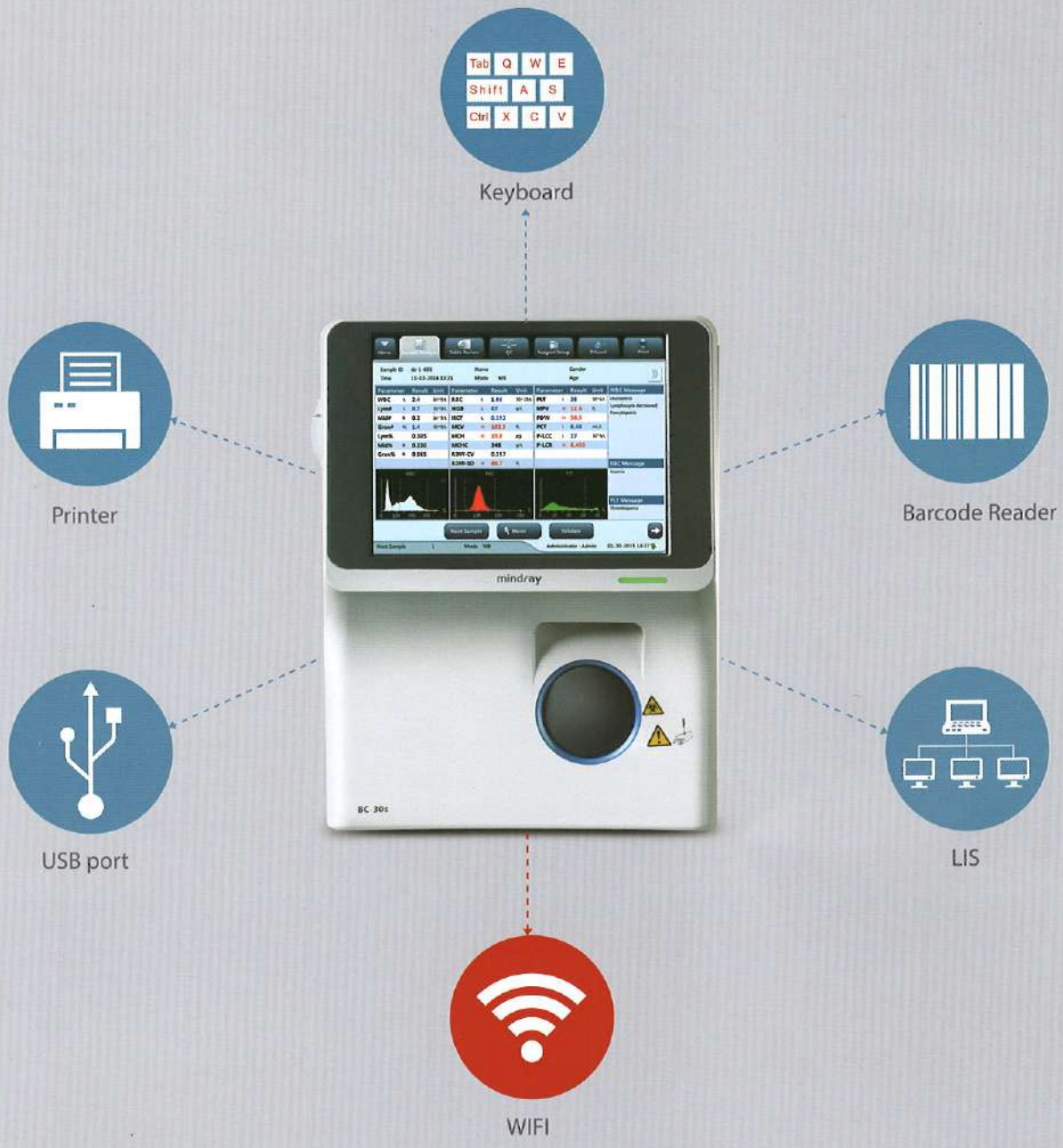
Anemia

Sample 3 : Flag "Thrombopenia" is displayed which stands for Plates decreased.

Parameter		Result	Unit
PLT	L	38	10^9/L
MPV	H	12.6	fL
PDW	H	18.5	
PCT	L	0.48	mL/L
P-LCC	L	17	10^9/L
P-LCR	H	0.455	



Thrombopenia



WIFI capability provides you full solution for data communication together with bi-directional LIS, USB port and LAN port, barcode reader, printer and keyboard.

Better Usability

Slim size spares you space

Minimum size with small footprint of 17 inch laptop as well as Internally-stored-lyse design save more space for small labs to ensure them have higher-usage of room.
10.4 inch TFT touch screen together with powerful software offer you more user-friendly interface and pleasant operation experience.

Smart design offers you lower reagent consumption

Less reagents is needed and lower reagent consumption is effected owing to optimized liquid system, EZ cleanser and rinse deleted.
In order to match the requirements of low sample volume target customers, smaller package of reagents are supported.

Enhanced Quality

Swift speed provides you good specification

Higher throughput at 70 tests per hour, it will save clinicians more time.

Superior features ensure you higher performance

Micro sample volume at 9.0uL for whole blood mode along with capillary whole blood samples supported are perfect for pediatric samples.

BC-30s
Auto Hematology Analyzer

Technical Specifications

Principles
Impedance method for WBC, RBC and PLT counting
Cyanide free reagent for hemoglobin test

Performance

Parameter	Linearity Range	Precision (CV %)	Carryover
WBC(10^9/L)	0-200	≤3.5% (4.0-6.9)	≤0.5%
		≤2.0% (7.0-15.0)	
RBC(10^{12}/L)	0-8.00	≤1.5% (3.5-6.5)	≤0.5%
HGB(g/L)	0-280	≤1.5% (100-180)	≤0.5%
MCV(fL)		≤1.0% (70-110)	
PLT(10^9/L)	0-4000	≤5.0% (100-149)	≤1.0%
		≤4.0% (150-500)	

Parameters
21 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR,P-LCC
3 histograms for WBC, RBC and PLT

Reagent
M-30D DILUENT
M-30CFL LYSE
PROBE CLEANSER

Sample Volume
Prediluted mode 20μL
Whole blood mode 9 μL

Throughput
70 samples per hour

Display
10.4 inch TFT Touch Screen

Data Storage Capacity
Up to 500,000 results including numeric and graphical information

Communication
LAN Port supports HL7 protocol
Support bi-directional LIS

Interface
4 USB port (for external printer, software upgrade, barcode reader, WIFI adapter,keyboard and mouse), LAN port (1)

Printout
Thermal recorder, 50 mm wide paper, various printouts formats
External printer optional

Operating Environment
Temperature: 10°C~40°C
Humidity: 10%~90%
Air pressure: 70kPa~106kPa

Power Requirement
100V-240V
≤300VA
50Hz/60Hz

Dimension and Weight
Dimension: Depth(410 mm) x width(300 mm) x height(400 mm)
Weight: ≤20Kg

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P/N: ENG-BC-30s-210285x6-20141229

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BC-5390

Auto Hematology Analyzer

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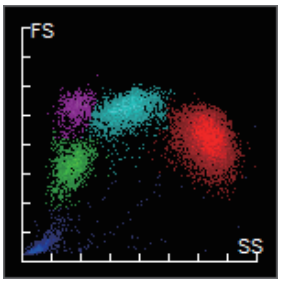
healthcare within reach

BC-5390

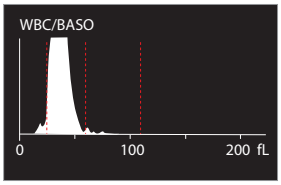
Auto Hematology Analyzer

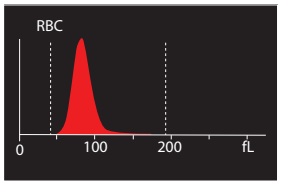
The new BC-5390 Auto Hematology Analyzer provides rapid and reliable test from just 33uL of blood. Utilizing three mainstream technologies: laser scatter, flow cytometry and chemical dye, BC-5390 can provide accurate differential readout. In order to save time and increase walk-away automation, an autoloader is equipped to hold 40 tubes one time and achieve 60 samples/hr throughput. With the popular windows based software, you can easily perform the routine tests, manage patient results, set up auto-cleaning and connect with LIS server. BC-5390 is your ideal choice to streamline daily workflow.

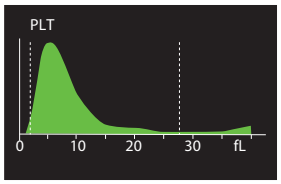
- Semi-conductor laser combined with chemical dye method advanced flow cytometry
- 21 parameters with complete 5-part differentiation(CBC+DIFF) on white blood cells
- 40-tubes autoloader with random access
- Closed tube for STAT samples
- Capability to flag abnormal samples
- Only 33 µl sample volume for CBC + DIFF results
- Up to 60 samples processed per hour
- Supports whole blood mode for capillary sample
- Large storage capacity: up to 100,000 samples
- Support bi-directional LIS connection
- Customization on reference range, auto-cleaning schedule and report format



Eosinophilia sample







White blood cell differentiation

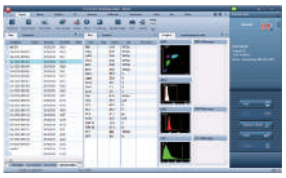
The semi-conductor laser system collects forward scatter and side scatter information of white blood cells in a flow cell and differentiates lymphocytes, monocytes, neutrophils and eosinophils according to the cell size and granule complexity. Specific chemical dye treatment to eosinophils can separate from neutrophils in DIFF scattergram even on Eosinophilia sample . In addition, basophils are measured in an impedance channel upon lysing action on the RBC and other WBC groups.

Advanced impedance measurement for RBC and PLT

Mindray patented digital sheath flow and weak signal detection techniques are applied to ensure accurate counting and sizing of RBC and PLT in the impedance channel. Dynamic discriminator adjustment can improve the separation of RBC and PLT groups when large platelet and micro RBC are present. Benefiting from these improvements, MCV, RDW and PLT performance are greatly enhanced.

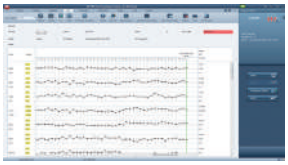
M-5 reagents and BC-5D controls

Only 4 routine M-5 reagents are utilized in counting cycle featuring economical consumption and 2 years shelf life. To help precision monitoring, three levels of BC-5D controls are offered in a ready-to-use kit and the assay value table can be automatically imported through USB memory.



Windows based software

The analyzer's windows-based software is simple to use and plays a powerful information hub to store 100000 patient results. You can set-up password access, reference range, auto-cleaning schedule and so on. Also, the built-in report format tool can help to customize the final report type to include microscopic counting, ESR, blood type and diagnostic remarks.



QC monitoring and patient archive

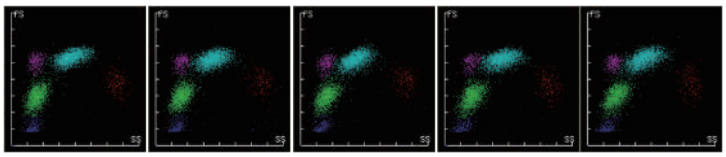
60 QC files are designed to store L-J QC results. 300 data points can be recorded in single file. 2 common QC programs are enabled for full quality assurance purposes. Patient data is archived and can be searched and presented in trend curve for case follow-up.


Venous whole blood sample


Pre-diluted sample


Capillary whole blood sample

Different holder adapters supports three types of sample including Venous whole blood sample, Predilute sample and Capillary whole blood sample. Capillary whole blood sample can be well tested directly which is more convenient for users and makes the analyzers an ideal choice to work with pediatric and geriatric samples.


1 hour | 4 hours | 8 hours | 12 hours | 24 hours

Anti-aging samples with more than 12 hours transportation to central labs which is a quite frequent and normal situation for small to medium labs in countryside. Hence, diagnosing anti-aging samples accurately becomes an significant issue for developing countries or cities. With enhanced reagent system and upgraded reagent formula, BC-5390 is an ideal solution that can better differentiate white blood cells on anti-aging samples under room temperature.

BC-5390

Auto Hematology Analyzer

Technical Specifications:

Principles
Impedance method for WBC/BAS, RBC and PLT counting;
Cyanide free reagent for hemoglobin test;
Flow Cytometry (FCM) + Laser scatter + Chemical dye method for WBC differential analysis

Parameters
21: WBC, LYM(#,%), NEU(#,%), MON (#,%), EOS (#,%), BAS (#,%), RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV
3 histograms and 1 scattergram

Analysis Mode
Autoloader Whole Blood Mode
Closed Whole Blood Mode
Closed Predilute Mode

Throughput
Up to 60 samples per hour with autoloader
Up to 51 samples per hour with closed mode
Up to 53 samples per hour with predilute mode

Sample Volume
Whole Blood CBC+DIFF 33 µL
Whole Blood CBC 24 µL
Prediluted: 20 µL

Test Panel
CBC CBC+DIFF

Performance

	Carryover	Precision	Linearity
WBC (x 10^3/µL)	≤ 1.0%	≤ 0.15 (SD) or 3.0% (CV%)	0.3-200
RBC (x 10^6/µL)	≤ 1.0%	≤ 1.5%	0.2-8.0
HGB (g/dL)	≤ 1.0%	≤ 1.5%	0.5-25
HCT (%)	≤ 1.0%	≤ 2.0%	2 -75
PLT (x 10^3 /µL)	≤ 1.0%	≤ 7.5 (SD) or 5.0% (CV%)	5-2000

Data Storage Capacity
Up to 100,000 results including numeric and graphical information

Communication
LAN Port supports HL7 protocol

Operating Environment
Temperature: 15 °C~30°C
Humidity: 30~85%
Air Pressure: 70~106 kPa

Power Requirement
A.C.100-240V ≤ 300VA 50/60Hz

Dimension and Weight
Dimension (WxDxH, inches): 22.4 x 23.2 x 20.6
Weight: ≤ 143 pounds

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P/N:ENG-BC5390FDA-210285x4-20170210

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BC-760 & BC-780

Auto Hematology Analyzer with ESR

Key Specifications

Principles
WBC (IMG/Neu/Mon/Lym/Eos/Bas), NRBC/RET*, PLT-H/PLT-O*/IPF:
SF Cube ^ Cell Analysis Technology
^S: Scatter; F: Fluorescence; Cube: 3D analysis

RBC, PLT
Focusing Flow-DC Impedance Method

HGB
Colorimetric method

ESR
Photometric method

Number of measuring parameters (whole blood): 109
Number of reportable parameters: 41
WBC Bas# Bas% Neu# Neu% Eos# Eos% Lym# Lym% Mon# Mon% IMG# IMG% RET%* RET#* RHE* IRF* LFR* MFR* HFR* RBC HGB MCV MCH MCHC RDW-CV RDW-SD HCT NRBC# NRBC% PLT PLT-I PLT-H PLT-O* MPV PDW PCT P-LCR P-LCC IPF ESR
Number of research parameters: 68*

Number of measuring parameters (body fluid): 18
Number of reportable parameters: 7
WBC-BF TC-BF# MN# MN% PMN# PMN% RBC-BF
Number of research parameters: 11

Sample volume
CD (whole blood): 25ul CD+ESR
(whole blood): 160ul Predilute: 20ul

Data storage capacity
Up to 150,000 results including numeric and graphical information *

