



**DIRUI**

# Product Catalogue »

[www.dirui.com.cn/en](http://www.dirui.com.cn/en)

# DIRUI



## C COMPANY PROFILE >>

Dirui Industrial Co., Ltd. (hereinafter referred to as "DIRUI", stock code: 300396), as a high-tech company held by China Resources Industrial Fund, was founded in Changchun, China in 1992. Today, DIRUI is one of the leading in vitro diagnostic companies in China held by state-owned enterprise.

Under the guidance of the company's "14th Five-Year" Plan, DIRUI has set up three major operation centers in Beijing, Wuhan and Chengdu to achieve high levels of market responsiveness and service, and two R&D centers in Changchun and Shenzhen to accelerate the product and technology output by complementing the strengths of the north and the south. With a whole industry chain of R&D, production, marketing and service of high-quality in vitro diagnostic products, DIRUI's R&D capabilities have always been at the forefront of the industry. DIRUI is one of the few companies in the industry that focuses on the development of both instruments and reagents.

DIRUI has been engaged in the IVD industry for more than 30 years with the adherence to the mission of "To Popularize Diagnostics and Benefit the Masses". By specializing in eight product lines including urinalysis, clinical chemistry, immunoassay, gynecological secretion, hematology, coagulation, molecular diagnostics, and integrated laboratory, DIRUI is able to provide comprehensive product solutions and services for medical laboratories. DIRUI's products have gained the trust of more than 14,000 medical institutions in China and users in more than 120 countries and regions around the world. All DIRUI people will strive for "Pioneering Excellence in the IVD Industry", shoulder the era responsibility of national diagnostic autonomy, and show the world the charm of China's smart manufacturing with excellent products.



CE

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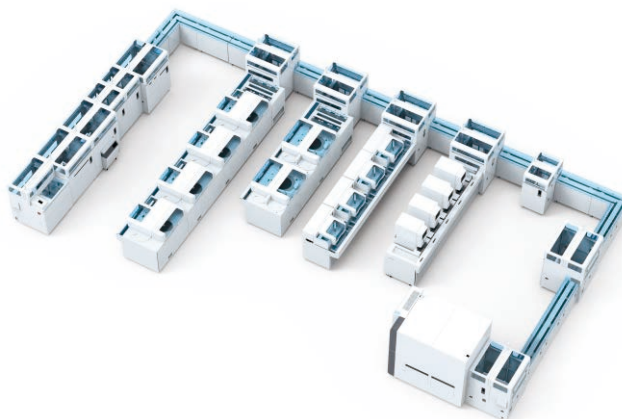
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# LA-60

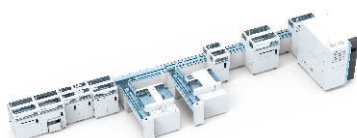
## Sample Processing System



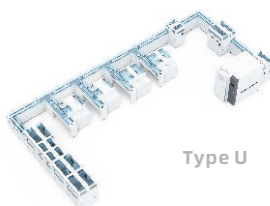
The LA-60 sample processing system, launched in the second quarter of 2021, its rich functions and powerful performance can effectively to reduce the TAT, optimize the testing process, enhance the detection capacity, and improve the overall working environment. It can support the connection with DIRUI's chemistry analyzer, chemiluminescence immunoassay analyzer, hematology analyzer and coagulation analyzer, flexibly customized according to the actual situation of users to meet the different needs and realize the real 'Lab Automation'.

### Product Features:

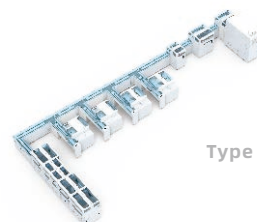
- ◎ Customized according to the actual situation, flexible and diverse.
- ◎ High throughput, overall processing capacity to 700 samples per hour.
- ◎ Fully automatic, no manual intervention in the testing process.
- ◎ Support disordered feeding.
- ◎ Abundant expansion units.
- ◎ User-friendly design software system.



Type I



Type U



Type L

- CS-2000/CS-2000i auto-chemistry analyzer
- CM-320/CM-320i/CM-640/CM-640i chemiluminescence immunoassay analyzer
- BF-7200/BF-7200Plus hematology analyzer
- BCA-3000/BCA-4000 coagulation analyzer



### **Bulk Input Module**

No more manually placing samples, just pour them all in and start testing right away.



### **Centrifuge Module**

No longer necessary to manually configure the balance, the instrument can handle it by itself, and the centrifugation process is fully automatic.



### **Serum Identification Module**

Independent optional module can be flexibly customized according to user needs, identify the quantity and quality of samples, and ensure the smooth progress of the test.



### **Aliquot Module**

Automatically generate secondary cups according to the items to be tested, automatically print, and paste barcodes, and use the disposable tip to avoid cross-contamination.

# CSM-9000 <sup>New</sup> Integrated System

## Two modules

Sample Unit + 1 Immunoassay module + 1 Biochemistry analysis module

Throughput: Immunoassay test: 640T/H

Biochemistry test: 2000T/H

Biochemistry test (with ISE unit): 2400T/H



DIRUI CSM-9000 is an Integrated System, which consists of 4 modules, including sample unit, ISE module, high throughput Chemistry module and the Immunoassay module. CSM-9000 can be assembled in different combinations, and also provides customized solution for different labs, which also supports the evolving need of labs in the future.

