

Technical Parameter

Instrument Model: UP 5500
Measurement Principle: Optical Method
Test Methods: Coagulation, Immunoturbidimetry, Chromogenic substrate
Test Items: PT, APTT, TT, FIB,Coagulation Factors(V/VII/VIII/IX···) APCR, LA1, LA2, PS;
D-Dimer, FDP, vWF; AT-III, PC, HEP, PLG, Anti-Xa
Test throughput: 420 Ts/ H (PT/APTT/ TT/FIB/D-Dimer)
Data Storage: 100,000 Reaction Curves Storage
Operation Language: Chinese/English
Report Forms: Supporting multiple forms of the report output
Barcode Function: Reagent, sample barcode reading
Working Environment: 10℃-30℃, relative humidity ≤70%
Storage Environment: -20℃-55℃, relative humidity ≤85%
Power Requirements: 100~240V, 50~60Hz
Weight: 271kg
Dimensions: 118cm*75cm*124cm



UP 5500
Automated Coagulation Analyzer

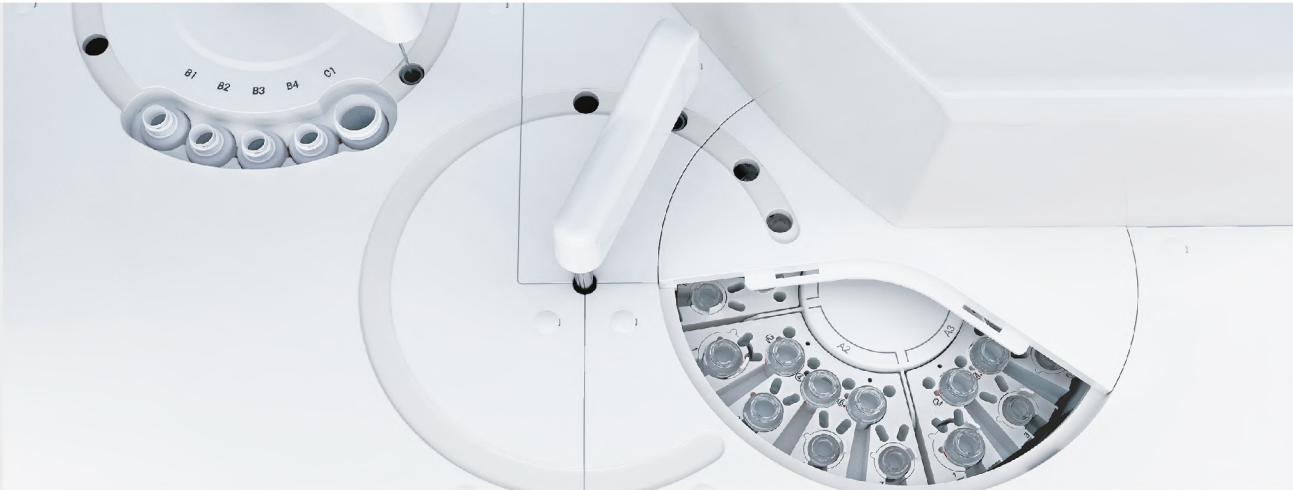
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Rational Management System

- **Reagent Management System:**
28 reagent positions with refrigeration function, 4 diluent positions, 1 rinse station;
With different specifications of adapters;
Reagent position tilt design, reduce the amount of reagent cavity;
Automatic barcode reading to identify reagent information.
- **Sample Management System:**
100 sample positions; continuous loading and automatic injection;
Equipped with high precision barcode reading system;
Any sample position can be set as a STAT position.
- **Sample Adding Management System:**
Three-dimensional movement of probes, with liquid level detection, high accuracy of sample adding volume, error $\leq 5\%$;
Three reagent probes add reagents independently and flexibly to improve the speed of reagent adding.
- **Cleaning Management System:**
Automatically cleaning and anti-collision protection.
- **Constant temperature Management System:**
Reagent position with refrigerator $\leq 16^{\circ}\text{C}$, preheating probes at 37°C quickly, maintain the temperature of test channels and incubation positions at 37°C .
- **Measurement Management System:**
Optical principle with coagulation method, immunoturbidimetric assay, chromogenic substrate assay;
With 20 full-wavelength detection channels;
LED light source prolongs service life.
Multi-wavelength(405nm/570nm/660nm/800nm)design, realize HIL intelligent anti-interference.

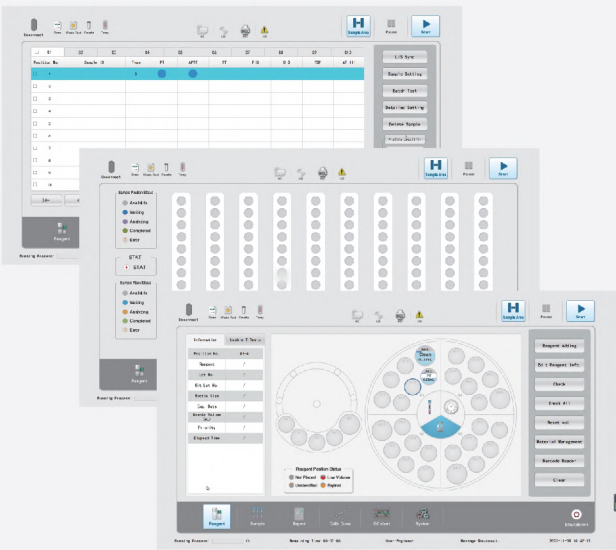
- **Automatic cuvette Selection and Transmission System:**
2000 cuvettes capacity with continuous loading;
Selection mechanism automatically selects and transmits them to the reagent position;
Missing cuvette alarm function.
- **Barcode Management System:**
Automatically sample barcode reading;
Automatically reagent barcode reading;
Managing reagent and material reasonably.

Diverse Test Principles

- **Coagulation Method:**
PT · APTT · TT · FIB · Coagulation Factors.....
APCR · LA1 · LA2 · PS
- **Immunoturbidimetric Assay:**
D-Dimer · FDP · VWF
- **Chromogenic Substrate Assay:**
AT-III · PC · HEP · PLG · Anti-Xa

More Efficient and Stable Performance

- Varieties of standard curve plotting;
- PT/APTT/TT/FIB/D-Dimer throughput 420 Ts/ H;
- Multi-rule control management function;
- Excellent repeatable, accurate and linear test result;
- Reliable auto-retest function:
Automatically retest abnormal results in order to guarantee repeatability and reliability of test results;
- Automatic APTT mixing study.



Humanized Operation System

- Secure and stable Windows OS, with Chinese/English language interface;
- Equipped with PC;
- Super data storage capacity;
- Real-time test status and results displayed, printed and queried;
- Automatic dilution, calibration and screening analysis;
- Alarm function with real-time reflecting malfunction;
- Ensure accurate drive control with imported precision components;
- Support Chinese/English report output and link external printer;
- Meet emergency and outpatient service requirements by STAT function.

Original Reagent Kits · Consumables

- **Reagents:** With more than 20 years of experience in coagulation reagents, SUNBIO owns a full range of products in the field of thrombosis and hemostasis;
- **Consumables:** with feature of higher cost performance in precision, price and match of mold manufacture;
- Providing a full set of SOP documents and assisting users to pass certification of 15189;
- Protecting the common interests of users, agents and manufacturers by providing measures of barcode management.