Throughput
CD 80t/h CDR 45t/h CD+ESR 40t/h

Analysis Mode

Sample Type	Analysis Mode
Whole blood	CBC, CBC + DIFF, CBC + DIFF+RET*, CD + ESR, CDR + ESR*, CD/WBC-3X, CDR/PLT-5X*, and other modes
Predilute	CBC, CBC + DIFF, CDR*, and other modes
Body fluid	CBC + DIFF

Physical Specifications

Dimensions
840D x 655W x 600H mm

Weight
≤70.6Kg

Voltage
100V-240V~ (±10%)

Frequency
50Hz/60Hz (±1Hz)

Power input
600VA

External output
LANx1 , USB x 4 (Specifications: DC 5V; 500mA; USB2.0 x 3; USB3.0 x 1)

Normal Operating Environment

Ambient temperature:
10℃ ~ 35℃

Relative humidity:
30% ~ 85%

Atmospheric pressure:
70.0kPa ~ 106.0kPa^
^Note : Required altitude for normal operation:
-400m ~ +3000m

Performance

Parameter	Linearity Range	Precision	Carryover
WBC	0-500×10^9 /L	≤2.5% (≥4.51×10^9 /L)	≤ 1.0%
RBC	0-8.60×10^{12}/L	≤1.5% (≥3.5×10^{12}/L)	≤ 1.0%
HGB	0-260g/L	≤1.0% (110-180g/L)	≤ 1.0%
HCT	0-75%	≤1.5% (30%-50%)	≤ 1.0%
PLT*	0-5000×10^9 /L	≤ 1.5(SD) (≤20×10^9/L)^ ≤ 2.5% (≥100×10^9/L)^	≤ 1.0%
RET*	0-0.8×10^{12}/L	≤15% (RBC ≥ 3.00×10^{12}/L RET%: 1.00% ~ 4.00%)	≤ 1.0%
ESR		≤1.8(SD)(0~20mm/h)	≤ 1.0%

Note: Applicable only to CDR/PLT-O 5x and CR/PLT-O 5x models

Items marked with an aerisk (*) apply only to BC-780

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P/N:ENG-BC-760 & BC-780 ESR-210285X6P-20220115

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BC-760 & BC-780
Auto Hematology Analyzer with ESR

Above and Beyond

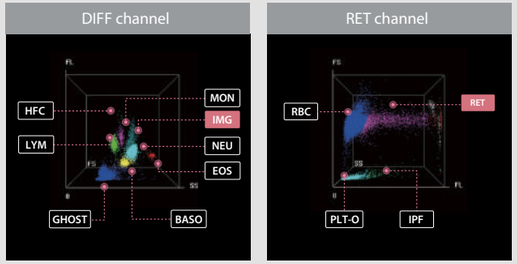
DESIGN AWARD 2021

Above your expectations

SF Cube fluorescent technology allows reliable counting and differentiation of abnormal samples

More refined and reliable cell differentiation

3D fluorescent analysis technology allows reliable differentiation of immature and other abnormal cells, such as immature granulocytes (IMGs), reticulocytes (RETs*), and immature platelet fraction (IPF).

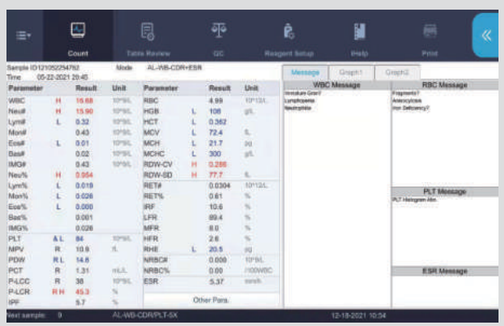


More reliable measurements for low-value samples

The BC-760 & BC-780 3D fluorescence analysis platform is designed with multiple counting WBC-3x and PLT-O 5x analysis modes to help ensure higher reliability for low-value WBC and PLT samples. In addition, the PLT de-aggregation function can reduce the cumbersome review work.

More comprehensive alarm messages for abnormalities

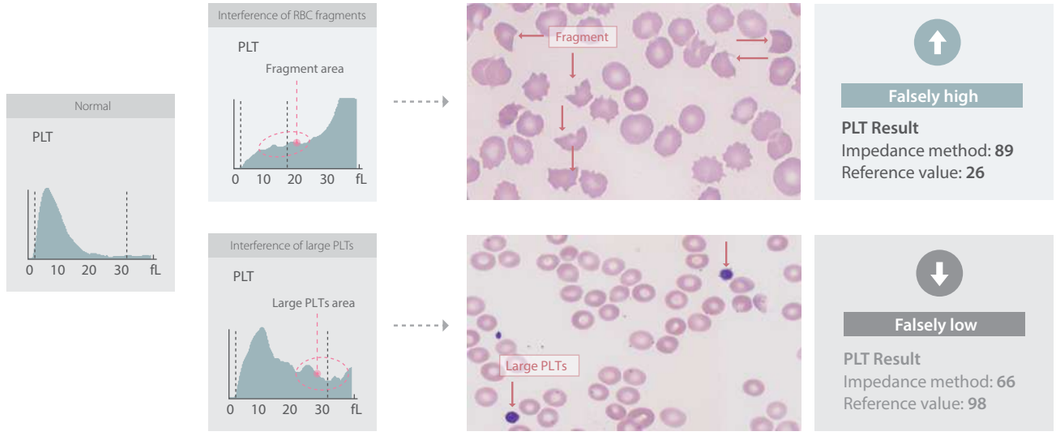
The analyzer provides a detailed list of over 40 prompt messages, including WBC message, RBC message, and PLT message. This allows laboratory technicians to intuitively and quickly identify abnormal samples and proceed further with the samples in a timely manner. This in turn helps to avoid missed diagnosis of blood disease and false reports.



Beyond your expectations

Limitations of traditional PLT counting

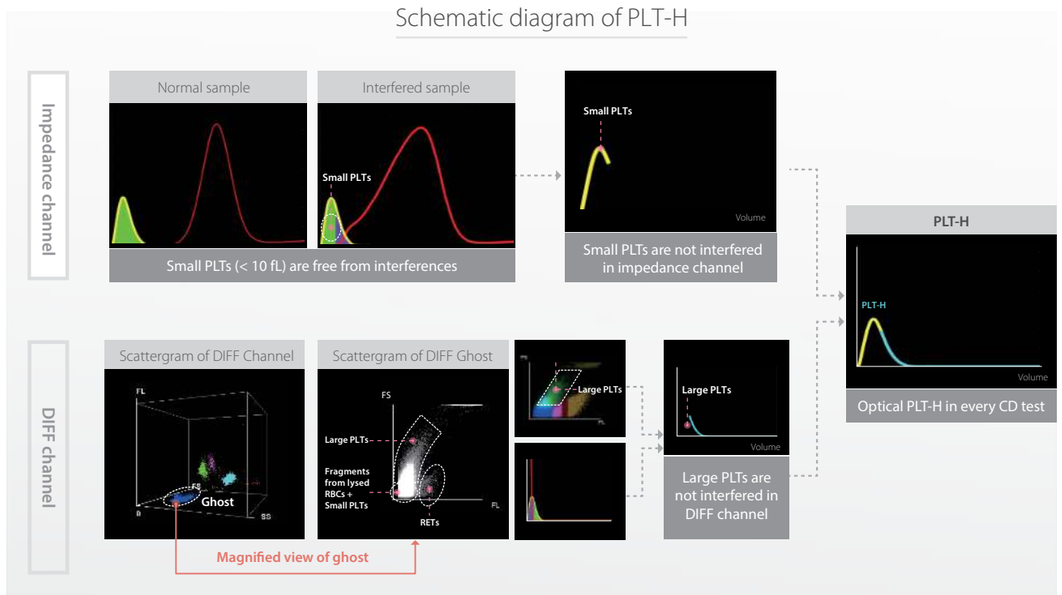
In the traditional impedance method, PLTs are subject to interferences that may lead to falsely high or falsely low results (as shown in the figure). Once an error report is generated, it will directly affect the judgment and decision-making of clinicians. The results reported at the clinical decision level are related to patient safety. Therefore, accurate PLT results are critical in clinical practice.



Optical PLT-H in every CD test

In order to solve the above problem, we have developed a brand new parameter PLT-H.
It combines small PLTs from the conventional impedance method and large PLTs from the optical method. The solution can resist the interferences in conventional PLT detection without requiring extra reagents.

Schematic diagram of PLT-H



CD + ESR in one test provide reliable ESR results with greater ease

The BC-700 series integrates an automatic ESR module in a hematology analyzer. It can also generate both CBC & ESR results in one test within 1.5 min. In addition, it saves the costs that would otherwise be incurred for the purchase, maintenance, consumables, and storage space of a separate ESR analyzer. Compared with the traditional Westergren method, this method performs better in quality traceability, repeatability, speed, safety, and level of automation.

Accurate

- Great correlation with the Westergren method
- Same QC and calibrator as in the BC-6000 series
- Combined examination helps to avoid the interferences of dehydration, polycythemia vera and anemia on ESR results

Cost-effective

- The integrated instrument is capable of both CBC and ESR detection;
- Takes up the space of only one analyzer.

Automatic

- Report CBC + ESR results together within 1.5 min;
- The measurement results are protected against the influence of subjective factors;
- Automation can reduce the biosafety hazards that may otherwise be introduced by a manual method.

RFID

Encryption key management

labXpert

Coming as standard configuration
Same software as BC-6 series

Floating screen

Switching between different analysis modes with a single touch

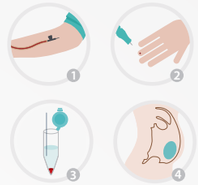
Excellent performance, high reliability, and ease of use

Continuous autoloading

5 positions x 6 racks

Cap piercing STAT

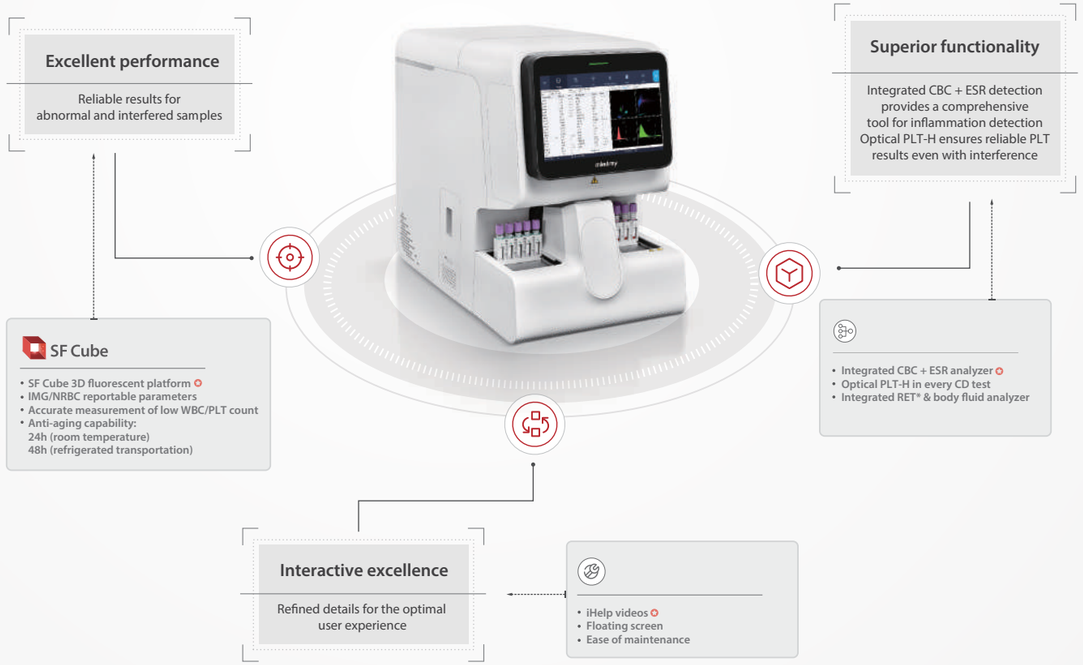
Supports STAT samples and capillary blood samples; minimizes bio-safety hazards



Applicable to different sample types

Peripheral blood/Capillary blood Pre-diluted blood/Body fluid

An all-in-one solution that goes above and beyond your expectations



Principles
SF Cube* method to count WBC, 6-Part diff and NRBC
DC impedance method for RBC and PLT
Cyanide free reagent for hemoglobin test
*S: Scatter; F: Fluorescence; Cube: 3D analysis

Parameters
29 Reportable parameters (whole blood): WBC, Lym%, Mon%, Neu%, Bas%, Eos%, IMG%, Lym#, Mon#, Neu#, Eos#, Bas#, IMG#; RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, NRBC#, NRBC%; PLT, MPV, PDW, PCT, P-LCR, P-LCC
20 Research parameters (whole blood): HFC#, HFC%, WBC-D, TNC-D, IME%, IME#, H-NR%, L-NR%, NLR, PLR, WBC-N, TNC-N, InR#, InR‰, Micro#, Micro%, Macro#, Macro%, PDW-SD, PLT-I
7 Reportable parameters (body fluid): WBC-BF, TC-BF#, MN#, MN%, PMN#, PMN%, RBC-BF
11 Research parameters (body fluid): Eos-BF#, Eos-BF%, Neu-BF#, Neu-BF%, HF-BF#, HF-BF%, RBC-BF, LY-BF#, LY-BF%, MO-BF#, MO-BF%

2 Histograms for RBC and PLT
2 Three-dimension scatter grams: DIFF, WNB
2 Two-dimension scatter grams: DIFF, WNB

Mode
CBC, CBC+DIFF

Data storage capacity
Up to 10,0000 results including numeric and graphical information

Operating environment
Temperature: 15℃~32℃
Humidity: 30%~85%

Performance

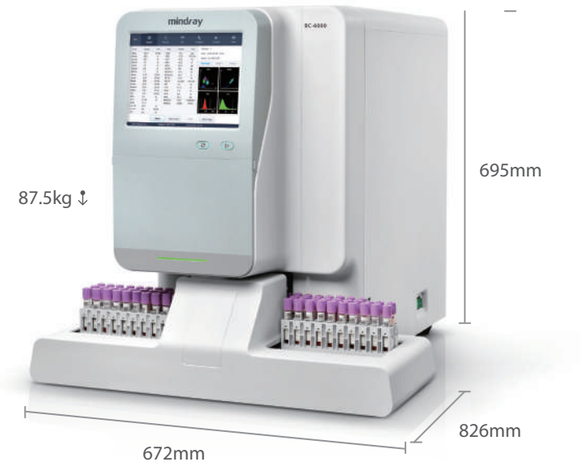
Parameter	Linearity Range	Precision	Carryover
WBC	0-500×10⁹/L	≤2.5% (≥4×10⁹/L)	≤1.0%
RBC	0-8.60×10¹²/L	≤1.5% (≥3.5×10¹²/L)	≤1.0%
HGB	0-260g/L	≤1.0% (110-180g/L)	≤1.0%
HCT	0-75%	≤1.5% (30%-50%)	≤1.0%
PLT	0-5000×10⁹/L	≤4.0% (≥100×10⁹/L)	≤1.0%

Sample volume

Whole blood (Autoloader, Closed Tube)	80uL
Capillary blood (Closed Tube)	35uL
Predilute (Closed Tube)	20uL
Body fluid (Closed Tube)	85uL

Throughput
Up to 110 samples per hour (CBC+DIFF)
Up to 40 samples per hour (Body fluid)

Loading capacity
Up to 50 sample tubes



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P/N:ENG-BC-6000-210285X10P-20190409