## Product Features:

- ◎ Ultra-high throughput:
  - Biochemistry module: 2000 tests/ hour/ module
  - ISE module: 400 tests/ hour/ module (optional)
  - Immunoassay module: 640 tests/ hour/ module
- ◎ Decapper module DM-8000 (Optional)
- ◎ High-throughput chemistry and immunology modules for longer walk-away time
- ◎ Abundant chemistry and immunoassay test panels
- ◎ Fully automatic design,user-friendly operation interface and intelligent software function

## Auxillary Reagent- Biochemistry analysis module

Product Name	Specification
CS-Anti-Bacterial Phosphor-Free Detergent	500 mL
CS-Alkaline Detergent	500 mL 2 L 5 L

## Auxillary Reagent- Immunoassay module

Product Name	Specification
Acid Trigger Reagent	500 mL
Alkaline Trigger Reagent	500 mL
Concentrated Washing Buffer	2 L
Probe Washing Buffer	20 mL 50 mL
Probe Conditioning Solution	2×15 mL 2×25 mL
RBC Folate Releasing Agent	30 mL

## NOTE:

RBC Folate Releasing Agent: Used with folic acid detection kit. The sample type of common folic acid kit is serum/plasma.  
With RBC Folate Releasing Agent, folic acid detection kit can be used to test whole blood sample.

# CSM-8000

## Integrated System

### Two modules

Sample Unit + 1 Immunoassay module + 1 Biochemistry analysis module

Throughput: Immunoassay test: 320T/H

Biochemistry test: 2000T/H

Biochemistry test (with ISE unit): 2400T/H



DIRUI CSM-8000 is an Integrated System, which consists of 4 modules, including sample unit, ISE module, Biochemistry analysis module and Immunoassay module. With different combinations, CSM-8000 can provide customized solutions to meet the current and future evolving needs of different customers.

### Product Features:

- ◎ Ultra-high throughput:
  - Biochemistry module: 2000 tests/ hour/ module
  - ISE module: 400 tests/ hour/ module (optional)
  - Immunoassay module: 320 tests/ hour/ module
- ◎ Support continuous reagent loading and unloading
- ◎ Support onboard whole blood hemolysis for HbA1c tests, improve the detection efficiency and accuracy
- ◎ Support bidirectional LIS communication

**Auxillary Reagent- Biochemistry analysis module**

Product Name	Specification
CS-Anti-Bacterial Phosphor-Free Detergent	500 mL
	500 mL
CS-Alkaline Detergent	2 L
	5 L

**Auxillary Reagent- Immunoassay module**

Product Name	Specification
Acid Trigger Reagent	500 mL
Alkaline Trigger Reagent	500 mL
Concentrated Washing Buffer	2 L
Probe Washing Buffer	20 mL
	50 mL
Probe Conditioning Solution	2×15 mL
	2×25 mL
RBC Folate Releasing Agent	30 mL

**NOTE:**

RBC Folate Releasing Agent: Used with folic acid detection kit. The sample type of common folic acid kit is serum/plasma.

With RBC Folate Releasing Agent, folic acid detection kit can be used to test whole blood sample.

# CM-640

## Chemiluminescence Immunoassay Analyzer

### 1 module

Throughput: 640T/H



### 2 modules

Throughput: 1280T/H



### 3 modules

Throughput: 1920T/H



### 4 modules

Throughput: 2560T/H



CM-640 Chemiluminescence Immunoassay Analyzer uses a modular design with a single module capable of a throughput of up to 640 T/H. The modular design allows a combination of 1 to 4 modules offering a maximum throughput of 2560T/H with each module capable of independent testing without any interference between modules.

#### Product Features:

- ◎ Throughput: 640T/H/module, maximum throughput is 2560T/H
- ◎ 620 sample positions, including 20 STAT positions
- ◎ 36 reagent positions, refrigerated at 2-8°C
- ◎ Uninterruptible loading of cuvettes with super large quantity of 1700 pcs loading at one time
- ◎ Internationally recognized mainstream technology
- ◎ High sensitivity, low reactant background with accurate test results.
- ◎ Can connect with CS-2000 chemistry analyzer

#### Auxillary Reagent

Product Name	Specification
Acid Trigger Reagent	1×500 mL
Alkaline Trigger Reagent	1×500 mL
Concentrated Washing Buffer	1×2 L
Probe Washing Buffer	20 mL 50 mL
Probe Conditioning Solution	2×15 mL 2× 25mL
RBC Folate Releasing Agent	1×30 mL

#### NOTE:

RBC Folate Releasing Agent: Used with folic acid detection kit. The sample type of common folic acid kit is serum/ plasma. With RBC Folate Releasing Agent, folic acid detection kit can be used to test whole blood sample.

# CM-320

## Chemiluminescence Immunoassay Analyzer

### 1 module

Throughput: 320T/H



### 2 modules

Throughput: 640T/H



### 3 modules

Throughput: 960T/H



### 4 modules

Throughput: 1280T/H



CM-320 is a modular design Chemiluminescence Immunoassay Analyzer, supports the integrated combination between same models or Chemistry analyzers, meet the needs of a variety of users and reduce manual workload.

**Product Features:**

- ◎ Product features: 320T/H/module, maximum throughput is 1280T/H
- ◎ One-time loading 600 samples & 1500 disposable cuvettes
- ◎ 20 STAT positions, STAT sample priority
- ◎ Sample unit automatic rotation function
- ◎ 36 reagent positions, 2-8 °C refrigeration, support continuous loading reagent
- ◎ Sample probe has functions of liquid level detection, bubble detection and collision detection
- ◎ Abundant reagent panels

**Auxillary Reagent**

Product Name	Specification
Acid Trigger Reagent	1×500 mL
Alkaline Trigger Reagent	1×500 mL
Concentrated Washing Buffer	1×2 L
Probe Washing Buffer	20 mL 50 mL
Probe Conditioning Solution	2×15 mL 2× 25mL
RBC Folate Releasing Agent	1×30 mL

**NOTE:**

RBC Folate Releasing Agent: Used with folic acid detection kit. The sample type of common folic acid kit is serum/ plasma. With RBC Folate Releasing Agent, folic acid detection kit can be used to test whole blood sample.

