SUNBIO 上海太阳生物

Technical Specification

Principle	Coagulation Method, Chromogenic Method, Immunoassay Method, Aggregometry
Light Source	LED cold light source, maintenance free（wavelengths:340nm/405nm/570nm/660nm/800nm）
Sample Positions	40, rack-style loading
Reagent Positions	21 refrigerated and 5 ambient, tilted design
Detection Channels	12 detection channels, include 10 optical channels and 2 mechanical channels
Probe	1reagent probe,1 cap-piercing sample probe
Cuvettes	500, continuous dump-style loading
STAT	Priority testing in any sample position
Reagent Consumption	real-time per-cycle tracking
Management	Automatic management of dilutions, reruns, pre-calibration, etc.
Data Storage	100,000 sample results and reaction curves
Operating System	Built-in color LCD touch screen
Barcode Reader	With build-in barcode reading system in both sample positions and reagent positions
Quality Control	X-bar control, L-J control and multi-rule quality control
Calibration Curve	Automatic dilution setting, multi-point calibration curve
Instrument Interface	With RS232 interface, connecting LIS/HIS
Printer	Print through external printer
Dimension	690mm × 670mm × 643mm
Weight	90kg
Noise Level	＜85dB
Power Supply	Voltage: 100-240V　Frequency: 50Hz/60Hz
Room Environment	Ambient temperature: 10-30℃, Relative humidity: ≤80%, Atmospheric pressure: 70-106kPa



UG 1210

Automated Coagulation Analyzer

SHANGHAI SUN BIOTECH CO.,LTD

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Optical-mechanical Coagulation Detection

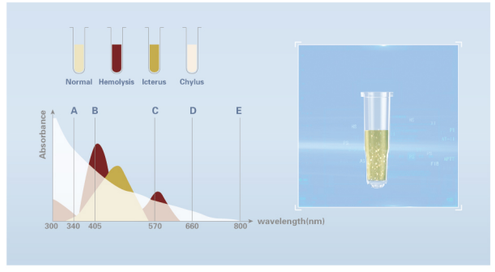
- Optical and mechanical dual-method detection, auto-switch to suitable detection channels for severe hemolysis, icterus and lipemia samples.
- Coagulation Method:
  PT, APTT, FIB, TT, Protein S, Intrinsic factors(8/9/11/12), Extrinsic factors(2/5/7/10), Lupus Anticoagulant(LA).....
- Chromogenic Method:
  AT-III, Protein C, Anti-Xa.....
- Immunoassay Method:
  FDP, D-Dimer, vWF, Factor 13.....

Platelet Aggregation Assay

- Light transmission aggregometry(LTA)
- Equipped with 5 agonists: AA, ADP, COL, EPI, and RIS.

Automated Sample Quality Verification with Multi-Wavelength Switching

- Multiple Sample Check : HIL monitoring, volume check and clot detection.
- Five Wavelengths (340, 405, 570, 660, 800 nm) to minimize HIL interference.





Automated Factor Parallelism & APTT Mixing Study, FIB Multi-Parameter Assays

- Automated factor parallelism and automated APTT mixing studies.
- Customized rerun and reflex testing rules for flexible clinical adaptation.
- Comprehensive FIB Assay: Clauss, PT-derived, and Immunoturbidimetric methods.
- Throughput: PT 150 T/H, PT+PT-derived 300 T/H.
- The micro-sampling mode enables rapid and accurate analysis.

Uninterrupted Operation, Cap-piercing Function

- Replacement of reagents, cuvettes and rinse solution without instrument stopped or test interrupted.
- Auto-dilution of concentrated rinse solution to reduce the replacement frequency.
- The 2-8°C refrigerated reagent plate ensures reagent stability.
- Cap-piercing function technology significantly enhances biosafety.

Scheduled Startup and Self-check

- Automated scheduled startup and self-check to minimize manual preparation.
- Real-time updating operation log, to ensure traceable operation records.
- Recording the conditions of QC, calibration, maintenance, temperature, etc.
- Automatic curve storage with historical recall & reuse.
- Comprehensive QC audits, electronic audit trail report with one-click.