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BC-6000
Auto Hematology Analyzer

High Performance for ALL

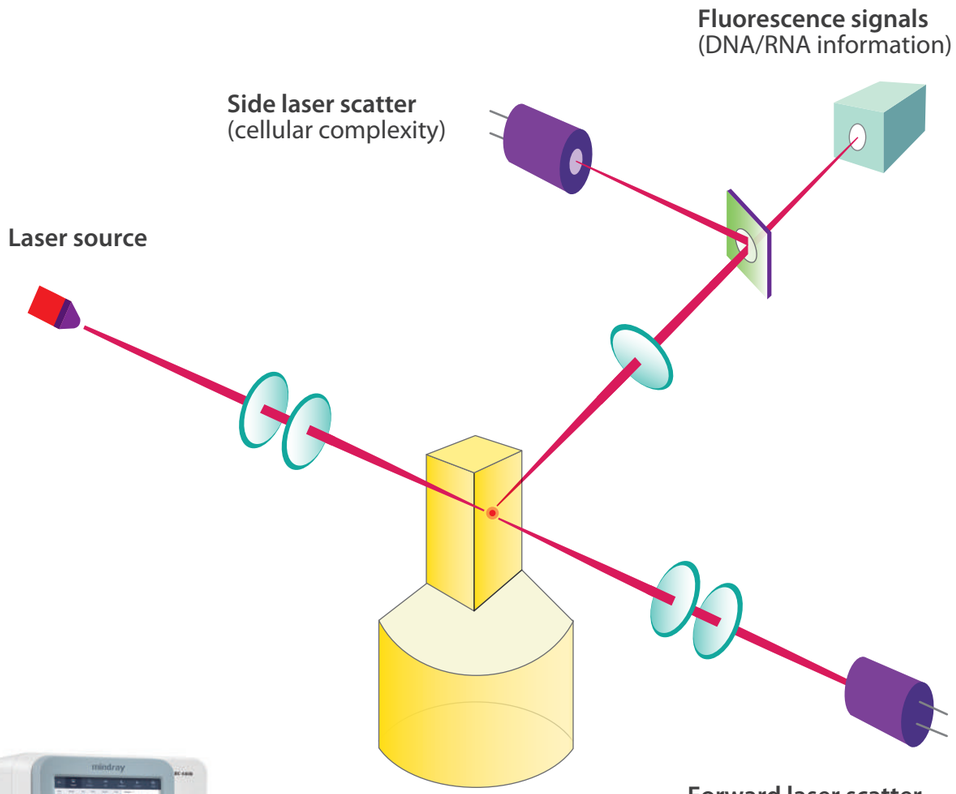
Value Operation Cost

At Mindray, we seek to understand the needs of every customer, and deliver tailor-made solutions. Before designing any product, we listen to the Voice Of Customers and bear in mind the challenges they face. In today's laboratories, lab managers are looking for an analyzer with greater clinical values, such as higher flagging efficiency to reduce the ratio of microscopic examination, NRBC/body fluid results generated in a small-footprint system, among others, all within limited budget.

Mindray BC-6000 fulfills all these requirements and exceeds your expectations with so much more in terms of **Value**, **Operation** and **Cost.**

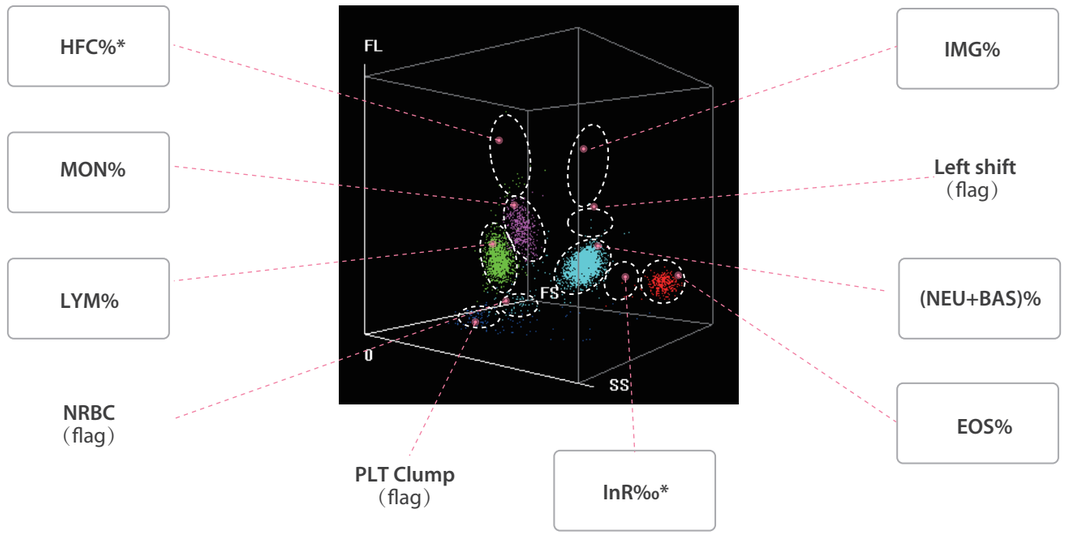
SF Cube
Cell Analysis Technology

Value



With the newly designed optics and reagent systems, the SF Cube technology can help doctors to better differentiate the clusters of cells, which is the key to revealing more abnormal cells.

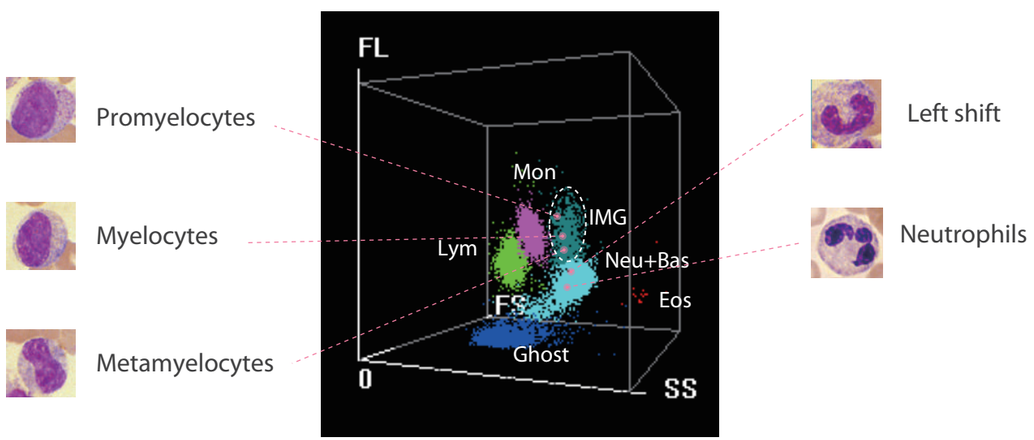
DIFF Channel



In DIFF scattergram, BC-6000 not only gives WBC 6-part differential results (with immature granulocyte), but also brings research parameters such as HFC (Blast & Atypical Lymphocyte), InR (information about malaria) and flags for Band, NRBC, PLT clump and Atypical Lymphocyte.

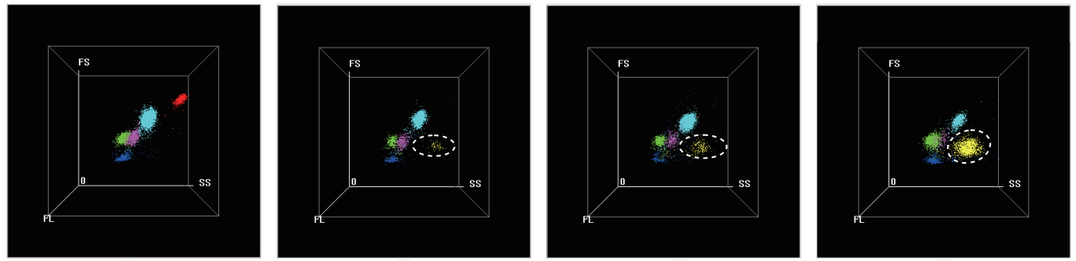
HFC*(#, %) parameters represent high population of fluorescent cell, such as Blasts and Atypical Lymphocytes.

IMG(#, %) parameters provide information about immature granulocytes, including Promyelocytes, Myelocytes, Metamyelocytes, Immature Eosinophils and Immature Basophils.



*For research use only

Malaria screening



Normal sample

Few
1-4 infected RBC
per 4 microscopy view

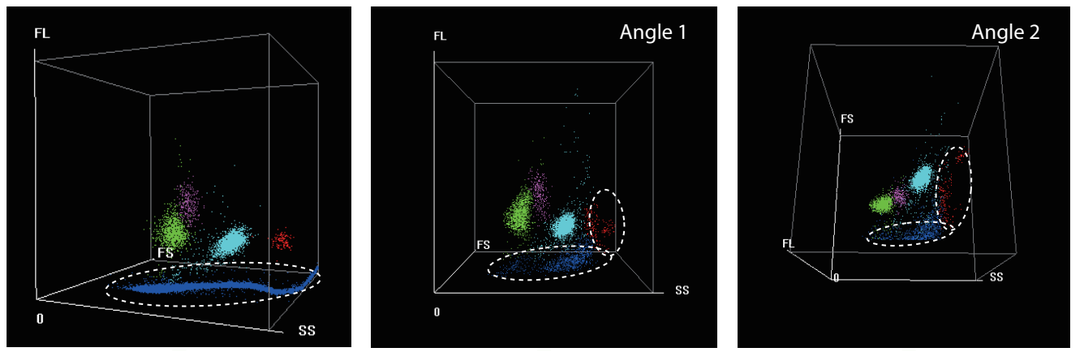
Some
2-3 infected RBC
per microscopy view

Many
>4 infected RBC
per microscopy view

Note: The yellow scatters are just for highlight.

BC-6000 provides a dedicated flag called “infected RBC?”, and “InR*(#,‰)”parameters to represent the number and ratio of the infected red blood cells in the sample respectively. BC-6000 users can obtain information about the possible presence of plasmodium parasite, the causative agent of malaria infection.
With the rising number of red blood cells with malaria parasites, the number of dots in the “InR” area increases proportionately. This creates the possibility to not only screen but also judge the severity of malaria infection.

Interference prevention



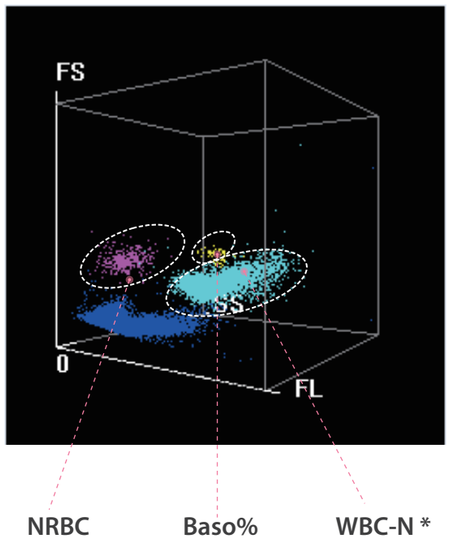
Lipid particle has **no fluorescence**

The PLT clump seems **mixed up** with Neutrophil and Eosinophil

The PLT clump is well separated from Neutrophil and Eosinophil

In DIFF scattergram, WBCs are dyed, but not lipid particles, by fluorescence, which prevents interference and ensures more accurate WBC results.
With information obtained through the 3D analysis, PLT clumps are well separated from each cluster of WBCs.

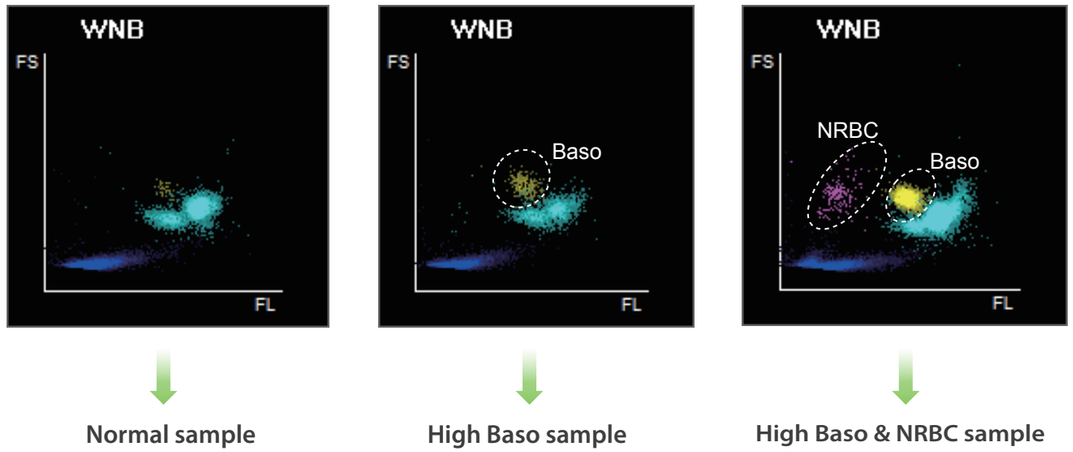
WNB Channel



In WNB scattergram, BC-6000 provides NRBC, Basophils and WBC-N* results. It means that the actual number of NRBCs can be measured in routine CBC, if they are present in the sample.
Basophils are counted in this counting channel with NRBC results.

Basophil and NRBC results are generated on BC-6000 without extra reagent or cost.

*For research use only



BC-6000 provides accurate results on samples even with high level of Basophils and NRBCs.

NRBC results in every CBC

Automatic correction WBC counting, make sure neonatal counting correctly

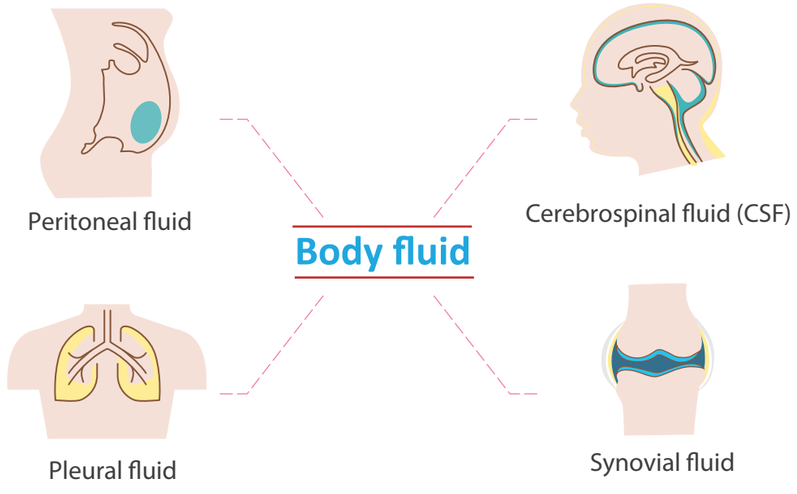
Diagnosis for hemolytic anemia

Monitoring of hematopoietic diseases

Reduce the ratio of review

NRBCs do not usually exist in the peripheral blood except that of newborn children. Detection of NRBCs is essential in diagnosing and monitoring the hematopoietic diseases.

Body fluid



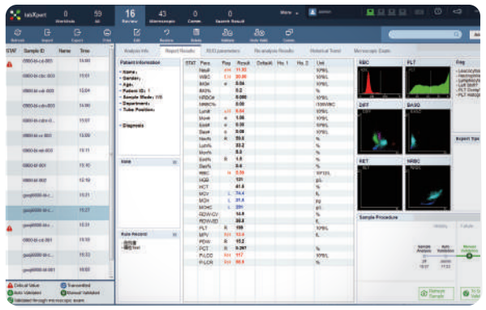
Besides blood specimen, BC-6000 also has body fluid test function without requiring dedicated reagent. The various types of body fluids include Peritoneal fluid, Pleural fluid, Cerebrospinal fluid (CSF) and Synovial fluid.