# CM-180

## Chemiluminescence Immunoassay Analyzer



CM-180 Chemiluminescence Immunoassay Analyzer is a benchtop type instrument. The throughput is up to 180 T/H. Adopting chemiluminescence immunoassay technology which can achieve reliable and accurate results.

### Product Features:

- ◎ Throughput: 180T/H
- ◎ Sample capacity: Maximum 90
- ◎ Reagent disk: 25 channels, reagent can be placed randomly

### Auxillary Reagent

Product Name	Specification
Acid Trigger Reagent	1×500 mL
Alkaline Trigger Reagent	1×500 mL
Concentrated Washing Buffer	1×1 L
Probe Washing Buffer	20 mL 50 mL
Probe Conditioning Solution	2×15 mL 2× 25mL
RBC Folate Releasing Agent	1×30 mL

### NOTE:

RBC Folate Releasing Agent: Used with folic acid detection kit. The sample type of common folic acid kit is serum/plasma. With RBC Folate Releasing Agent, folic acid detection kit can be used to test whole blood sample.

## Detection Kit

Panel	Product Name	Abb.	Specification	
Tumor Markers	Cancer Antigen 15-3 Detection Kit	CA15-3	50 tests/ Kit 100 tests/ Kit	
	Cancer Antigen 19-9 Detection Kit	CA19-9	50 tests/ Kit 100 tests/ Kit	
	Cancer Antigen 125 Detection Kit	CA125	50 tests/ Kit 100 tests/ Kit	
	Carcinoembryonic Antigen Detection Kit	CEA	50 tests/ Kit 100 tests/ Kit	
	Alpha-fetoprotein Detection Kit	AFP	50 tests/ Kit 100 tests/ Kit	
	Free Prostate Specific Antigen Detection Kit	f-PSA	50 tests/ Kit 100 tests/ Kit	
	Total Prostate Specific Antigen Detection Kit	t-PSA	50 tests/ Kit 100 tests/ Kit	
	Pepsinogen I Detection Kit	PG I	50 tests/ Kit 100 tests/ Kit	
	Pepsinogen II Detection Kit	PG II	50 tests/ Kit 100 tests/ Kit	
	Cancer Antigen 72-4 Detection Kit	CA72-4	50 tests/ Kit 100 tests/ Kit	
	Neuron-specific Enolase Detection Kit	NSE	50 tests/ Kit 100 tests/ Kit	
	Cytokeratin 19 Fragments Detection Kit	CYFRA21-1	50 tests/ Kit 100 tests/ Kit	
	Cancer Antigen 242 Detection Kit	Ca242	50 tests/ Kit 100 tests/ Kit	
	Cancer Antigen 50 Detection Kit	CA50	50 tests/ Kit 100 tests/ Kit	
	PIVKA-II Detection Kit	PIVKA- II	50 tests/ Kit 100 tests/ Kit	
	Sangtec-100 Detection Kit	S-100	50 tests/ Kit 100 tests/ Kit	
	Human Epididymal Protein 4 Detection Kit	HE4	50 tests/ Kit 100 tests/ Kit	
	Squamous Cell Carcinoma Antigen Detection Kit	SCC	50 tests/ Kit 100 tests/ Kit	
	Thyroid	Triiodothyronine Detection Kit	T3	50 tests/ Kit 100 tests/ Kit
		Free Triiodothyronine Detection Kit	FT3	50 tests/ Kit 100 tests/ Kit
Thyroxine Detection Kit		T4	50 tests/ Kit 100 tests/ Kit	
Free Thyroxine Detection Kit		FT4	50 tests/ Kit 100 tests/ Kit	
Thyroid Stimulating Hormone Detection Kit		TSH	50 tests/ Kit 100 tests/ Kit	
Thyroglobulin Detection Kit		TG	50 tests/ Kit 100 tests/ Kit	

