

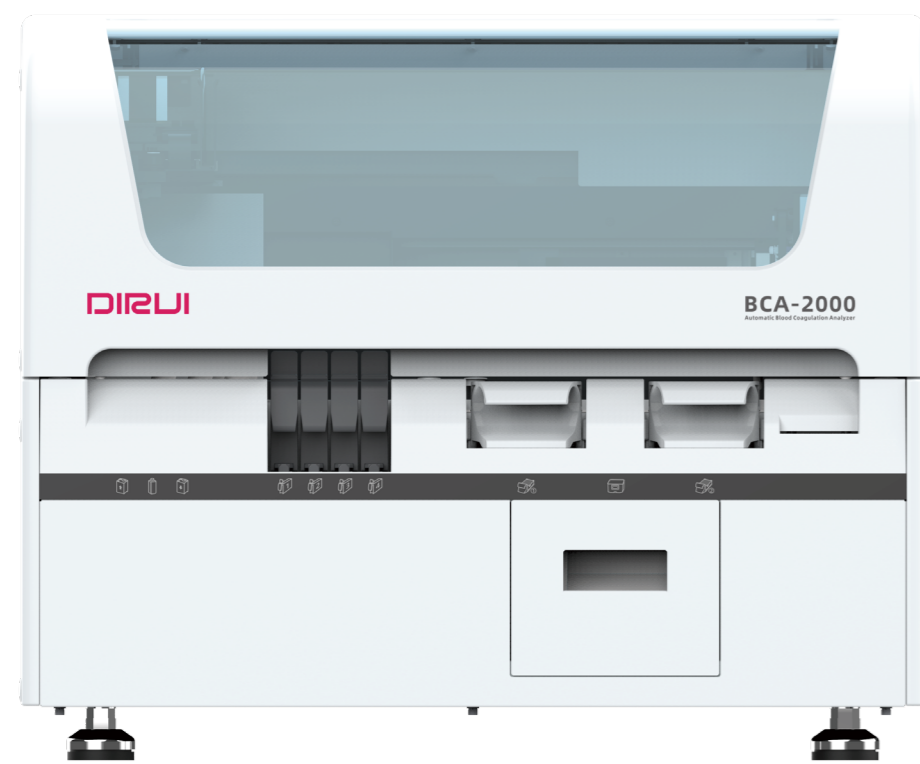
BCA-2000
Automatic Blood Coagulation Analyzer

BCA-2000

Automatic Blood Coagulation Analyzer

BCA-2000 automatic blood coagulation analyzer is a new generation of fully automatic coagulation analyzer, providing reliable results to meet the requirements of laboratory for thrombus and hemostasis testing.

- Small in size, aesthetic in appearance and multiple in function
- High efficiency, PT: 200 samples / hour
- Adopt the multi-light path coagulation analysis system with invention patent of DIRUI to realize dual wavelength detection
- Support user-defined review rules, no manual intervention is required, review automatically
- Truly realized STAT priority



A cost-effective choice of coagulation analysis automatic upgrading.
An excellent solution for small to medium sample volume laboratories

BCA-2000

Automatic Blood Coagulation Analyzer



INSTRUMENT SPECIFICATION

Basic characteristics	
Throughput	PT: 200 samples/hour
Test methods	Clotting assay, chromogenic substrate assay, immunoturbidimetric assay
Analysis system	
Incubation position	10 positions (Can be configured freely)
Test position	8 positions (4 standard+ 4 optional)
Cuvette capacity	72 positions (One-time loading)
Barcode recognition system	An external barcode scanner and an internal barcode scanner (Optional)
Sample system	
Sample volume	5 μ L ~ 500 μ L
Sample position	40 positions
Reagent system	
Reagent position	26 refrigerated reagent positions, 4 normal-temperature reagent positions
Reagent cooling positions temperature	$\leq 16^{\circ}\text{C}$
Reagent liquid level sensor	Integrated with probe
Data system	
Test results storage capacity	Not less than 30,000 pieces of data
Connection with LIS system	Bidirectional
Complete machine system	
Power consumption	300VA
Power supply	100/240V~, 50/60Hz
Outline dimensions	660mm \times 480mm \times 550mm(L \times W \times H)
Weight	About 100kg

DIRUI

DIRUI INDUSTRIAL CO., LTD.

3333 Yiju Street, New&High Tech. Development Zone Changchun, Jilin 130103, P.R.China
E-mail: marketing@dirui.com.cn Http://www.dirui.com.cn/en
Tel: +86(431)85083721

·Specifications subject to change without notice.
20240227

CE



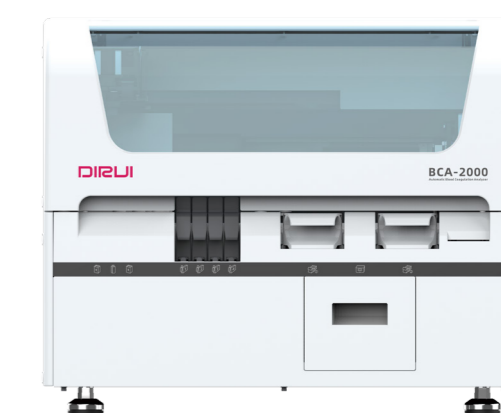
Wechat Official Account



COMPACT DESIGN, HIGH EFFICIENCY

BCA-2000

Automatic Blood Coagulation Analyzer



DIRUI

"3A" Traceability System

DIRUI instrument + DIRUI reagents + DIRUI calibrators and quality controls

Integrated traceability and quality assurance system, a new solution of coagulation analysis you expected.