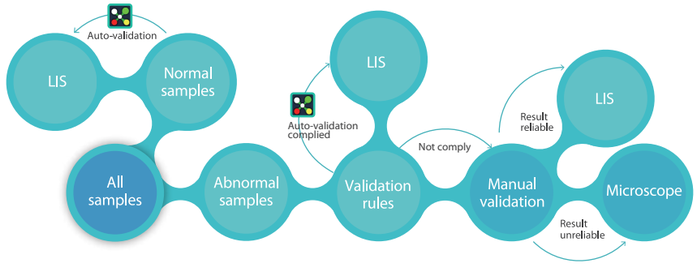
Applicable to variety of tubes

To cater to customer's diversified needs, different types of blood collection tubes can be used on BC-6000 , including regular whole blood vacuum tube, capillary blood microtainer tube and Sarstedt tube.

More Intuitive labXpert software

LabXpert is a standard configuration of BC-6000 for professional data analysis.
The labXpert software optimizes functions to simplify your workflow for data analysis including improving re-exam efficiency, auto-validation for normal samples; it also provides more intuitive interface for you to review and validate pathological samples.





Operation

Capillary blood microtainer tube

Whole blood vacuum tube

Sarstedt tube

labXpert

Cost

Less testing time

BC-6000 can load up to 50 samples at a time and offers a throughput of up to 110 tests per hour.

Low sample volume

BC-6000 requires less sample volume as well as reagent consumption.
For a CBC+DIFF test with NRBC result, BC-6000 only requires 80µL of whole blood and 35 µL of capillary blood.

Easy maintenance

The only maintenance for end user is daily shut down by probe cleanser or probe cleanser cleaning once per day (if not shut down). The "auto-protect" program reminds operators when maintenance is needed (if not shut down).

Automatic Rerun & Reflex

Should the sample results trigger the criteria, the autoloader of BC-6000 can return the sample racks for an automatic rerun or reflex check.

BS-240Pro
Chemistry Analyzer

Technical Specifications

System function

Automatic, Discrete, Random Access, Bench-top
STAT sample priority

Throughput:	Constant 240 photometric tests per hour, up to 400 T/H with ISE
Measuring principles:	Absorbance photometry, turbidimetry, ion selective electrode technology
Methodology:	End-point, Fixed-time, Kinetic, optional ISE, Single/Double reagent chemistries, Mono-chromatic / bi-chromatic

Original system pack reagent ready to use
Close system and open system is optional

Reagent/Sample Handling

Reagent/Sample tray:	50 to 100 positions for reagents and 50 to 100 positions for samples in 24-hour refrigerated compartment (2~12°C)
Reagent volume:	R1: 100~200μL, step by 0.5μL R2: 10~200μL, step by 0.5μL
Sample volumne:	2~35μL, step by 0.1μL
Reagent/Sample probe:	Liquid level detection, horizontal and vertical collision protection, inventory checking, reagent pre-warming, optional clog detection
Probe cleaning:	Automatic washing for interior and exterior Carry over < 0.05%
Automatic sample dilution:	Pre-dilution and post-dilution
Mixing Unit:	Independent mixing bar

Built-in Bar Code Reader (Optional)

Used for sample and reagent programming
Be applicable to various bar code systems of Codabar, ITF (Interleaved Two of Five), code128, code39, UPC/EAN, Code93
Capable to communicate with LIS in bi-directional mode

Reaction System

Reaction tray:	80 reusable cuvettes
Reaction volume:	100~360μL
Reaction temperature:	37°C ± 0.1°C
Cuvette Washing:	Washing station with pre-warmed detergent and de-ionized water

ISE Module (optional)

Measuring K+, Na+, Cl-

Optical System

Light Source:	Halogen-tungsten lamp
Wavelength:	12 wavelengths, 340nm, 380nm, 412nm, 450nm, 505nm, 546nm, 570nm, 605nm, 660nm, 700nm, 740nm, 800nm
Absorption range:	0~3.5Abs, resolution 0.0001Abs
Stray Light:	4.9Abs

Control and Calibration

Calibration modes:	K factor, Linear (two points and multi-points), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial, Parabola, Logit-Log3P, Broken line One key calibrator import function
Control Rules:	Westgard multi-rule, Levey-Jennings, Cumulative sum check, Twin plot

Operation Unit

Operation system:	Windows 10
Interface:	RS-232

Working Conditions

Power Supply:	200~240V, 50/60Hz, ≤1300VA or 100~130V, 60Hz, ≤1300VA
Dimension:	860 mm (length) × 660 mm (depth) × 550 mm (height)
Weight:	115 kg
Water Consumption:	≤6.5 L/H

Mindray Building, Keji 12th Road South,
High-tech Industrial Park, Nanshan, Shenzhen 518057, P.R. China
Tel: +86 755 8188 8998 Fax: +86 755 26582680
E-mail: intl-market@mindray.com www.mindray.com

P/N:ENG-BS-240Pro-21028SX8P-20170703

mindray

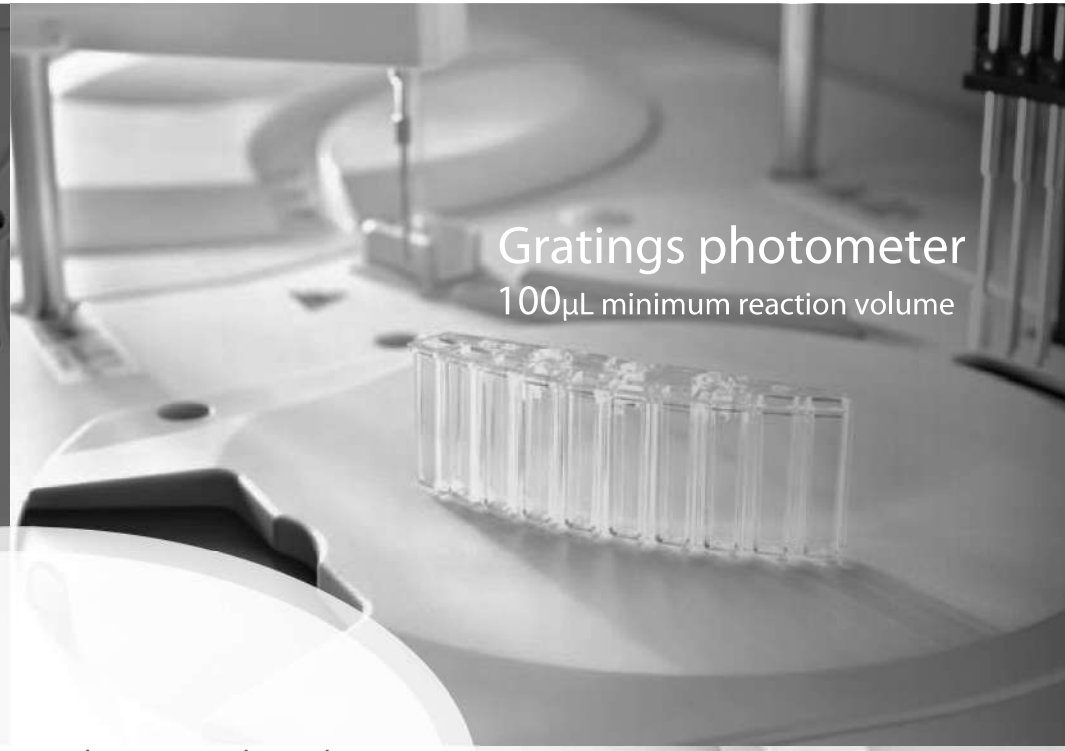
BS-240Pro
Chemistry Analyzer

Compact yet Robust

mindray
healthcare within reach

Large and flexible capacity

Up to 100 sample positions
Up to 100 reagent positions
(50 fixed + 50 interchangeable)



Gratings photometer

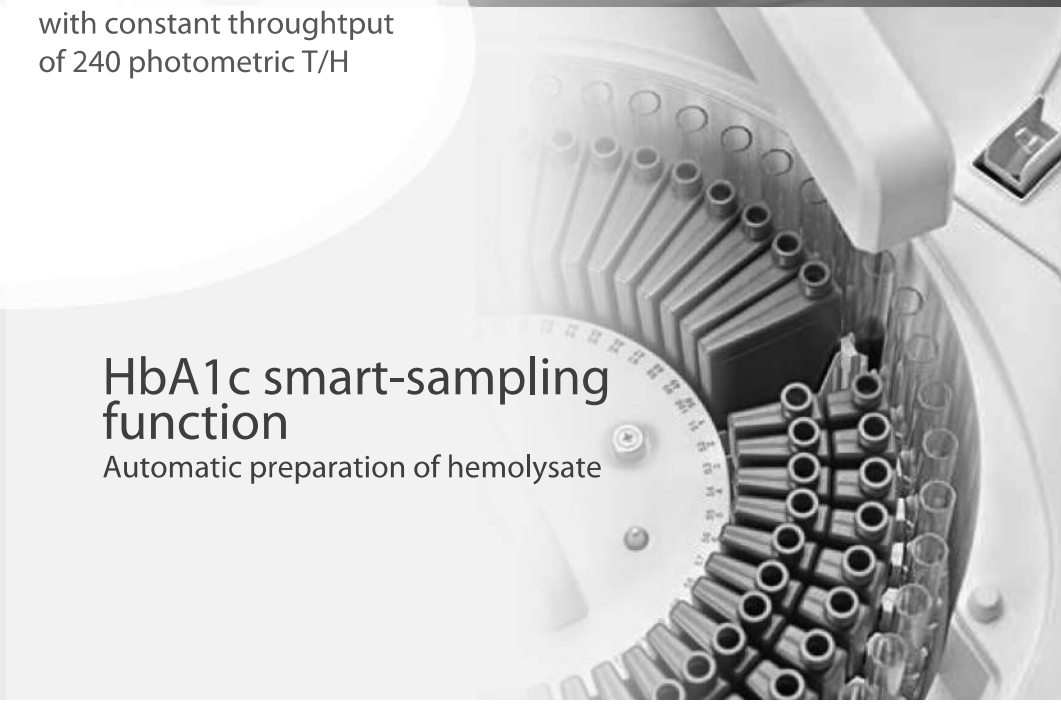
100µL minimum reaction volume

A Whole New Generation

with constant throughtput of 240 photometric T/H

Considerate design

More space to load samples



HbA1c smart-sampling function

Automatic preparation of hemolysate

BS-240Pro

Chemistry Analyzer

Independent mixing bar

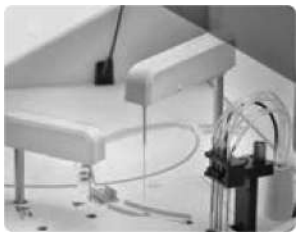
Optimized washing station

Waterfall probe cleaning

Built-in barcode reader

Intelligent probe with optional clog detection

Optional ISE module easy to access



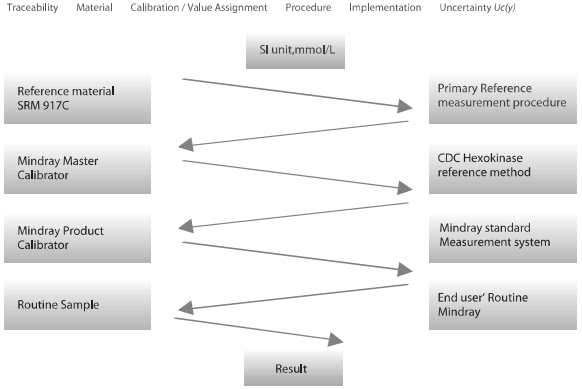
Constant throughput

Intuitive software with more functionalities

Complete traceability process

Complete calibration hierarchy and traceability chain are based on ISO standard (EN/ISO17511) from reference system to routine measurement system.

Traceability chain of Mindray measurement system (Glu)

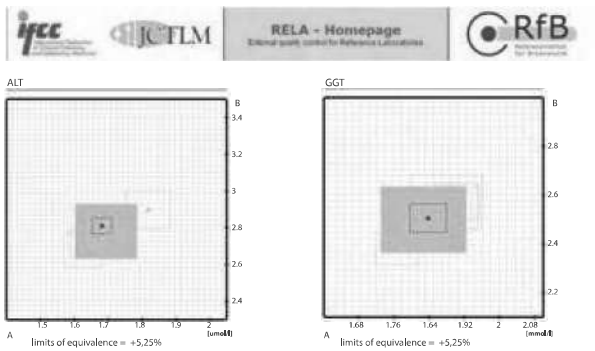


External quality assurance for reference measurement

Mindray participates in RELA (External quality control for reference laboratory).

EQA for Mindray Reference laboratory——RELA

Mindray reference laboratory has passed RELA for 6 consecutive years.



More RELA results please refer to: www.dgkl-rfb.de/81

Reagent menu

Hepatic Panel

- Alanine Aminotransferase (ALT)
- Aspartate Aminotransferase (AST)
- Alkaline Phosphatase (ALP)
- γ-GlutamylTransferase (γ-GT)
- Direct Bilirubin (D-Bil) DSA Method
- Direct Bilirubin (D-Bil)VOX Method
- Total Bilirubin (T-Bil) DSA Method
- Total Bilirubin (T-Bil)VOX Method
- Total Protein (TP)
- Albumin (ALB)
- Total Bile Acids (TBA)
- Prealbumin (PA)
- Cholinesterase (CHE)
- α-L-fucosidase (AFU)
- 5'-nucleotidase (5'-NT)

Renal Panel

- Urea (UREA)
- Creatinine (CREA)Modified Jaffé Method
- Creatinine (CREA)Sarcosine Oxidase Method
- Uric Acid (UA)
- Carbon dioxide (CO2)
- Microalbumin(MALB)
- β2-Microglobulin (β2-MG)
- Cystatin C (CysC)
- Retinol binding protein(RBP)

Immune Panel

- Immunoglobulin A (IgA)
- Immunoglobulin G (IgG)
- Immunoglobulin M (IgM)
- Complement C3 (C3)
- Complement C4 (C4)

Diabetes Panel

- Glucose (Glu) GOD-POD Method
- Glucose (Glu) HK Method
- Hemoglobin A1c (HbA1c)
- Fructosamine (FUN)
- β-Hydroxybutyrate(β-HB)

Cardiac panel

- Creatine Kinase (CK)
- Creatine Kinase-MB (CK-MB)
- Lactate Dehydrogenase (LDH)
- α-Hydroxybutyrate Dehydrogenase(α-HBDH)
- High sensitive C-reaction protein(HS-CRP)

Inorganic & Anemia

- Iron (Fe)
- Ferritin (FER)
- Transferrin (TRF)
- Calcium (Ca)
- Magnesium (Mg)
- Phosphate Inorganic (P)
- Unsaturated iron binding capacity (UIBC)
- Glucose-6-phosphate dehydrogenase (G6PD)

Lipid Panel

- Total Cholesterol (TC)
- Triglycerides (TG)
- HDL-Cholesterol (HDL-C)
- LDL-Cholesterol (LDL-C)
- Apolipoprotein A1 (ApoA1)
- Apolipoprotein B (ApoB)
- Lipoprotein(a) [Lp(a)]

Rheumatism Panel

- C-reactive protein (CRP)
- Rheumatoid Factor (RF)
- Antibodies Against Streptolysin O (ASO)

Lung Panel

- Adenosine Deaminase (ADA)
- Angiotensin Converting Enzyme(ACE)

Pancreatitis Panel

- α-Amylase (α-AMY)
- Lipase (LIP)

TECHNICAL SPECIFICATIONS

Principle	Ion selective Electrode (ISE)
Sample Types	Serum, Plasma, Whole Blood, Urine, CSF
Parameters	Na^+, K^+ , Cl^-, Ca^{++} & Li^+
Sample volume	≤ 90µL
Analysis Time	≤ 60 secs
Throughput	≤ 60 samples per hour
Calibration	Automatic Calibration : • Two Point Calibration after 4 hrs or just before Sample analysis • One Point Calibration with each sample analysis
Normal Ranges	User defined normal ranges for all sample types with flagging for abnormal samples
Data Management	Calibration History, Sample History and control history of last 30 days
Quality Control	Tri-Level Quality Control, with L J Plots of last 30 days
Display	5" color LCD with Touchscreen Display, Resolution: 480 x 272 pixels
Printer	Built-in 2" (48 mm) thermal Printer, 42 characters wide
External Interface	USB (Keyboard, Mouse)
Operating Temp.	15 to 35°C
Relative Humidity	5 to 85% non-condensing
Power Supply	100 to 240VAC 50/60 Hz
Dimensions	395mm x 260mm x 375mm
Weight | Sample Storage	7.5 Kg | 100,000

* Optional Barcode reader available.