## Detection Kit

Panel	Product Name	Abb.	Specification	
Thyroid	Antibodies to Thyroglobulin Detection Kit	A-TG	50 tests/ Kit 100 tests/ Kit	
	Antibodies to Thyroid Peroxidase Detection Kit	A-TPO	50 tests/ Kit 100 tests/ Kit	
	Thyrotropin Receptor Antibody Detection Kit	TRAb	50 tests/ Kit 100 tests/ Kit	
	Reverse Triiodothyronine Detection Kit	rT3	50 tests/ Kit 100 tests/ Kit	
Fertility	Prolactin Detection Kit	PRL	50 tests/ Kit 100 tests/ Kit	
	Follicle Stimulating Hormone Detection Kit	FSH	50 tests/ Kit 100 tests/ Kit	
	Progesterone Detection Kit	P	50 tests/ Kit 100 tests/ Kit	
	Estradiol Detection Kit	E2	50 tests/ Kit 100 tests/ Kit	
	Luteinizing Hormone Detection Kit	LH	50 tests/ Kit 100 tests/ Kit	
	Testosterone Detection Kit	T	50 tests/ Kit 100 tests/ Kit	
	Beta-Human Chorionic Gonadotropin Detection Kit	β-HCG	50 tests/ Kit 100 tests/ Kit	
	17α-Hydroxyprogesterone Detection Kit	17α-OHP	50 tests/ Kit 100 tests/ Kit	
	Dehydroepiandrosterone Sulfate Detection Kit	DHEA-S	50 tests/ Kit 100 tests/ Kit	
	Human Pregnancy Associated Plasma Protein A Detection Kit	PAPP-A	50 tests/ Kit 100 tests/ Kit	
	Human Sex Hormone-binding Globulin Detection Kit	SHBG	50 tests/ Kit 100 tests/ Kit	
	Anti-Mullerian Hormone Detection Kit	AMH	50 tests/ Kit 100 tests/ Kit	
	Inhibin B Detection Kit	Inhibin B	50 tests/ Kit 100 tests/ Kit	
	Free Beta-Human Chorionic Gonadotropin Detection Kit	F-β-HCG	50 tests/ Kit 100 tests/ Kit	
	Cardiac Marker	Myoglobin Detection Kit	MYO	50 tests/ Kit 100 tests/ Kit
		Cardiac Troponin I Detection Kit	cTn I	50 tests/ Kit 100 tests/ Kit
		Creatine Kinase MB Detection Kit	CK-MB	50 tests/ Kit 100 tests/ Kit
		B-type Natriuretic Peptide Detection Kit	BNP	50 tests/ Kit 100 tests/ Kit
	Metabolism	Insulin Detection Kit	Ins	50 tests/ Kit 100 tests/ Kit

## Detection Kit

Panel	Product Name	Abb.	Specification
Metabolism	C-Peptide Detection Kit	C-P	50 tests/ Kit 100 tests/ Kit
	Human Growth Hormone Detection Kit	GH	50 tests/ Kit 100 tests/ Kit
	Insulin Antibody Detection Kit	IAA	50 tests/ Kit 100 tests/ Kit
Bone Metabolism	Bone Glaprotein Detection Kit	BGP	50 tests/ Kit 100 tests/ Kit
	25-Hydroxyvitamin D Detection Kit	25-OH Vitamin D	50 tests/ Kit 100 tests/ Kit
	Calcitonin Detection Kit	CT	50 tests/ Kit 100 tests/ Kit
	Intact Parathormone Detection Kit	iPTH	50 tests/ Kit 100 tests/ Kit
Hypertension & Renal Function	Human Cortisol Detection Kit	Cortisol	50 tests/ Kit 100 tests/ Kit
	Renin Detection Kit	Renin	50 tests/ Kit 100 tests/ Kit
	Adrenocorticotropic Hormone Detection Kit	ACTH	50 tests/ Kit 100 tests/ Kit
	$\beta$ 2-Microglobulin Detection Kit	$\beta$ 2-MG	50 tests/ Kit 100 tests/ Kit
	Aldosterone Detection Kit	ALD	50 tests/ Kit 100 tests/ Kit
Hepatic Fibrosis	Collagen Type IV Detection Kit	C IV	50 tests/ Kit 100 tests/ Kit
	Human Hyaluronic Acid Detection Kit	HA	50 tests/ Kit 100 tests/ Kit
	N-terminal Peptide of Type III Procollagen Detection Kit	PIIINP	50 tests/ Kit 100 tests/ Kit
	Human Laminin Detection Kit	LN	50 tests/ Kit 100 tests/ Kit
Inflammation	Procalcitonin Detection Kit	PCT	50 tests/ Kit 100 tests/ Kit
	Human Interleukin-6 Detection Kit	IL-6	50 tests/ Kit 100 tests/ Kit
	Serum Amyloid A Protein Detection Kit	SAA	50 tests/ Kit 100 tests/ Kit
	Hypersensitive C-reactive Protein Detection Kit	HS-CRP	50 tests/ Kit 100 tests/ Kit
Anemia	Ferritin Detection Kit	FER	50 tests/ Kit 100 tests/ Kit
	Folic Acid Detection Kit	Folate	50 tests/ Kit 100 tests/ Kit
	Vitamin B12 Deteciton Kit	Vb12	50 tests/ Kit 100 tests/ Kit

## Detection Kit

Panel	Product Name	Abb.	Specification
Infectious	Antibody to Hepatitis B Virus Core Antigen Detection Kit	*Anti-HBc	50 tests/ Kit 100 tests/ Kit
	Antibody to Hepatitis B Virus e Antigen Detection Kit	*Anti-HBe	50 tests/ Kit 100 tests/ Kit
	Antibody to Hepatitis B Virus Surface Antigen Detection Kit	*Anti-HBs	50 tests/ Kit 100 tests/ Kit
	Antibody to Hepatitis C Virus Detection Kit	*Anti-HCV	50 tests/ Kit 100 tests/ Kit
	Hepatitis B Virus e Antigen Detection Kit	*HBeAg	50 tests/ Kit 100 tests/ Kit
	Hepatitis B Virus Surface Antigen Detection Kit	*HBsAg	50 tests/ Kit 100 tests/ Kit
	Treponema Pallidum Antibody Detection Kit	Anti-TP	50 tests/ Kit 100 tests/ Kit
	Human Immunodeficiency Virus Detection Kit	*HIV Ag+Ab	50 tests/ Kit 100 tests/ Kit
	IgM Antibody to Hepatitis B Core Antigen	*Anti-HBc IgM	50 tests/ Kit 100 tests/ Kit

**NOTE:**

1. "\*"Items are without CE;
2. The reagents above are suitable for all DIRUI CLIA instruments.

