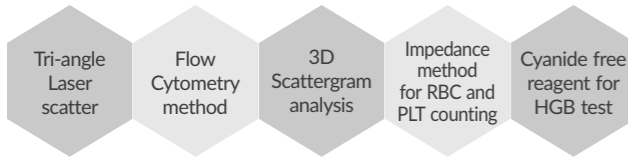


Technical Specification

Principles



Parameters

25 Reportable parameters:

WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PCT, PDW, P-LCR, P-LCC, NEU%, LYM%, MON%, EOS%, BAS%, NEU#, LYM#, MON#, EOS#, BAS#

1 3D Scattergram
3 Histograms(WBC/BASO, RBC, PLT)

6 Research parameter:

ALY%, ALY#, LIC%, LIC#, NRBC%,NRBC#

Test Mode

- CBC mode, CBC+DIFF mode
- Venous whole blood, Capillary whole blood and Prediluted blood

Throughput

70 tests/hour

Performance

Parameter	Linearity Range	Carry Over	CV
WBC	0-300x10 ⁹ /L	≤0.5%	≤2.0%
RBC	0-8.6x10 ¹² /L	≤0.5%	≤1.5%
HGB	0-260g/L	≤0.5%	≤1.5%
PLT	0-3000 x10 ⁹ /L	≤1.0%	≤4.0%

Sample Volume

CBC+DIFF mode: ≤20μl
CBC mode: ≤10μl

Data Storage Capacities

Up to 300,000 results(including histogram, scattergram, patient information)