ISE - Tritrol

- Ready to use assayed control
- 3 different levels of concentrations - Low, Normal & High
- 1 year closed vial stability

Pack size Available : 13mL

- Aqueous control - Low, Normal & High (Each of 3mL)
- Urine control - Normal & High (Each of 1mL)
- IFS (1 X 2mL)

CE

ERMA INC.
Yushima 2-31-6,
Bunkyo-ku,
Tokyo, Japan

Tel. : 81-3-3818-6281
Fax. : 81-3-3818-6934
Email : international@erma.co.jp
Web : www.erma.jp

*Specifications are subject to change without notice.

MKT-BRO-04-0

Erma TOKYO SINCE 1908

ACCURATE | RELIABLE | FRIENDLY INTERFACE

EL - 120

ELECTROLYTE ANALYZER

- Na^+, K^+ , Cl^-, Ca^{++}, Li^+
- Low Sample Volume
- Fast Sample Processing
- Low Cost per Test

www.erma.jp

Erma EL - 120 is ideal for medium to high volume Laboratories and Hospitals. It is user friendly & reliable. It also allows measurement of specific ions; accurately and precisely. This supports fast diagnosis.

MAIN MENU

- Large Graphical Display affords convenience of operation and minimizes errors while entering data
- User friendly software with interactive Graphical user interface
- Shortcut Menu Keys for Easy Operation

ANALYSIS

- Aspiration system: Internal peristaltic Stepper Motor Pump for accurate and precise aspiration of analytes
- Automatic flushing after aspiration of every sample to eliminate carryover
- Precise & accurate result

ELECTRODES

- Electrodes are based on Ion Selective principle
- Electrodes can be refilled.
- Long life and assured stability

CALIBRATION

- Two Point Calibration after 4 hrs/ 8 hrs or 12 hrs. Programmable as per user
- One Point Calibration with each Sample Analysis
- Displays status of calibration with date and time for each parameter
- Also displays the date and time of next calibration to be performed / due

Measuring Range

PARAMETER	SERUM /PLASMA BLOOD / AQUEOUS
Na^+	40 - 205
K^+	1.5 - 15
Cl^-	50 - 200
Ca^{++}	0.2 - 5.0
Li^+	0.1- 6.0

RUN QUALITY CONTROL

- Levy Jennings plot of daily and monthly QC data to assess the performance
- Helpful for laboratories incase of accreditation and quality assessment

```
Control Result
Date          : 2018-11-30 15:04:08
Lot No        : 5
Control       : LEVEL 2
Sample Type   : Aqueous

Param     mmol/L     Target
-----   ---------   ------

Na+       141.3     140 (4.0)
K+         4.33     4.25 (0.3)
Cl-       104.7     105 (4.0)
Ca++       1.31     1.25 (0.2)
```

ISEPak

- Convenient easy to place ISEPak which contains reagents required for all parameters
- Integrated reagent Pack for testing of all parameters
- In-Built reagent inventory management software

Snibe Diagnostic

MAGLUMI 800

Chemiluminescence Immunoassay (CLIA) System

www.snibe.com

OUTSTANDING TECHNOLOGY POWER OF MAGLUMI

Chemiluminescence Immunoassay (CLIA) System

CLIA uses two important technologies, one is labeling technology which determines reaction mode; and the other is separation technology which determines the sensitivity, accuracy and precision of the reagents.

Labeling Technology

Two types of labeling technologies are commonly used. One is enzyme label and the other is non-enzyme samll molecule label. Enzyme label reagents are not so stable and are easily effected by the change of storage conditions. Maglumi system applies ABEI labels. ABEI is a non-enzyme samll molecule with special molecular formula to enhance stability in acid and alkaline solution. As fast chemiluminescence, ABEI chemical reaction with sodium hydroxide (NaOH) and Hyperoxide (H_2O_2) finishes the process in 3 seconds.

Separation Technology

Maglumi uses Magnetic Microbeads. As separation technology, it has been widely used in the field of CLIA. Compared with traditional separation technology, it has the following advantages:

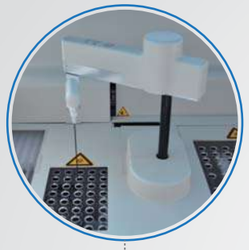
- Shortening the reaction time by enlarging the reaction
- area of antigens and antibodies.
- Enhancing the sensitivity by better and faster capture of antigens and antibodies.
- Reducing inter or intra-assay discrepancies significantly by mixing the reagents thoroughly in a liquid separation platform.
- Enhancing the accuracy by absorbing antigens and antibodies through chemical reaction.

ADVANTAGE OF MAGLUMI 800

- For small and middle size labs or hospitals
- Simple, Smart, Humanization designed model
- More than enough test menu to meet the different needs and it is enlarging according to your requirement
- Free Quality Control and calibrator helps to reduce the Cost Per Test
- Quality guarantee by the Third party quality control and External Quality Assessment (EQA)
- Key technology ABEI and Nano magnetic microbead enhances stability and sensitivity of MAGLUMI reagents

MAGLUMI 800

- Integrated design and humanized appearance
- Simple and smart operation
- Compact size and weight



Pipettor

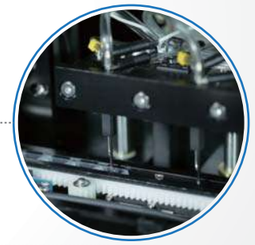
- Aspirate reagent/sample with high speed
- Titanium needle for crushproof
- Clot detection & liquid level detection
- Coated with TEFLON to prevent carry-over
- Inner & external washing

Chamber

- High-sensitivity and low-noise PMT
- Cuvettes detection and anti-overflow

Automated cuvette loader

- Up to 40 modules of 240 tests
- Continuous loading

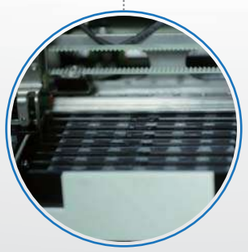


Washer

- Strong magnetic field helps better separation
- Three pairs of washing needles with anti-overflow function

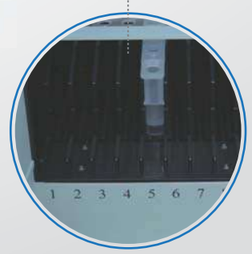
Sample area

- Up to 40 sample on board with barcode
- Continuous loading & cooling function



Incubator

- Incubate 13 slots (78 tests at the same time)
- The temperature is 36.8℃±0.5℃



Reagent area

- Up to 9 reagents on board with RFID
- RFID label storing reagent information
- Easy and fast for adding and updating
- RFID tag, high reliability

OPERATION SOFTWARE

Comprehensive software

- User-friendly Interface
- Real-time status monitoring for each test
- Monitoring reagent and consumable status
- Intelligent alarm function

Maintenance Guide

- Daily, weekly and monthly maintenance guide for analytical unit
- Ensure performance reliability and reduce unnecessary service calls

Quality control

- Westgard rules and Levey-Jennings chart for both internal and external quality control

Test Summary Function

- Test summary including system test, calibration, QC, statistics of samples, valid tests and rerun tests
- Search and review test information conveniently

Pre or post defined dilution Function

- Pre or post defined dilution flexibly if high concentration is met

Connect to LIS (bidirection)

- Bidirection, Lis can connect by online and ASTM

TEST MENU

Tumor Markers

Ferritin
AFP
CEA
Total PSA
f-PSA
CA 125
CA 15-3
CA 19-9
PAP
CA 50
CYFRA 21-1
CA 242
CA 72-4
NSE
S-100
SCCA
TPA-snibe
Pepsinogen I
Pepsinogen II
Gastrin-17
H.pylori IgG

Bone Metabolism

Intact PTH
Calcitonin
Osteocalcin
25-OH Vitamin D

Glyco Metabolism

C-Peptide
Insulin
ICA
IAA
Proinsulin
GAD 65
IA-2

Fertility

FSH
LH
HCG/β–HCG
PRL
Estradiol
free Estriol
Progesterone
Testosterone
free Testosterone
DHEA-S
*AMH
17-OH Progesterone

Thyroid

TSH
T4
T3
FT4
FT3
TG
TGA
TRAb
TMA
Anti-TPO
Rev T3

Prenatal Screening

cAFP
free β–HCG
PAPP-A

Inflammation Monitoring

CRP
PCT

Kidney Function

β2-MG
Albumin

Hepatic Fibrosis

HA
PIIIP N-P
C IV
Laminin
Cholyglycine

TORCH

Toxo IgG
Toxo IgM
Rubella IgG
Rubella IgM
CMV IgG
CMV IgM
HSV-1/2 IgG
HSV-2 IgG
HSV-1/2 IgM

EBV

EBV EA IgG
EBV EA IgA
EBV VCA IgG
EBV VCA IgM
EBV VCA IgA
EBV NA IgG

Immunoglobulin

IgM
IgA
IgE
IgG

Anemia

Vitamin B12
Ferritin
FA

Drug Monitoring

Cyclosporine A
Tacrolimus, FK 506
Digoxin

Cardiac

CK-MB
Troponin I
Myoglobin
NT-proBNP
Aldosterone
Angiotensin I
Angiotensin II
D-Dimer
*Direct Renin
LP-PLA2
hs-cTnI

Infectious Disease

HBsAg
Anti-HBs
HBeAg
Anti-HBe
Anti-HBc
Anti-HCV
Syphilis
Chagas
HTLV I/II
Anti-HAV
HAV IgM
HIV A b
HIV p24 Ag
HIV Ab/Ag combi

Others

GH
IGF-I
Cortisol
ACTH

*In Red Available Soon

MAGLUMI 800

Chemiluminescence Immunoassay (CLIA) System

Technical Specifications

Reagent Feature	● Flash chemiluminescence label-ABEI,with high sensitivity and long stability ● Nano magnetic microbeads separation,fast and efficient
Main Features	● Throughput: up to 180 tests/hour ● 24 hours ready to use ● Time to first result: 17 minutes
Modes of Operation	● Random,Batch and STAT
Sample Loading	● Up to 40 sample tubes ● Continuous loading,STAT available ● Barcode reader recognition or analyzer auto numbered ● LIS connection,auto read sample info ● Refrigerated sample area with independent power supply
Reagent Loading	● 9 reagents on board ● Continuous loading ● RFID reading all info of reagent ● Refrigerated reagent area
Reagent Integral	● Ready-to-use, no pretreatment required ● Including calibrators ● RFID tag storing all info of reagent ● RFID tag with built-in master curve ● 2-point calibration to adjust master curve ● Calibration stability: Max 4 weeks
Other Features	● Clot detection ● Liquid level detection ● Auto and optional ratio for high sample dilution ● Constant 37°C incubation
Operation System	● Windows 7 ● DELL compatible （Dual-core CPU） ● Color touch screen
Interconnection	● Bi-communication with LIS via ASTM protocol
Dimensions Weight	● Input:AC 110-230V,50/60 Hz,Max 630W ● Dimension and Weight:102*72*56cm 73kg

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DISTRIBUTOR:

M1008E160317

MAGLUMI® X3

Fully-auto Chemiluminescence Immunoassay (CLIA) System

Save Your Space without Compromise

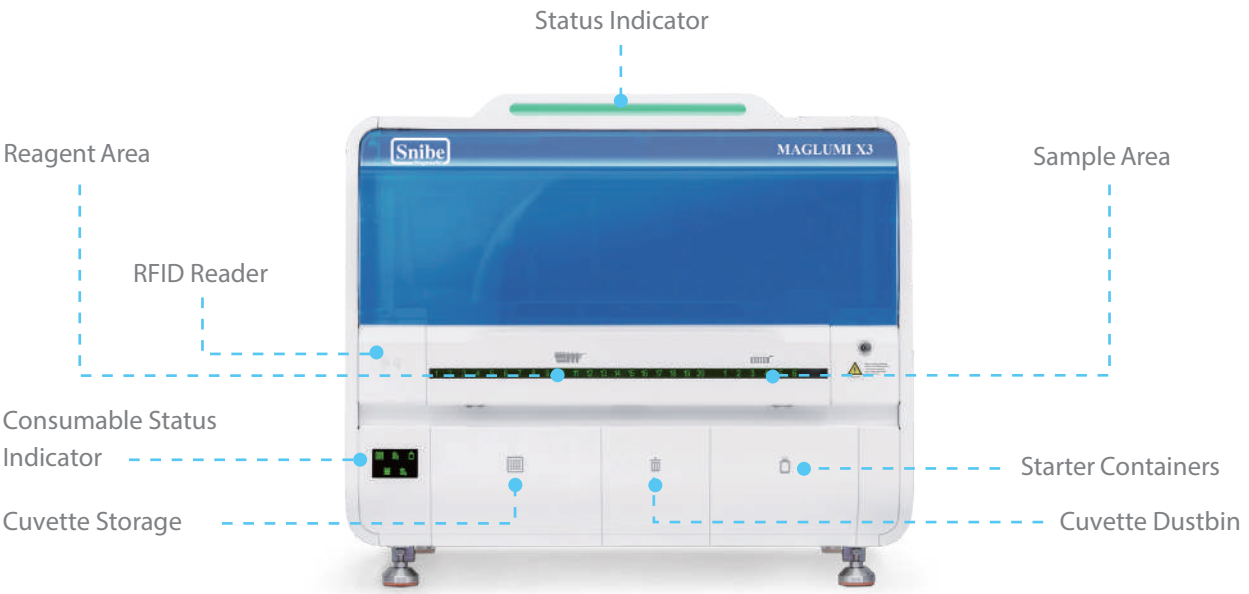
Powerful Performance and Compact Design
Compatible with Small and Medium-sized Hospitals and Labs

MAGLUMI® X3

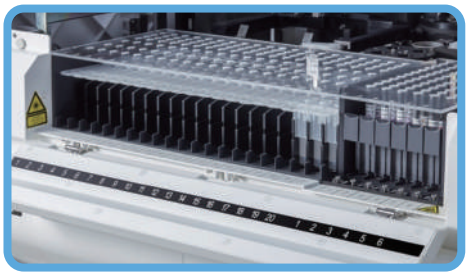
Features & Benefits

- Small but powerful, the throughput is up to 200 tests/hour, and throughput per unit area is 294 T/h/m^2.
- Compatible with all **MAGLUMI®** reagents, one of the broadest automated CLIA test menus in the world (166 parameters).
- The latest intelligent washing technology and bidirectional temperature control measurement guarantee accurate and reliable results. The comprehensive advanced design of **MAGLUMI®** X3 ensures excellent performance.
- Single reaction cup can avoid light pollution and increase cuvette utilization, its integrated packaging can avoid the stuck of the cuvette and destroying the cuvette wall.
- No-pause loading/unloading of reagents/samples without waiting or interrupting tests.