## CS-2000-10 <sup>New</sup> Auto-Chemistry Analyzer

Throughput: 2000 T/H

2400 T/H(with ISE unit)



## CS-2000-20 Auto-Chemistry Analyzer

Throughput: 4000 T/H

4800 T/H(with 2 ISE units)



## CS-2000-30 Auto-Chemistry Analyzer

Throughput: 6000 T/H

7200 T/H(with 3 ISE units)



## CS-2000-40 Auto-Chemistry Analyzer

Throughput: 8000 T/H

9600 T/H(with 4 ISE units)



**CS-2000, a new generation Auto-Chemistry Analyzer, inherits DIRUI's advanced technology and excellent quality.**

**Modular design, with optional ISE units, the maximum throughput reaches 9600T/H. Sample track system with basket type loading and sample disk in the same time, meet the needs of various sample loading requirements. Higher efficient and accuracy, providing excellent user experience with low cost.**

**Product Features:**

- ◎ Intelligent and flexible modular design
- ◎ 2000 T/H for single module colorimetric throughput, combined 4 ISE units up to 9600 tests/hour
- ◎ Advanced holographic concave flat field grating with 16 wavelengths
- ◎ New sample track, basket type loading, and whole batch transfer designs realize more convenient and safe
- ◎ Special design track, rapid response
- ◎ Intelligent functions meet clinical requirements

**Chemistry Detergent**

Description	Specification
CS-Anti-Bacterial Phosphor-Free Detergent(N)	500 mL/ bottle
CS-Alkaline Detergent(N)	500 mL/ bottle 2 L/ barrel 5 L/ barrel



## CS-1600 Auto-Chemistry Analyzer

### Product Features:

- ◎ Modular design, up to four modules connection
- ◎ The throughput of single module can reach 1600T/H, with an ISE unit, it can realize 1760T/H
- ◎ Available to connected with the CM-320 Chemiluminescence Immunoassay Analyzer and LA-60 Sample Processing System
- ◎ Two reagent disks with refrigeration function, 134 reagent positions
- ◎ New sample units with 620 sample positions, automatic rotation of the sample rack, saving the preparation time



## CS-1300A Auto-Chemistry Analyzer

### Product Features:

- ◎ Throughput: 900T/H for colorimetric test and 1260 T/H with ISE unit
- ◎ Reagent capacity: 2 refrigerated reagent disks with 2-8°C storage, 180 reagent positions
- ◎ Sample capacity: 145 positions on sample disk with barcode scanning function.
- ◎ QC disk capacity: 25 positions on high configuration analyzer with Auto-QC function, 2-8°C refrigeration; 50 positions on middle configuration analyzer, 4-12°C refrigeration
- ◎ Reaction disk: 160 UV plastic cuvettes, 9 steps automatic rinsing system.
- ◎ Minimum sample aspiration volume only 1 ul, reaction volume 70ul-450ul, cost saving
- ◎ Whole blood on-board hemolysis HbA1c test function
- ◎ Real time water quality monitoring function, provide accurate ion detection results



## CS-1300B Auto-Chemistry Analyzer

### Product Features:

- ◎ Fully automatic, random access
- ◎ Throughput is 900T/H for colorimetric test and 1260 T/H with ISE unit
- ◎ 2 refrigerated reagent compartments, 132 reagent positions with extra 2 Anti-Bacteria Phosphor-Free Detergent positions
- ◎ 8 stops 12 steps automatic rinsing system
- ◎ LIS interface, support the bidirectional communication
- ◎ Sample probe automatic clot detection, liquid level detection and collision protection function
- ◎ Whole blood on-board hemolysis HbA1c test function



## CS-1200 Auto-Chemistry Analyzer

### Product Features:

- ◎ Fully automatic, random access
- ◎ Throughput is 800 T/H and 1260 T/H with ISE unit
- ◎ 2 refrigerated reagent compartments, 134 reagent positions
- ◎ 8 stops 12 steps automatic rinsing system
- ◎ LIS interface, support the bidirectional communication
- ◎ Sample probe automatic clot detection, liquid level detection and collision protection function
- ◎ Whole blood on-board hemolysis HbA1c test function



## CS-680 Auto-Chemistry Analyzer

### Product Features:

- ◎ Throughput is 600T/H for photometric test and 400 T/H for ISE test
- ◎ Automatic hemolysis for HbA1c with whole blood tests
- ◎ Intelligent and convenient design



## CS-480 Auto-Chemistry Analyzer

### Product Features:

- ◎ Throughput is 400T/H for photometric test and 400 T/H for ISE unit
- ◎ Automatic hemolysis for HbA1c with whole blood tests
- ◎ Intelligent and convenient design



## CS-T240Plus

### Auto-Chemistry Analyzer

#### Product Features:

- ◎ A powerful desktop analyzer, constant-speed 240 T/H .
- ◎ Optional ISE unit, maximum 480 T/H .
- ◎ Whole blood test for HbA1c, more accurate result.
- ◎ Water consumption is only 4.1L/H .
- ◎ Low minimum reaction volume, saving reagents.
- ◎ “Water quality check” function, reliable results.



## CS-T180

### Auto-Chemistry Analyzer

#### Product Features:

- ◎ Throughput: 180 T/H for photometric test and 540T/H with ISE unit
- ◎ Large capacity with flexible setting position, 40-80sample positions and 40-80 reagent positions
- ◎ Whole blood on-board hemolysis HbA1c test function, water quality monitoring function and bubble detection function
- ◎ Low water consumption: less than 3L
- ◎ Minimum reaction volume: 100µl
- ◎ Compact design, the size can fit all levels labs
- ◎ Air bath for incubation

## DR-7000D

### Semi-Automatic Chemistry Analyzer



DR-7000D, the semi-automatic chemistry analyzer, popular among laboratories with low sample volume, adopting compact design, easy to operate and require less maintenance.