User-defined test portfolio

- Option1: PT, APTT, TT, FIB
- Option2: PT, APTT, TT, FIB, D-Dimer
- Option3: PT, APTT, TT, FIB, D-Dimer, FDP, AT-III

Original calibrator & QC

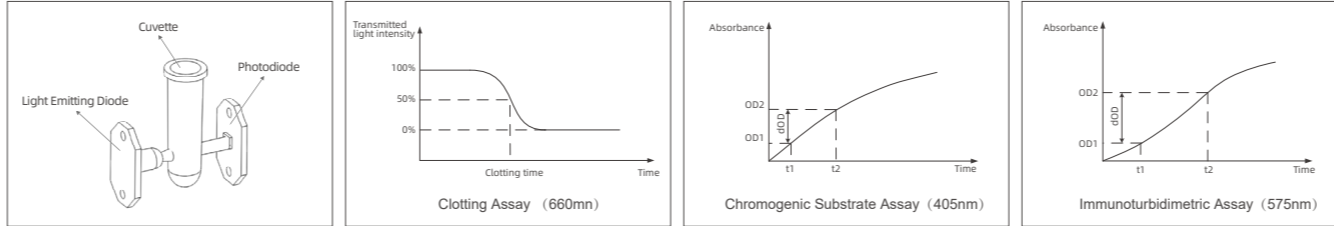
- Multi-Calibrator: PT, FIB, AT-III
- Multi-Control level 1 (normal QC): PT, APTT, TT, FIB, AT-III
- Multi-Control level 2: PT, APTT



PRODUCT FEATURES

Advanced detection principle

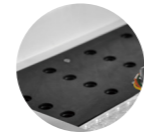
- Optical transmission principle



Compact Design, High Efficiency

Provide efficient testing speed while saving laboratory space

- Occupied area(m²):0.317
- Throughput (T/H): PT: 200 samples/hour
- Detection efficiency (Throughput/Area):630



Complete quality assurance system

Ensure to provide reliable test results

- Installed delivery: fully automatic position learning
- Before analysis: evaluation of anticoagulation ratio
- During analysis: multi-wavelength conversion and adaptive light intensity technology
- After analysis: the first and second derivative reference curves monitoring; automatic review



Convenient System

Significantly improve work efficiency and reduce the workload of operators

- Calibrator and QC auto registration by code scan
- Auto reconstitution and control
- APTT correction experiment
- Non-stop consumables replacement



Visual Interactive Interface

Better usability and operability, facilitate operators in arranging time reasonably

- Equal scale design: based on actual position
- Interface position: consistent with the instrument
- Reagent remaining /Testing real-time monitoring

CLINICAL APPLICATION

PT, APTT, FIB, TT are mandatory items before surgery for security warning and reducing risk. D-Dimer, FDP,AT-III etc. are widely performed in various department of hospital.



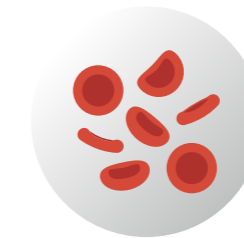
- Department of Cardiology
Myocardial infarct



- Department of Neurosurgery
Cerebral infarction



- Department of Infectious
Severe hepatitis



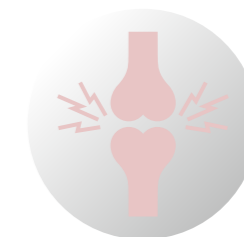
- Department of Hematology
vWD (von Willebrand disease)



- Department of Obstetric
DIC, vWD, Thrombophilia



- Department of Pediatrics
Coagulation factor deficiency



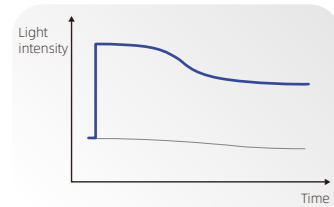
- Department of Rheumatology
Antiphospholipid thrombosis syndrome



- Department of General surgery
Routine preoperative tests, DVT, PE

BENEFITS

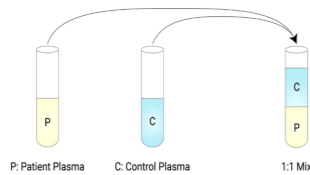
Innovative



Fast adaptive light intensity technology

Samples with low light transmission intensity automatically increase the light intensity and reduce the probability of no results.

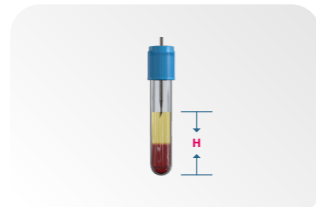
Convenient



APTT correction experiment

Support APTT correction experiment and support RI value.

Reliable



Liquid level detection function

Anticoagulant proportion test & prompt automatically.

Intelligent

Auto reconstitution	13:40	Auto control	13:00
Reagent		Reagent	14
Reagent		Reagent	
Reagent		Reagent	
Reagent		Reagent	
Reagent		Reagent	
Reagent		Reagent	
Reagent		Reagent	
Reagent		Reagent	
Reagent		Reagent	

Auto reconstitution and control

Fulfill auto reconstitution, avoid manual operation errors, and realize precise auto reconstitution, Complete automatic quality control process according to the set time.

Efficient



True continuous loading of consumable

On-board random loading reaction cuvette
On-board loading reagents when need
One click for detergent replacement.

Flexible



Truly realized STAT priority

Any STAT position, available for sample test at any time.