## SUNBIO 上海太阳生物



# **UR 8000 Automated Coagulation Analyzer**

SHANGHAI SUN BIOTECH CO.,LTD 2023.07.21 V1

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The world's first ultra-fast

900T/H constant throughput automated coagulation analyzer



World's fastest

Intelligent detection

Biosafety



#### Automated Coagulation Analyzer







#### ↑ World's Fastest

- The world's fastest single machine, constant throughput for PT/APTT/FIB/TT/DD: 900T/H;
   Combined throughput for five test items: 180S/H.
- 40 detection channels, each channel can be used for 3 detection methods: coagulation, immunoturbidimetry, chromogenic substrate assay.
- 2000 cuvettes can be loaded simultaneously, dump style adding cuvettes without system interruption.
- 56 tilted reagent positions with automatic barcode reading to identify reagent type, specification and number of usable tests, reducing the amount of reagent empty cavities.
- 72 independent incubation positions for batch pre-warming.
- Designed with 100 STAT positions.

#### ✓ Three Sample Feeding Options

- Front injection (100 sample positions)
- Front injection + side injection (100 sample positions + 400 sample positions)
- Front injection + track injection





#### Intelligent Detection

- Automatic APTT mixing study.
- Identify special samples before testing, including hemolysis, icterus, and lipemia samples, four wavelengths (405nm, 570nm, 660nm, 800nm) flexible exchange to reduce interference and improve test accuracy.
- Output reaction curves automatically to guide analysis of abnormal results.
- ♦ Connect to the UL-2000LAS laboratory automation system.

#### **Biosafety**

- 360° rotating barcode reading and cap-piercing without manual operation to improve biosafety.
- Test sample enclosed throughout the full process to reduce aerosol contamination.
- Equipped with a complete cleaning system to reduce bio-contamination.









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# Thrombus and hemostasis diagnostic reagents



## TEST MENU

Menu	Test	Method
Routine Screening	PT APTT FIB TT	Coagulation Method
Fibrinolytic System Detection	D-Dimer FDP	Immunoturbidimetry
Thrombosis Detection	Antithrombin III Protein C	Chromogenic Substrate Assa
	Protein S	Coagulation Method
Anticoagulation Therapy Detection	Anti-Xa	Chromogenic Substrate Assa
Coagulation Factor Detection	Intrinsic Factors (8\9\11\12) Extrinsic Factors (2\5\7\10) Factor 13	Coagulation Method
VWD Detection	VWF	Immunoturbidimetry
APS Detection	Lupus Anticoagulant (LA) Antiphospholipid Antibody (APA)	Coagulation Method

# TECHNICAL SPECIFICATION

Principle	Optical	
Analysis Method	Coagulation method, Chromogenic substrate assay, Immunoturbidimetry	
Light Source	LED cold light source, maintenance free(405nm/570nm/660nm/800nm)	
Reaction Curve	Available	
Data Storage	100,000 sample results and reaction curves	
Precision Management	Choose L-J management or X-bar management, day-to-day differen series, day-to-day difference binary quality control chart	
Cuvettes	2,000 pcs.	
Barcode Reader	With build-in barcode reading system in both sample and reagent position	
STAT	Priority testing in any sample position	
Micro Sampling	5μL	
Quality Control	X-bar control, L-J control and multi-rule quality control	
Calibration Curve	Automatic dilution setting, multi-point calibration curve, INR calibratio curve, calibration curve can be automatically switched	
Instrument Interface	With RS232 interface, connecting LIS/HIS	
Printer	Print through external printer	
Dimension	1965*835*1240mm (W×D×H)	
Weight	565kg	
Noise Level	< 85dB	
Power Supply	Voltage: 100-240V Frequency: 50-60Hz	
Operating Environment	Ambient temperature: 10-30°C Relative humidity: ≤80% Atmospheric pressure: 70-106kPa	