#### Product Features:

- ◎ LCD screen display and key board operation
- ◎ Optical system using the improved interference filter
- ◎ English operation interface, real time measurement and display of absorbance curve, and available curve amplification function
- ◎ Built in thermal printer and external stylus printer interface
- ◎ Quartz material flow cell

## Chemistry Quality Control &amp; Calibrator

Description	Specification
Clinical Chemical Calibration Serum Level 1	5 mL
Clinical Chemical Quality Control Serum Level 1	5 mL
Clinical Chemical Quality Control Serum Level 2	5 mL
Specific Protein Control Serum Level 1	1x1 mL
Specific Protein Control Serum Level 2	1x1 mL
Lipid Control Serum Level 1	1x1 mL
Lipid Control Serum Level 2	1x1 mL

## ISE Reagent

Description	Specification
ISE Standard Solution HIGH	1x10mL
ISE Standard Solution LOW	1x10mL
ISE Standard Solution HIGH	3x10mL
ISE Standard Solution LOW	3x10mL
ISE Blood Sample Calibrator	freeze-dried powder0.18gx1 dissolved liquid 4 mLx1
ISE Blood Sample Calibrator	freeze-dried powder0.18gx5 dissolved liquid 4 mLx5
ISE Blood Quality Control HIGH	freeze-dried powder0.18gx1 dissolved liquid 4 mLx1
ISE Blood Quality Control LOW	freeze-dried powder0.18gx1 dissolved liquid 4 mLx1
ISE Blood Quality Control HIGH	freeze-dried powder0.18gx5 dissolved liquid 4 mLx5
ISE Blood Quality Control LOW	freeze-dried powder0.18gx5 dissolved liquid 4 mLx5
CS-ISE Detergent	100 mL / bottle
ISE Reference Solution	2L / barrel
ISE Internal Standard Solution	2L / barrel
ISE Diluent	2L / barrel
ISE Urine Calibrator (Level 1, 2, 3, 4)	each 1x5mL
ISE Urine Quality Control (Level 1, 2, 3)	each 1x5mL

## Chemistry Detergent

Description	Specification
CS-Anti-Bacterial Phosphor-Free Detergent	500 mL / bottle
	500 mL / bottle
CS-Alkaline Detergent	2 L / barrel
	5 L / barrel

## Chemistry Reagent List

Panel	Full name	Abbr	Method
Hepatic	5'-Nucleotidase Reagent Kit	5'-NT	Enzyme Method
	A-L-Fucosidase Reagent Kit	AFU	CNPF Substrate Method
	γ-Glutamyl Transferase Reagent Kit	GGT	IFCC Method
	Albumin Reagent Kit	ALB	Bromcresol Green Method
	Alanine Aminotransferase Liquid Kit	ALT	IFCC Method
	Monoamine Oxidase Reagent Kit	MAO	Glutamate Dehydrogenase Assay
	Cholinesterase Reagent Kit	CHE	Butyryl Thiocholine Substrate Method
	Glycylproline Depeptidyl Aminopeptidase Reagent Kit	GPDA	P-nitroaniline Assay
	Cholyglycine Reagent Kit	CG	Homogeneous Enzyme Immunoassay
	Glutamate Dehydrogenase Reagent Kit	GLDH	The improved DGKC method
	Alkaline Phosphatase Reagent Kit	ALP	IFCC Method
	Leucine Aminopeptidase Reagent Kit	LAP	Substrate Hydrolysis
	Prealbumin Reagent Kit	PA	Immunoturbidimetric Assay
	Aspartate Aminotransferase Reagent Kit	AST	IFCC Method
	Mitochondrial Aspartate Aminotransferase Reagent Kit	m-AST	Immuno inhibition
	Fibrin (Fibrinogen) Degradation Products Detection Kit	FDP	Latex Enhanced Immunoturbidimetric Assay
	Adenosine Deaminase Reagent Kit	ADA	Enzyme Method
	Isocitrate Dehydrogenase Reagent Kit	ICDH	The Substrate Method
	Direct Bilirubin Reagent Kit	DB	Diazo salt method
	Direct Bilirubin Kit	DB-V	Vanadate oxidation method
	Direct Bilirubin Reagent Kit	DBIL	Diazo salt method
	Total Bilirubin Reagent Kit	TB	Surfactant/Diazo Salt Method
	Total Bilirubin Kit	TB-V	Vanadate Oxidation Method
	Total Bilirubin Reagent Kit	TBIL	Surfactant/Diazo Salt Method
Bile Acid Reagent Kit	TBA	Enzymatic Cycling Method	
Total Protein Reagent Kit	TP	Biuret Method	
Renal	N-Acetyl-β-D-Glucosaminidase Reagent Kit	NAG	MPT-NAG Method
	α1-Microglobulin Reagent Kit	α1-MG	Latex Enhanced Immunoturbidimetric Assay
	β2-Microglobulin Reagent Kit	β2-MG	Latex Enhanced Immunoturbidimetric Assay
	Cystatin C Reagent Kit	CYS-C	Latex Enhanced Immunoturbidimetric Assay
	Creatinine Reagent Kit	CRE-E	Enzyme Method
	Urinary Immunoglobulin G Reagent Kit	uIgG	Immunoturbidimetric Assay
	Urea Reagent Kit	UREA	Enzyme Method
	Uric Acid Reagent Kit	UA	Uricase Method
	Microalbumin Reagent Kit	MALB	Immunoturbidimetric Assay
	Total Protein In Urine Reagent Kit	TPU	Turbidimetric Method
	Retinol-Binding Protein Reagent Kit	RBP	Latex Enhanced Immunoturbidimetric Assay
	Neutrophil Gelatinase-Associated Lipocalin Reagent Kit	NGAL	Latex Enhanced Immunoturbidimetric Assay
Urinary Transferrin Reagent Kit	uTRF	Latex Immunoturbidimetric Assay	
Diabetes	β-Hydroxybutyrate Reagent Kit	β-HB	β-hydroxybutyrate Dehydrogenase Assay
	Fructosamine Reagent Kit	FMN	Nitrotetrazolium-Blue Reduction Method
	Glucose Reagent Kit	GLU-HK	Hexokinase method
	Glucose Reagent Kit	GLU-OX	Glucose oxidase method
	Glycated Albumin Reagent Kit	GA	Ketamine Oxidase Method
	Glycohemoglobin A 1c Reagent Kit	HbA1c	Latex agglutination method
	Glycohemoglobin A 1c Reagent Kit	HbA1c-S	Immune Agglutination Method
Lactate Reagent Kit	LAC	Lactate Oxidase Based Method	
Lipid	Cholesterol Reagent Kit	TC	Enzyme Method
	Low Density Lipoprotein Cholesterol Reagent Kit	LDL-C	Direct Method
	Triglycerides Reagent Kit	TG	Oxidase Method