Functional Modules

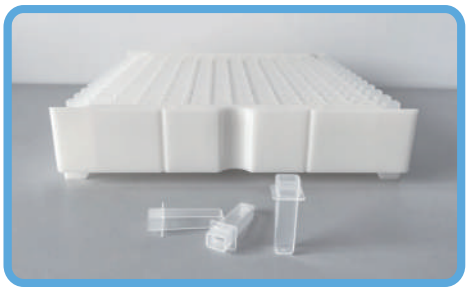


All Balanced and Strong



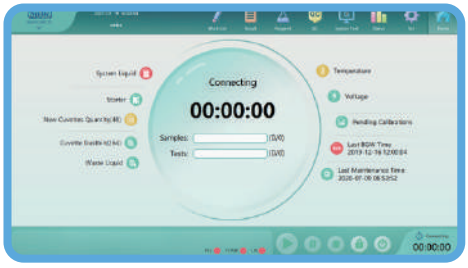
Reagent and Sample Loading

- 72 sample positions with barcode reader
- Sample in each position can be defined as STAT
- 20 reagent positions with RFID reader, 24h refrigerated at 10°C (±0.3°C)
- No-pause loading/unloading of reagents/samples without waiting or interrupting tests
- Reagent and sample indicator light available, real-time status monitoring, no need to check on the computer monitor



Single Reaction Cup with Integrated Packaging

- Single reaction cup can avoid light pollution and increase the cuvette utilization
- Single reaction cup with integrated packaging can avoid the stuck of the cuvette and destroying the cuvette wall



Intelligent UI Interface

- New user-friendly UI interface (Support multi-language)
- Real-time display for monitoring each test procedure, reagent, and consumable quantities, it's convenient for the mangement
- Intelligent error recovery

Convenient Management of Analyzer Status

- Intuitive indicator light of reagent, sample, and consumables, no need to focus on the monitor, the status can be known by looking at the analyzer from a distance

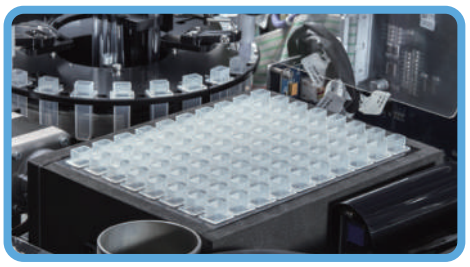
All Balanced and Strong

Accurate Pipetting Technology

- Single needle coated with TEFLON to avoid carry-over
- Independent washing unit for the needle, with different washing modes depending on different assay
- Pipetting detection technologies include liquid level, clot, and crash detection can ensure accurate and normal pipetting

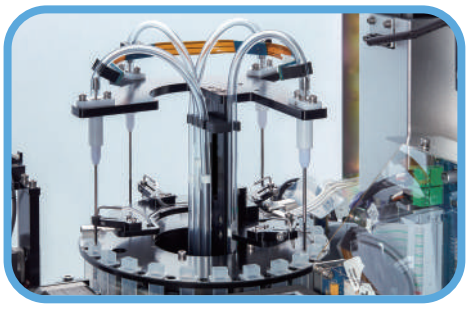
Accurate Incubation Technology

- Single reaction cup with five-sided heating at 37.0°C (±0.3°C), ensuring accurate, quick and uniform incubation
- Incubating 80 cuvettes simultaneously
- Non-contact mixing with different modes before incubation, ensuring sufficient reaction



High-Efficiency Washing Technology

- Magnetic separation washing with 4-step independent units and non-contact vortex mixing can reduce non-specific binding
- Different mixing modes depending on different assays, ensuring a sufficient washing to improve sensitivity



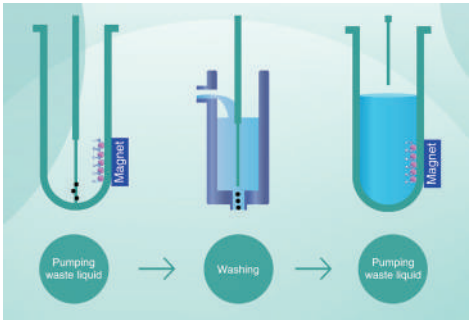
Stable and Accurate Measuring Chamber

- ABEI-label exclusive proprietary technology
- PMT with heating and cooling function, ensuring the detection precision
- Independent measuring room, avoiding light cross-contamination

Outstanding Technologies

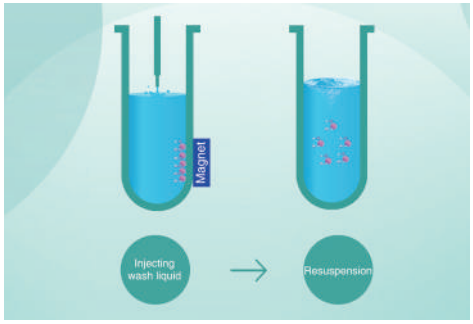
Exclusive Intelligent Washing Technology

Independent washing units for waste liquid needles



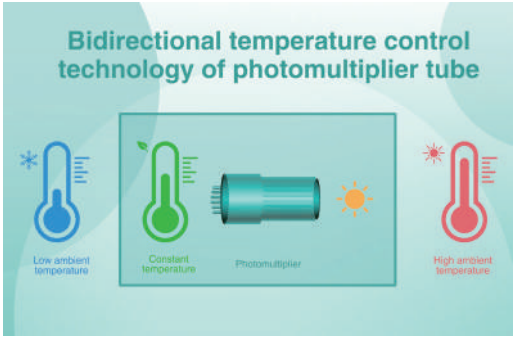
In the wash station, four waste liquid needles are equipped with four independent washing units to avoid the carry-over.

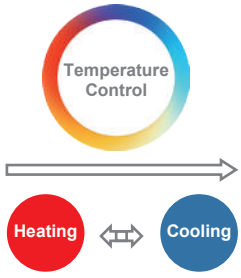
Magnetic separation washing and non-contact vortex mixing

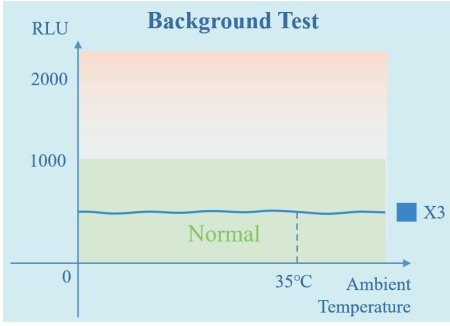


Magnetic separation washing and non-contact vortex mixing units, with different mixing modes depending on different assays, ensuring a sufficient washing to reduce the non-specific binding.

Stable and Accurate Measuring Chamber







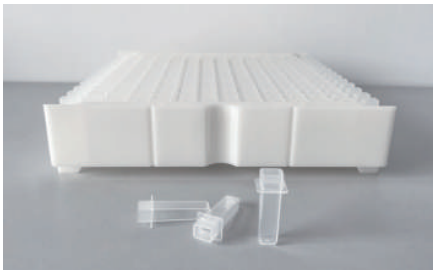
Automatic temperature control in the measuring chamber can keep a stable background value, not affected by the ambient temperature, ensuring the accuracy of measurement results.

Top 10 Highlights of MAGLUMI® X3

1. One of the highest space efficiency CLIA analyzers combines one of the broadest automated CLIA test menus.
2. The throughput is up to 200 tests/hour (Throughput per unit area is 294 T/h/m^2). No worry about the lack of laboratory space.
3. **MAGLUMI®** reagent kits (166 parameters) and consumables are compatible with **MAGLUMI®** X3.
4. The comprehensive advanced design of **MAGLUMI®** X3 ensures excellent performance.
5. Single reaction cup can avoid light pollution and increase cuvette utilization, its integrated packaging can avoid the stuck of the cuvette and destroying the cuvette wall.
6. No-pause loading/unloading of reagents/samples without waiting or interrupting tests.
7. Pipetting detection technologies include liquid level, clot, and crash detection can ensure accurate and normal pipetting.
8. The latest intelligent washing technology and bidirectional temperature control measurement guarantee accurate and reliable results.
9. Intelligent UI interface, user-friendly, easy, and convenient operation.
10. Intuitive indicator light make users no need to check reagents and consumables frequently.

MAGLUMI® X3 Reagent and Consumables

Reagent Kit



Reaction Module

Starter 1+2

Light Check

Wash Concentrate

System Tubing Cleaning Solution

Broad CLIA Test Menu with 166 Assays

Thyroid

TSH (3rd Generation)
T4
T3
FT4
FT3
Tg (Thyroglobulin)
TGA (Anti-Tg)
Anti-TPO
TRAb
TMA
Rev T3
*T-Uptake

Hepatic Fibrosis

HA
PIIIP N-P
C IV
Laminin
Cholyglycine

TORCH

Toxo IgG
Toxo IgM
Rubella IgG
Rubella IgM
CMV IgG
CMV IgM
HSV-1/2 IgG
HSV-1/2 IgM
HSV-2 IgG
*HSV-2 IgM
*HSV-1 IgG
*HSV-1 IgM

EBV

EBV EA IgG
EBV EA IgA
EBV VCA IgG
EBV VCA IgM
EBV VCA IgA
EBV NA IgG
EBV NA IgA

Inflammation Monitoring

CRP (High Sensitive)
PCT (Procalcitonin)
IL-6 (Interleukin 6)
SAA (Serum Amyloid A)

Fertility

FSH
LH
HCG/β-HCG
PRL (Prolactin)
Estradiol
Testosterone
free Testosterone
DHEA-S
Progesterone
free Estriol
17-OH Progesterone
AMH
SHBG
Androstenedione
*PlGF
*sFlt-1

Hypertension

Direct Renin
Aldosterone
Angiotensin I
Angiotensin II
Cortisol
ACTH

Autoimmune

Anti-CCP
Anti-dsDNA IgG
ANA Screen
ENA Screen
Anti-Sm IgG
Anti-Rib-P IgG
Anti-Scl-70 IgG
Anti-Centromeres IgG
Anti-Jo-1 IgG
Anti-M2-3E IgG
Anti-Histones IgG
Anti-nRNP/Sm IgG
Anti-SS-B IgG
Anti-SS-A IgG
TGA(Anti-Tg)
Anti-TPO
TRAb
TMA
ICA
IAA(Anti Insulin)
GAD 65
Anti-IA2
*Anti-Cardiolipin IgG
*Anti-Cardiolipin IgM
*Anti-MPO

Immunoglobulin

IgM
IgA
IgE
IgG

Tumor Markers

AFP
CEA
Total PSA
f-PSA
CA 125
CA 15-3
CA 19-9
PAP
CA 50
CYFRA 21-1
CA 242
CA 72-4
NSE
S-100
SCCA
TPA-snibe
ProGRP
HE4
HER-2
PIVKA-II

Infectious Disease

HBsAg
Anti-HBs
HBeAg
Anti-HBe
Anti-HBc
Anti-HCV
Syphilis
Anti-HAV
HAV IgM
HIV Ab/Ag Combi
Chagas
HTLV I+II
H.pylori IgG
H.pylori IgA
H.pylori IgM
2019-nCoV IgG
2019-nCoV IgM
SARS-CoV-2 S-RBD IgG
SARS-CoV-2 Neutralizing Antibody
SARS-CoV-2 Ag
*Anti-HBc IgM

Drug Monitoring

Digoxin
CSA (Cyclosporine A)
FK 506 (Tacrolimus)

Kidney Function

β_2-MG
Albumin
*NGAL

Cardiac

CK-MB
Troponin I
Myoglobin
hs-cTnI
H-FABP
NT-proBNP
BNP
D-Dimer
Lp-PLA2
*MPO

Metabolism

Pepsinogen I
Pepsinogen II
Gastrin-17
GH (hGH)
IGF-I
IGFBP-3

Prenatal Screening

AFP(Prenatal Screening)
Free β-HCG
PAPP-A
free Estriol

Anemia

Vitamin B12
Ferritin
Folate (FA)
*RBC Folate
*EPO

Glyco Metabolism

C-Peptide
Insulin
GAD 65
Anti-IA2
ICA
IAA (Anti Insulin)
Proinsulin

Bone Metabolism

Calcitonin
Osteocalcin
25-OH Vitamin D
Intact PTH
*β-CrossLaps (β-CTx)
*total P1NP

* Available soon

MAGLUMI® X3

Fully Automatic Chemiluminescence Immunoassay (CLIA) System

Technical Specifications

Chemiluminescence Principle

- Direct chemiluminescence
- Magnetic microbeads separation, fast and efficient
- Key technology of ABEI-label and magnetic microbead separating enhances stability and sensitivity of MAGLUMI® reagents

Main Features

- Throughput: up to 200 tests/hour
- Space occupied<0.68m², throughput of per unit area>294T/h/m²
- 24 hours ready to use

Reagent Loading

- 20 reagent positions on board with no-pause loading/unloading
- 24-hour refrigerated, constant at 10°C (±0.3°C) in reagent area
- RFID reading all information of reagent
- Indicator light available, real-time status monitoring

Sample Loading

- Up to 72 sample positions
- No-pause loading/unloading, STAT available
- Indicator light available, real-time status monitoring
- Barcode recognition: Barcode reader available
- Types of sample tube: micro sample cup, blood collection tube, plastic test tube
- Sample editing mode:Lis connection, barcode recognition, manual editing

Reagent Features

- MAGLUMI® reagent kits are compatible with all MAGLUMI® analyzers
- Calibrators and internal controls included
- 10 points master curve, 2-points re-calibration
- RFID tag storing all informations of reagents
- Storage temperature 2°C-8°C

Reaction System

- Single reaction cup with five-sided heating at 37.0°C (±0.3°C) incubation, ensuring accurate, quick and uniform incubation
- Incubating 80 cuvettes simultaneously
- Non-contact mixing with different modes before incubation, ensuring sufficient reaction

Sampling System

- Titanium needle for crushproof
- Teflon coated for carry-over prevention
- Liquid level detection, clot detection, prevent bubble interference, collision detection, wash automatically

Consumable System

- Single cup design, no-pause loading/unloading
- Starters: 230mL of Starter 1 and Starter 2
- System liquid: Up to load 10L at one time
- Indicator light monitors real-time consumable quantity

Washer

- 4-step washing technology
- Intelligent magnetic field design ensure excellent separation
- Three independent non-contact magnetic microbeads vortex cleaning technology
- Resuspension washing mode efficiently reduces non-specific binding and improves sensitivity
- Independent washing unit for waste liquid needle can completely wash without residue

Measuring Chamber

- High-sensitivity and low-noise photomultiplier tube (PMT)
- Heating and cooling bidirectional temperature control function included
- Original light pollution isolation technology prevents light pollution and ensures accurate and reliable results