Display

14 inch touch screen, resolution 1920*1080

Interface

1 LAN port, 1 HDMI port, 4 USB ports

Communication

Support HL7 protocol/LIS
Internal RFID reader

Printout

Support various external USB printers, printout formats user definable

Loading Capacity

50 sample positions

Power Requirement

a.c.100-240V,50/60Hz

Working Environment

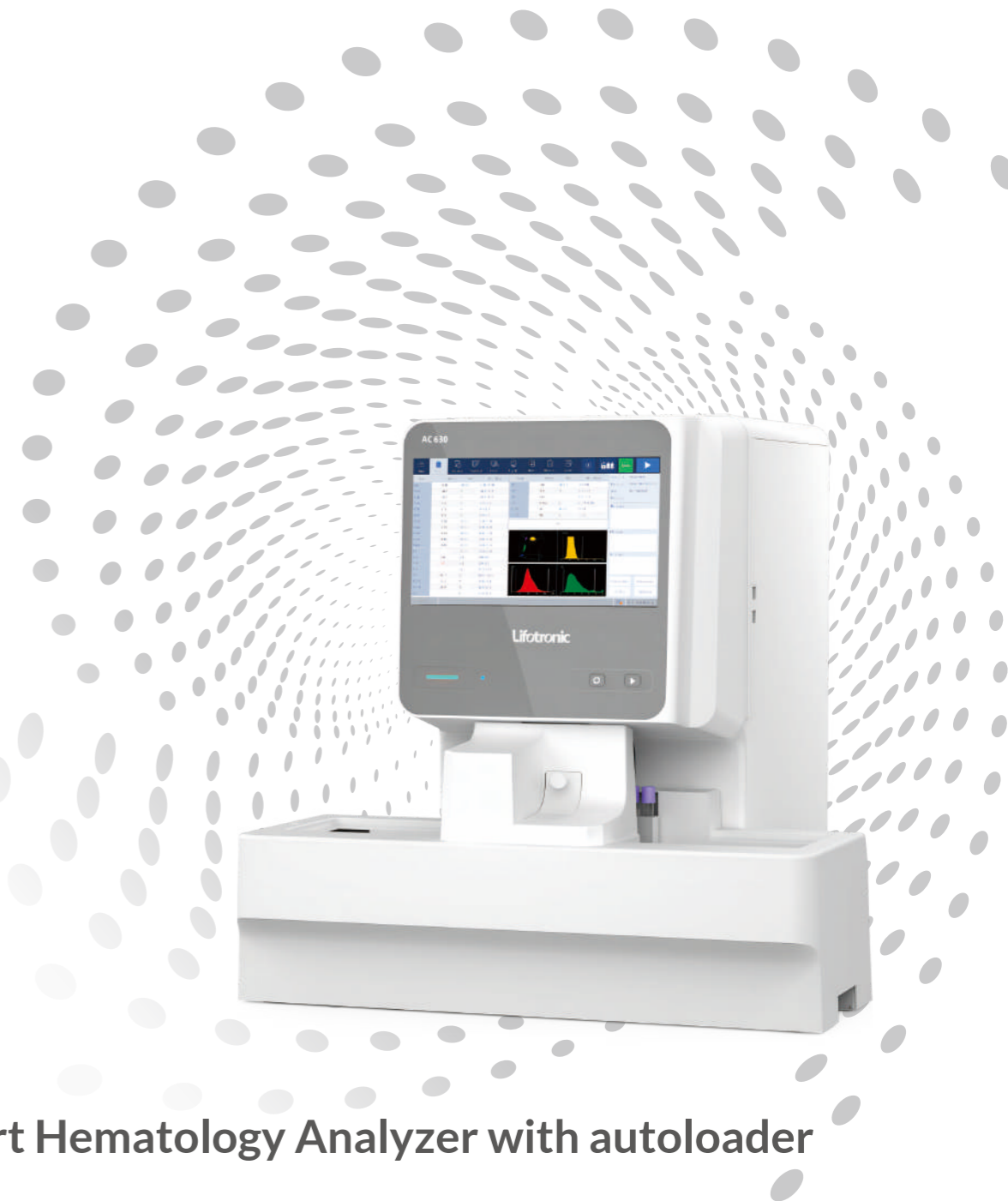
- Temperature:15-30°C
- Humidity: ≤85%
- Air pressure: 70~106kPa
- Working latitude: ≤3000m



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AC 630



Auto 5-part Hematology Analyzer with autoloader



AC 630

Auto 5-part Hematology Analyzer

Excellent Performance

- 70 tests/hour
- ≤ 20μl sample volume for CBC + DIFF measurement
- Wide linearity range to support clinical diagnostics and disease monitoring

User-friendly Design

- Highly intuitive 14-inch touch screen for effortless operation.
- 360° internal barcode scanner to eliminate barcode scanning errors.
- Inversion mixing for whole blood and oscillation mixing for capillary blood.

Easy Operation and Maintenance

- Single screen displays 25 parameter results and graphs
- Automatic shutdown function
- One-click fault clearing function
- Automatic blockage clearing function

Accurate and Reliable

- Advanced tri-angle laser scattering technology for more accurate 5-part WBC differentiation.
- High-quality key parts.
- Combining optical and impedance methods to deliver more precise BASO measurement.



Advanced Technology

The laser flow cytometry principle captures forward and side scatter data of white blood cells. The 360-degree rotatable 3D graph offers an intuitive display of cell distribution.

Reagents

Featuring an economical consumption model, the system utilizes only 3 reagents in the counting cycle while maintaining a 2-year shelf life, delivering exceptional cost-effectiveness.

Unique Auto-mixing Function For Capillary Blood

The auto-mixing function prevents sample wall hanging, maintains cell integrity, and avoids sample splatter, thereby enhancing the accuracy of test results.

Auto-loader and STAT position

The fully automated sampling mechanism offers maximum convenience for the operator. The STAT position setting caters to the needs of urgent sample testing.

Network Connection

Supporting the HL7 protocol, the AC630 can be linked to the LIS in both uni-directional and bi-directional manners.

Auto Shut Down Function

The instrument automatically powers off (disconnecting from power) after completing the cleaning procedures, eliminating the need for manual shut down.