## Chemistry Reagent List

Panel	Full name	Abbr	Method
Lipid	High Density Lipoprotein Cholesterol Reagent Kit	HDL-C	Direct Method
	Phospholipid Reagent Kit	PL	Choline Oxide Assay
	Free Fatty Acid Reagent Kit	FFA	ACS-ACOD Method
	Apolipoprotein A1 Reagent Kit	APO A1	Immunoturbidimetric Assay
	Apolipoprotein A2 Reagent Kit	APO A2	Immunoturbidimetric Assay
	Apolipoprotein B Reagent Kit	APO B	Immunoturbidimetric Assay
	Apolipoprotein C2 Reagent Kit	APO C2	Immunoturbidimetric Assay
	Apolipoprotein E Reagent Kit	APO E	Immunoturbidimetric Assay
	Lipoprotein	Lp(a)	Latex Enhanced Immunoturbidimetric Assay
Trace elements and electrolytes	Apolipoprotein C3 Reagent Kit	APO C3	Immunoturbidimetric Assay
	Carbon Dioxide Reagent Kit	CO <sub>2</sub>	Enzyme Method
	Calcium Reagent Kit	Ca-ARS	Arsenazo III Method
	Calcium Reagent Kit	Ca-CPC	Cresolphthalein Complexone Method
	Potassium Reagent Kit	K	Pyruvate Kinase Assay
	Chloride Reagent Kit	Cl	Thiocyanate method
	Magnesium Reagent Kit	Mg	Xylidyl Blue Method
	Sodium Reagent Kit	Na	Galactosidase Assay
	Fe Reagent Kit	Fe	FERENE Method
	Copper Reagent Kit	Cu	Colorimetric Method
Specific protein	Inorganic Phosphorus Reagent Kit	PHOS	Direct UV Method
	Zinc Reagent Kit	Zn	Colorimetric Method
	C-Reactive Protein Reagent Kit	CRP	Latex Enhanced Immunoturbidimetric Assay
	α1-Antitrypsin Reagent Kit	AAT	Immunoturbidimetric Assay
	α1-Acid Glycoprotein Reagent Kit	AAG	Immunoturbidimetric Assay
	A2-Macroglobulin Reagent Kit	α2-MG	Immunoturbidimetric Assay
	κ light chain Reagent Kit	KAP	Immunoturbidimetric Assay
	λ light chain Reagent Kit	LAM	Immunoturbidimetric Assay
	Complement3 Reagent Kit	C3	Immunoturbidimetric Assay
	Complement4 Reagent Kit	C4	Immunoturbidimetric Assay
	High Sensitivity C-Reactive Protein Kit	HS-CRP	Latex Enhanced Immunoturbidimetric Assay
	Anti-Streptolysin O Kit	ASO	Latex Enhanced Immunoturbidimetric Assay
	Rheumatoid Factor Kit	RF	Latex Enhanced Immunoturbidimetric Assay
	Immunoglobulin A Kit	IgA	Immunoturbidimetric Assay
	Immunoglobulin G Kit	IgG	Immunoturbidimetric Assay
	Immunoglobulin M Kit	IgM	Immunoturbidimetric Assay
	Pancreatitis	C-Reactive Protein Reagent Kit	CRP
Amylase Reagent Kit		AMY	IFCC Method
Pancreatic Amylase Reagent Kit		P-AMY	Enzymatic Colorimetric
Inflammation	Lipase Reagent Kit	LPS	Colorimetric Method
	Procalcitonin Reagent Kit	PCT	Latex Enhanced Immunoturbidimetric Assay
	Serum Amyloid A Protein Reagent Kit	SAA	Latex Enhanced Immunoturbidimetric Assay
Cardiovascular disease	D-Dimer Detection Kit	D-Dimer	Latex Enhanced Immunoturbidimetric Assay
	A-Hydroxybutyric Dehydrogenase Reagent Kit	HB DH	DGKC Method
	Cardiac Troponin I Reagent Kit	cTnI	Latex Enhanced Immunoturbidimetric Assay
	Myoglobin Reagent Kit	Mb	Latex Enhanced Immunoturbidimetric Assay
	Creatine Kinase Mb Isoenzyme Reagent Kit	CK-MB	Immuno-inhibition
Creatine Kinase Reagent Kit	CK	IFCC Method	