Software System

- Friendly software UI design, humanized instrument operation procedure
- Real-time status display for each test procedure
- Self-recovery function make sure the analyzer running smoothly without unnecessary manual intervention
- Bidirectional Snibelis™ connection by TCP/IP and COM Port
- Supporting SnibeLinker™ remote diagnosis system

Dimensions & Weight

- Dimensions: 78 (h) × 90 (w) × 75 (d) cm
- Weight: 127 kg

Snibe Diagnostic
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Web: www.snibe.com
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M1062E01-210623

AC6000 Series

Full-auto Glycated Hemoglobin HbA1c Analyzer

Specifications

Model	AC6601 Full-auto glycated hemoglobin HbA1c Analyzer
	Basic Parameters
Testing Method	Chromatography/ion-exchange liquid chromatography
Testing Item	Glycated hemoglobin HbA1c
Testing Scope	3% - 18%
Testing Parameters	Precision (CV) ≤3%, Accuracy (V) ≤1.50%
Testing Time	4 minutes (including reporting)
Sample type	Venous blood (EDTA anticoagulation), Peripheral finger blood
Sample volume	5μl whole blood for each sample
	Functional Parameters
Photometer	415nm LED Integral flow colorimeter
Sampling mode	Full-auto 25-position sample turntable (20 sample positions, 2 quality control positions, 1 emergency position, 1 cleaning position, 1 zero position)
Testing mode	Auto test for batch, single test for emergency
Calibration	Optional selection of 2 points or 4 points calibration, optional selection of manual or automation, Equipped with 1 set of weight high and low level calibrators
Thermostatic control	Column and reagent thermostatic control: 25 ± 0.5℃
Reagent matching	One piece of column and reagent consumable/300 pieces of testing samples
Reagent allocation	Each standard package includes A, B, C, D eluent, calibrator, hemolytic agent, pump tubing
	Output Parameters
Display	320x240 LCD Graphic Display, displaying real-time testing curve
Printer	58mm Thermal printer, printing testing curve and report
Report Output	IFCC concentration value, NGSP area percentage, ADAG average glucose
Data storage	1000 test report (including testing curve)
Communication interface	RS232 communication interface, connecting to HIS/LIS system
	Working Parameters
Power Supply	AC220V ± 22V 50HZ 215VA
size	408mm x 390mm x 230mm
Weight	9kg
Working Environment	Temperature 12℃-30℃, Relative humidity ≤85%

AC6601**HbA1c**

Four new comprehensive upgrades

Faster More accurate More convenient

upgrade

Inside heating
No pre-heating step outside, operate easily.

New

Durable pump tubing
Maintenance free micro pump, accurate sample volum, accurate results, imported high performance pump tubing, using life is for 1000 tests. Reduce replacement frequency, easier operation.

upgrade

Filter for avoiding blockage
With filter device for sample, avoid blockage, reduce failure rate greatly.

New

Pressure monitor
With pressure testing device, monitor pressure at all times, results are more credible.

HbA1c Accuracy is the main key

It is the world consensus that glycated hemoglobin (HbA1c) becomes the important diagnostic standard in diabetes.HbA1c > 6.5% becomes the starting point for diabetes, and HbA1c >6.0% and < 6.5% is the main attribute for diabetes' high risk group. The accuracy of HbA1c is utmost important for diabetes screening, diagnosis, blood-glucose control and therapeutic effect monitoring. This interval of HbA1c is very narrow which is only 0.5%. For this reason, the accuracy of analyzer for glycated hemoglobin is critical.

Real-time Chromatogram True Reliability

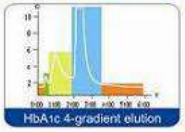
AC6601 adopts the display technology with real-time summarized chromatogram, carries out the basic principle of analysis instruments and appears the real original data. Discard modification of test results by means of software during late stage, it is ensured that the whole process of testing can be redisplayed truly, and provide credible results to clinic.

AC6601 Accuracy + High Performance | Low Price

AC6601 adopts the principle of test methodology same as high pressure liquid chromatography HPLC and uses low pressure liquid chromatography in combination with the advanced test and analysis technology.It's results fully meet the testing requirements for glycated hemoglobin HbA1c in lab and provide accurate test report for clinical diagnosis. The price is much lower than the price of HPLC and reasonable consumable prices enable AC6601 has high performance/Low price. AC6601 is specially suitable for the needs to test glycated hemoglobin HbA1c in all kinds of hospitals.

Items of Test Technology Ensuring Accurate Results

Accurate Principle of Methodology
Adopts classical and accurate principle of methodology-Ion exchange liquid chromatography. It is the gold standard of HbA1c analysis, and it is the only analysis method to really separate HbA1c directly by measuring the piecemeal absorbance through continuous test on line, and obtain the correct area percentage with integration.


HbA1c 4-gradient elution

Accurate separation 4-gradient elution
The novel 4-gradient elution for HbA1c can separate accurately glycated hemoglobin with 4-gradient elution of corresponding concentration reagent aiming at HbA1c instead of routine elution process produced by high and low concentration mixture.

High Separation Liquid Chromatographic Column
High separation liquid chromatographic column made of imported resin with volume of Φ 9mm x 45mm and weight of 2.5g which is 15-20 times greater than general micro chromatographic column. High efficiency chromatographic column for 300 tests ensure the accuracy of test results.


High separating degree liquid chromatographic column

High Sensitivity 415nm LED Integral Photometer
High sensitivity 415nm LED integral photometer has the characteristics of correct wavelength, stable light source, full aluminum alloy structure, high anti-interference performance, multi-lens focusing, micro cuvettes and high sensitivity. It can record accurately analysis curve.


415nm LED Integral Photometer

Supply with Original Calibrator
The international standard value tracing is adopted. The authoritative reference material for quality control is used to transfer the numeric value. Each set of reagent is supplied with two sets of calibrator for proper calibration so as to ensure that the test results are correct and reliable and thoroughly to avoid individual error caused by factor calibration.


Supplied with original calibrator

Precision Chromatographic Column and Thermostatic Apparatus
Precision chromatographic column and reagent thermostatic control apparatus ensure that Chromatographic column and reagent are not affected by environment temperature and effectively guarantees the repeatability and correctness of the test results.

Items of Human Oriented Design, Convenience, Speed and Reliability

Real-time summarized chromatogram, Intelligence process detection
The advanced embedded micro processing system + intelligence control software can really display testing curve and the real redisplay of testing process and can monitor and alarm for test results, absorbency, signal potential, peak time and reagent consumption. It can be operated with high proficiency.

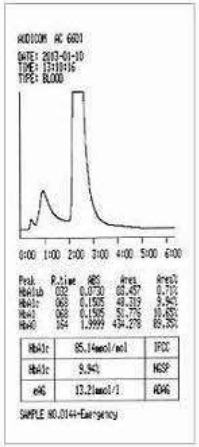
Full-auto 25-position Sample Turntable, Optional Selection of Batch Test or Emergency Test
With full-auto 25-position sample turntable, it is unnecessary to use complicated rank sampling device and built-in hemolysis device. Batch test can be automatically carried out. Emergency test can be carried out at any time.

Full-open Structure, perfect flow path, low failure and easy maintenance
Full-open structure, Perfect solenoid valve flow path, it is unnecessary to use complicated sample mechanical 6-way and rotating distribution control valve. It is reliable for use and easy for maintenance.

5μl whole blood, for both labs and clinics
5μl whole blood, both venous blood and peripheral finger blood can be tested, suitable for labs for batch tests and also suitable for clinics for providing test results immediately.

With gas solution and bubble-removal technology, the error can be eliminated overall
Since the instrument is equipped with reagent solvability gas eliminating device and applies the cuvette bubble auto detection eliminating technology, the air bubbles which affect the test results can be eliminated overall without the complicated degassing device.

Saccharification concentration, area percentage and average glucose can be synchronously reported
The instrument can output the data including IFCC concentration value, NGSP area percentage and ADAG average glucose on the test report synchronously to meet the requirement of world standardization. It may memorize 1000 test curve reports and is equipped with RS232 communication interface and can connect directly to HIS/LIS system.




First step: add whole blood sample to hemolytic agent


Second step: put sample cup on auto sampler


Third step: report HbA1c concentration, area percentage and eAG at the same time after 4 minutes

Microprofit Biotech

fluorecare®

Immunofluorescence Quantitative Platform

@microprofitbio Microprofit Biotech Microprofit Biotech | www.microprofit-bio.com

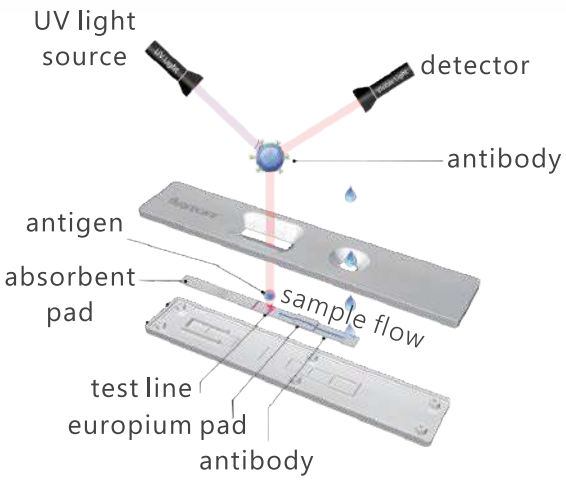
fluorecare®

Microprofit fluorecare® Immunofluorescence Quantitative Platform uses immunochromatographic technology, for the diagnosis of common human diseases．Based on specific antigen-antibody reaction, the triggered fluorescence from the fluorochrome-labeled complexes at the test line is collected and automaticly calculated. For certain analyte, including serum, plasma, urine or other sample, fluorecare® is able to measure the concentration of various biological markers including tumor markers, hormone markers, infection markers, cardiac markers and diabetes markers with excellent accuracy and easy operation.

◆ Test items

- **Tumor**
  CEA, AFP, PSA, f-PSA, Cyfra21-1, CA125, CA19-9, PG I/II, Ferritin, Transferrin
- **Hormone**
  β-HCG, LH, FSH, PRL, Testosterone, Progesterone, AMH, TSH, T3, T4, 25-OH Vitamin D, Cortisol
- **Diabetes**
  HbA1c, Insulin, C-Peptide, MAU, CYS-C
- **Infection**
  PCT, CRP, SAA
- **Cardiac**
  cTnI, MYO, CK-MB, NT-proBNP, D-Dimer

◆ Technique Principle



◆ Advantages

- POCT (Point-of-care testing)
- Room temperature shipping and storage
- Full platform, multiple parameters
- Inner and independent quality control
- One-step rapid test

fluorecare® MF-T1000

Immunofluorescence Analyzer

- **No specialized facilities or personnel needed.**

  Unlike traditional workstation, fluorecare POCT platform does not require specialized facilities. Easy to learn, easy to use.

- **Automatic calibration and comprehensive parameters.**

  In-built automatic calibration saves time and maintains accuracy.

- **Intended use in community hospitals and primary clinics.**

  Include primary clinics, small laboratories, community hospitals, medical facilities in rural areas and emergency department in hospitals.

- **Abundant connectivity options.**

  4 USB ports, 1 LAN port, 1 LIS port and 1 PC connection port.

fluorecare® MF-C100

Temperature Control Instrument

- **Precise temperature control.**
- **Automatic timing function.**
- **A perfect match for fluorecare® MF-T1000 and test cassettes.**

Workflow

Step 1:
Apply sample to the strip.

Step 2:
Wait for certain minutes of reaction.
(Refering to instruction)

Step 3:
Insert the test strip.

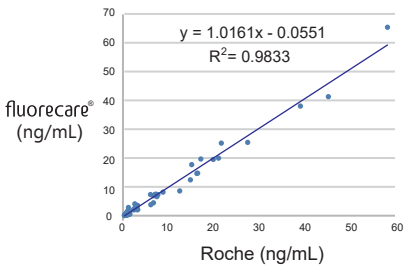
Step 4:
Click "test". Results will be displayed on the screen.

Step 5:
Results can be printed by in-built printer or exported by various output options.

Step 6:
Dispose the strip as biohazard waste and text next sample.

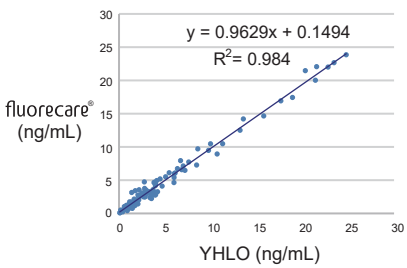
High consistence of fluorecare® Immunofluorescence Quantitative Platform with leading product manufacturer.

fluorecare® peformance on **PSA**



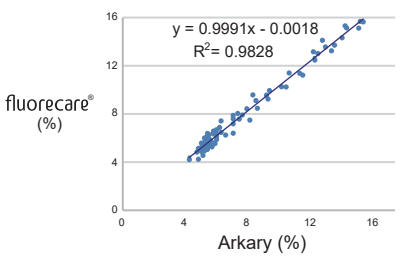
Test range: 0.2-60 ng/mL
Test time: 15 min
Sample Type: Serum/Plasma
Precision: CV < 10%

fluorecare® peformance on **AMH**



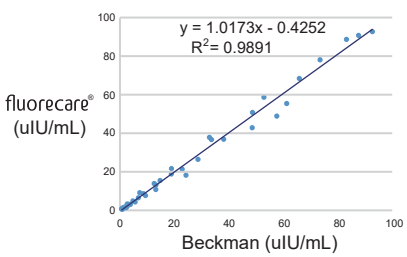
Test range: 0.1-25 ng/mL
Test time: 15 min
Sample Type: Serum/Plasma
Precision: CV < 10%

fluorecare® peformance on **HbA1c**



Test range: 4%-16%
Test time: 12 min
Sample Type: Whole blood
Precision: CV < 10%

fluorecare® peformance on **TSH**



Test range: 0.1-100 uIU/mL
Test time: 15 min
Sample Type: Serum/Plasma
Precision: CV < 10%

fluorecare®

Immunofluorescence Quantitative Platform

Product Class	Markers	Specimen	Reaction Time	Measuring Range	Qualification	Ongoing
Tumor	CEA	S/P	15 min	1-200 ng/ml	CE	
	AFP	S/P	15 min	2-300 ng/ml	CE	
	PSA	S/P	15 min	0.2-60 ng/ml		
	f-PSA	S/P	15 min	0.1-25 ng/ml		
	Cyfra21-1	S/P	15 min	1-200 ng/ml	CE	
	CA125	S/P	15 min	1-500 U/ml	CE	
	CA19-9	S/P	15 min	5-300 U/ml	CE	
	CA15-3	S/P	15 min	1-300 U/ml	CE	▲
	PG I/II	S/P	10 min	PG I: 2-800 ng/ml/PG II: 1-100 ng/ml	CE	
	Ferritin	S/P	15 min	10-1000 ng/ml	CE	
	Transferrin	S/P	15 min	0.25-5 g/L	CE	
	Pro-GRP	S/P	15 min	4-500 pg/ml	CE	▲
	HE-4	S/P	15 min	50-1500 pmol/ml	CE	▲
	NSE	S/P	15 min	1-200 ng/ml	CE	▲
	SCCA	S/P	15 min	0.3-100 ng/ml	CE	▲
Hormone	β-HCG	S/P	15 min	5-200000 mIU/ml	CE	
	LH	S/P	15 min	1-100 mIU/ml	CE	
	FSH	S/P	15 min	1-100 mIU/ml	CE	
	PRL	S/P	15 min	1-100 ng/ml	CE	
	Testosterone	S/P	15 min	0.1-15 ng/ml	CE	
	Progesterone	S/P	15 min	0.8-40 ng/ml	CE	
	AMH	S/P	15 min	0.1-25 ng/ml	CE	
	TSH	S/P	15 min	0.1-100 uIU/ml	CE	
	T3	S/P	10 min	0.5-12 nmol/L	CE	
	T4	S/P	10 min	10-300 nmol/L	CE	
	fT3	S/P	15 min	1-50 pmol/ml	CE	▲
	fT4	S/P	10 min	3-77 pmol/L	CE	▲
	25-OH Vitamin D	S/P	10 min	3-100 ng/ml	CE	
	Cortisol	S/P	15 min	0.5-75 μg/dL	CE	
Diabetes	HbA1c	WB	12 min	4%-16%	CE	
	Insulin	S/P	15 min	2-300 mIU/L	CE	
	C-Peptide	S/P	15 min	0.1-30 ng/ml	CE	
	MAU	Urine	15 min	5-200 mg/L	CE	
	CYS-C	S/P	3 min	0.1-8 mg/L	CE	
Infection	PCT	S/P	15 min	0.1-50 ng/ml	CE	
	CRP	S/P/WB	3 min	0.5-150 mg/L	CE	
	SAA	S/P	5 min	5-150 mg/L	CE	
Cardiac	cTnI	S/P	15 min	0.1-50 ng/ml	CE	
	MYO	S/P	15 min	1-500 ng/ml	CE	
	CK-MB	S/P	15 min	1-80 ng/ml	CE	
	NT-proBNP	S/P	15 min	100-30000 pg/ml	CE	
	D-Dimer	S/P	10 min	0.1-10 mg/L	CE	

▲ Under development

Rev.: 2019/07/01

fluorecare®, creating a **NEW** impact on point-of-care testing.

Microprofit Biotech Authorized Distributor

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Contact: info@imtec.be | +32(0)3-2251139

IVD CE ISO 13485

URIT

High reliability & automatization with convenience

URIT-500B

Urine Analyzer

Global Diagnostics Supplier

URIT-500B
Urine Analyzer

FDA 510 (K) No.K082811 Approved

Specifications

Parameters: Leukocyte, Ketone, Nitrite, Urobilinogen, Bilirubin, Protein, Glucose, Specific Gravity, Blood, pH, Ascorbic Acid, Microalbumin, Creatinine, Calcium

Measurement Principle: Dual wavelength reflectance photometry

Reaction time: 65 seconds

Throughput: 520 samples /hour

Display: LCD touch screen

Memory Capacity: 9999 results

Strip: URIT 10G/11G/14G urine reagent strip.

Interface: Serial port(RS232), parallel port (For external printer), PS/2(For barcode reader),USB Port(For data out put)

Work condition: Environmental Temperature: 15-30℃, RH: 20%~80%,Lumination:=2000 lx

Power supply: 100~240V AC,50/60Hz

Dimension: 390mm x 340mm x 290mm(Depth×Width×Height)

Weight: 6.5kg

Features & Functions

- Friendly operation with touch screen
- Easy maintenance design with auto waste collection
- High test speed, ideal for extensive sample laboratory
- Fully automatic operation for ready-to-test
- Internal calibration for sensitivity of strips
- Rs232 serial interface to host PC/LIS, Barcode reader optional
- URIT UQ-10,UQ-11 and UQ-14 Urinalysis Control

URIT 10G、11G、14G
urine reagent strip

14G with Micro albumin, Creatinine and Calcium.

URIT Medical Electronic Co., Ltd.

Head Office
Add.: No. D-07 Information Industry District, High-tech Zone, Guilin, Guangxi 541004, P. R. China
Tel: +86-773-2288586 Fax: +86-773-2288560

Shenzhen Office
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Tel: +86-755-26050853 Fax: +86-755-86036150
E-mail:export@uritest.com service@uritest.com Http://www.urit.com

CE ISO9001 ISO13485 FDA

Rev. 201706-2 (20180612)

GH-900Plus HbA1c Analyzer

Technical Specs

Methodology	High - Performance Liquid Chromatography (HPLC)
Test Modes	Variant Mode (A1c\E\D\S\C)
Test Range	3% - 18%
Precision	CV ⩽ 1.5%
Test Speed	130 Secs / Test
Sample Type	Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood 10μL(whole blood), 400μL (Diluted blood)
Auto Sample Station	5 Positions/Rack
Photometer	415nm + 500nm Detector
Filter	⩾ 400T
Display	10.1 " TFT True Color LCD Touch Screen
Software	Linux Software with Self - Diagnosis to Monitor and Detect System Errors
Reagent Kit	Eluent A, Eluent B, Hemolysin L, Calibrator; QC Material
Information Input	Scanner or Touch Keypad
Storage	4000 Sample Results
Connection	USB, LAN, LIS Compatible
Printer	Thermal Printer
Operation	Temperature 10 ~ 30 °C (50 ~ 86 °F)
Humidity	⩽ 80%
Power	AC 100-240V 50/60HZ 120VA
Dimensions	450mm(L)*360mm(W)*540mm(H)
Weight	32.8KG

NGSP IFCC CE NMPA

Lifotronic

Caring for Better Life

GH-900Plus HbA1c Analyzer

Lifotronic Technology Co., Ltd.

Address: Unit A,4th Floor, Building 15, Yijing Estate, No. 1008 Songbai Road, Nanshan District, Shenzhen City, Guangdong Province, 518055, P.R.China

Tel: 86-755-29060026 **Fax:** 86-755-29060036

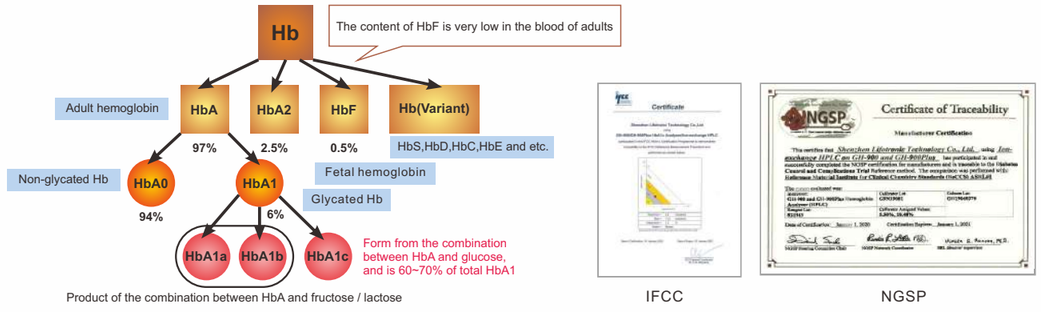
Email:inter-marketing@lifotronic.com **Web:** en.lifotronic.com

en.lifotronic.com

GH-900Plus
HbA1c Analyzer

Lifotronic fully automated GH-900Plus HbA1c Analyzer supports fast HbA1c results output in 130 seconds without Hb variant interference. It provides the outstanding solution for reliable diabetic monitoring. No sample preparation and walk-away operation.

The Elements of Hemoglobin



IFCC

NGSP

Gold Standard of Diabetes Diagnose

Glycosylated hemoglobin (HbA1c) is widely recognized as a Gold Standard to monitor diabetes, which can indicate the average plasma glucose concentration over 8 ~ 12 weeks.

HPLC Methodology

High-Pressure Liquid Chromatography (HPLC), to separate HbA1c directly with measuring the absorbance points continually to form chromatogram. Using normal distribution curve fitting auto-iterative algorithm to get precise HbA1c testing result, excluding interference of variant and unstable hemoglobin like LA1c. Standard Analysis Mode will report HbA1a, HbA1b, HbF, LA1c, HbA1c, HbA0 peak areas and percentage. And the result also includes IFCC, NGSP and ADAG value for diverse client needs.

HPLC Technology – Gold Standard Methodology

- NGSP and IFCC Certified
- HbA1c Results within 130 Seconds
- 5 samples loading capacity, suitable for medium to small labs

Fully Automated - To Minimize Operation Steps

- No sample preparation
- Fully automated system cleaning after test
- External barcode scanner for sample identification

Precise and Reliable – To Serve You Consistently

- Inter measuring CV⩽1.5% & Intra measuring CV's ⩽3%
- Superior quality chromatographic resolution to eliminate interferences

Dual Wavelength Detection – To Avoid Interference

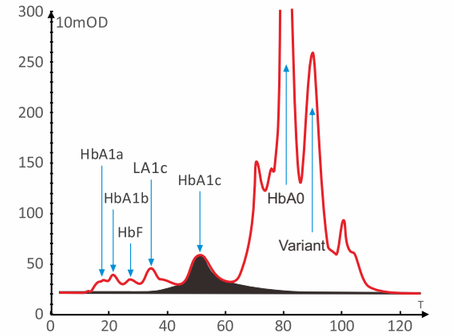
- To avoid the reagent peak interference
- More anti-interference abilities, the mutation factor interference to the peak can be easily counteracted
- To eliminate the nonspecific absorption of hemoglobin

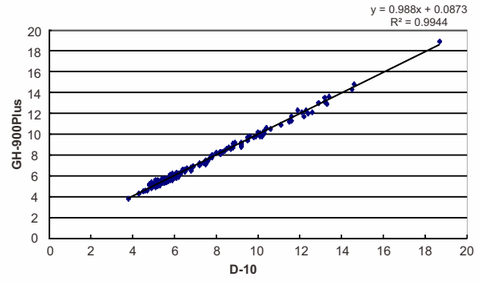
Degasser – For Better Result Accuracy

- More Stable Pressure, More Accurate Flow Rate
- To Reduce Background Absorption and Improve Detection Sensitivity
- To Improve the Separation Effect of Column and Prolong Its Lifetime

Compact Size – To Minimize Space Requirements

- Small Footprint Reduces Bench Space Needed
- Most compact fully automated HPLC system





Correlation between GH-900Plus and D-10

H8 Hemoglobin Analyzer (HPLC)

Technical Specs

Methodology	High-Performance Liquid Chromatography (HPLC)
Test Modes	Fast Mode, Variant Mode
Test Range	3% - 18%
Precision	CV ≤1.5%
First Sample Result	7.5 Mins
Test Speed	1.5Mins/sample for Fast Mode, 2.2 Mins/sample for Variant Mode
Sample Type	Venous Blood, Finger Peripheral Blood, Lyophilized Whole Blood
	Peripheral Blood， 500ul(150 Dilution Ratio)
Auto Sample Station	10 Positions
Photometer	415nm+500nm LED, 20000 Hours Life Span
Chromatography Column	Available Tests ≥800T
Filter	≥400T
Display	10.1"TFT True Color LCD Touch Screen
Software	Embedded System with Self-Diagnosis to Monitor and Detect System Errors
Reagent Kit	Eluent A, Eluent B, Eluent C, Hemolysin, Calibrator, QC Material (Weight Sensor±1%)
Information Input	Scanner or Touch Keypad
Storage	4000 Sample Results
Connection	USB, LAN, LIS Compatible
Printer	Thermal Printer and External Laser Printer
Operation	Temperature 10~30°C (~°F)
Humidity	≤85%
Power	AC 100-240V 50/60HZ 120VA
Dimensions	580mm×500mm×520mm (22.8"H×19.7"W×20.5"D)
Weight	50kg (110lbs)
Barcode Scanner	QC Curve

NGSP IFCC CE SGS CFDA

Lifotronic Technology Co., Ltd.

Address: 4th Floor, Building 15, 1008 Songbai Road, Nanshan District, Shenzhen, 518055, China

Tel: 86-755-29060197 **Fax:** 86-755-29060036 **Email:** Inter-sales@lifotronic.com

Web: en.lifotronic.com

Lifotronic

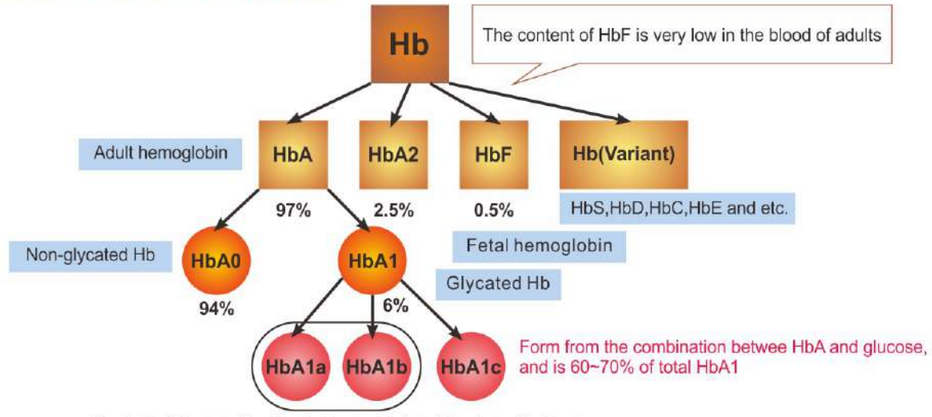
H8 Hemoglobin Analyzer (HPLC)

en.lifotronic.com

H8 Hemoglobin Analyzer (HPLC)

The Fully automated Lifotronic H8 Hemoglobin Analyzer offers the fast throughput of HbA1c results in 130 seconds, with Hb variant detection, providing the outstanding solution for quick and reliable diabetic monitoring. No sample preparation and very little hands-on time by the operator is required for the H8 Analyzer.

The Elements of Hemoglobin



Product of the combination between HbA and fructose / lactose

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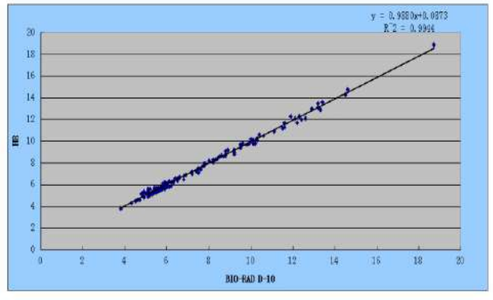
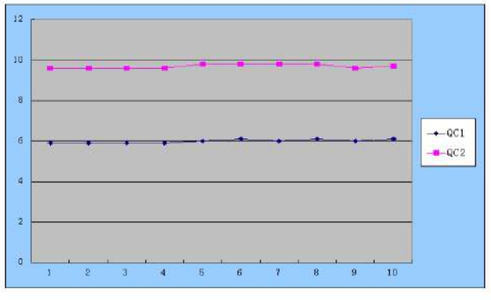


Correlation between H8 and a famous HPLC method



Precision Study

HPLC Technology – Gold Standard Methodology

- NGSP and IFCC certified
- HbA1c results in 130 seconds

Fully Automated - To Minimize Operation Hassles

- Primary Tube Sampling with Cap Piercing
- Fully Automated Start-up, Maintenanceand Shutdown
- Barcode Scanner for Sample identification

Precise and Reliable – To Serve You Consistently

- HbA1c Inter & Intra Measuring CV's ⩽3% to EnableExceptional ResultManagement
- SuperiorQuality Chromatographic Resolution to EliminateInterferences

Dual Wavelength Effect

- To Avoid the Reagent Peak Interference
- More Anti-interference Capabilities, the Interference of the Mutation Factor to the Peak Can Easily be Counteracted
- To Eliminate the Nonspecific Absorption of Hemoglobin

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