## Chemistry Reagent List

Panel	Full name	Abbr	Method
Cardiovascular disease	Ischemic Modified Albumin Reagent Kit	IMA	ACB Method
	Lactate Dehydrogenase Reagent Kit	LDH	The Substrate Method
	Lactate Dehydrogenase Isoenzyme 1 Reagent Kit	LDH1	Chemical Inhibition Assay
	Myeloperoxidase Reagent Kit	MPO	Latex Enhanced Immunoturbidimetric Assay
	Homocysteine Reagent Kit	HCY	Enzymatic Cycling Method
Anemia	Heart Fatty Acid-Binding Protein Reagent Kit	H-FABP	Latex Enhanced Immunoturbidimetric Assay
	Tranferrin Reagent Kit	TRF	Immunoturbidimetric Assay
	Total Iron-Binding Capacity Reagent Kit	TIBC	FERENE Method
	Ferritin Reagent Kit	FER	Latex Enhanced Immunoturbidimetric Assay
	Haptoglobin Reagent Kit	HP	Immunoturbidimetric Assay
Other	Anti-Cyclilc Citrullinated Peptide Antibodies Reagent Kit	CCP	Latex Enhanced Immunoturbidimetric Assay
	Super Oxide Dismutase Reagent Kit	SOD	Pyrogallol Substrate Assay
	Glutathione Reductase Reagent Kit	GRS	Glutathione Substrate Assay
	Pyruvate Reagent Kit	PYR	Lactate Dehydrogenase Assay
	Sialic Acid Reagent Kit	SA	Lactate Dehydrogenase Assay

# BCA-4000 <sup>New</sup>

## Automatic Blood Coagulation Analyzer

### 1 module

Throughput: 400T/H (PT)



### 2 modules

Throughput: 800T/H (PT)



### 3 modules

Throughput: 1200T/H (PT)



### 4 modules

Throughput: 1600T/H (PT)



BCA-4000 Automatic Blood Coagulation Analyzer is a solution to high sample volume laboratories. It is a speed-enhanced product developed based on the BCA-3000 platform, a single module of BCA-4000 can reach the PT test throughput at 400T/H. It adopts modular design, supports various combination ways, such as single-machine, island assembly, and integrated connection. The PT test throughput of combined 4 modules is up to 1600T/H.

One module equipped with 80 sample positions, 5 independent STAT positions, 4 room temperature reagent positions and 54 Refrigerated reagent positions. Cuvette loading capacity is 1000pcs.

**Product Features:**

- ◎ PT throughput: 400 T/H/module, the overall detection speed has significantly improved, can quickly complete batch testing and emergency testing.
- ◎ The HIL monitoring function indicated whether the test results were disturbed by Hemolysis sample, lipemia sample, icterus sample.
- ◎ Automatic detection of sample volume and prompt early warning, evaluate the anticoagulation ratio.
- ◎ Reagent position is tilted design, reduce the amount of dead space of reagents, save reagent costs.
- ◎ The waveform of the solidification curve changes, provide evidence for abnormal results.
- ◎ The cap piercing function feature prevents operator contact with specimens, enhancing biosafety.
- ◎ The innovative in-machine automatic reconstitution feature for quality control products ensures standardized reconstitution.
- ◎ The reaction cup can be added unordered and supports non-stop loading.

## BCA-3000

### Automatic Blood Coagulation Analyzer

#### 1 module

Throughput: 300T/H (PT)



#### 2 modules

Throughput: 600T/H (PT)



#### 3 modules

Throughput: 900T/H (PT)



#### 4 modules

Throughput: 1200T/H (PT)



DIRUI BCA-3000 Automatic Blood Coagulation Analyzer, a elite of the total laboratory automation, set laboratories free from tedious manual operation, realizing full-automatic test. Modular design with relatively independent modules helps with the stability of the system as well as the maintenance. Duel reagent probe design improves the test efficiency significantly.

One module equipped with 80 sample positions, 5 independent STAT positions, 4 room temperature reagent positions and 42 refrigerated reagent positions, a single module of BCA-3000 can reach the PT test throughput at 300T/H. Modular design tailored for various combinations, with maximum PT test throughput up to 1200T/H.

**Product Features:**

- ◎ Modular design, 4 modules combination maximum
- ◎ Throughput: Up to 1200T/H for 4 modules
- ◎ 5 independent STAT positions on each module
- ◎ Support cap piercing function
- ◎ 42 refrigeration reagent positions, 4 room temperature reagent positions
- ◎ At most 80 samples can be placed simultaneously

# BCA-2000 <sup>New</sup>

## Automatic Blood Coagulation Analyzer



BCA-2000 Automatic Blood Coagulation Analyzer is an excellent solution to small and medium sample volume laboratories with comprehensive functions.

Adopting DIRUI's patented multi-light path coagulation analysis system to achieve dual wavelength detection.

PT throughput is up to 200 T/H. It has 40 sample positions, 4 room temperature reagent positions and 26 refrigerated reagent positions, 10 incubation positions.

It is small in size, aesthetic in appearance, has comprehensive quality assurance system to ensure the accuracy of test results, along with a convenient operation system that simplifies the test process.

### Product Features:

- ◎ Compact design, high efficiency: PT throughput is up to 200 T/H , Occupied area is only 0.317m<sup>2</sup>.
- ◎ Complete quality assurance system: covers the entire stages of the testing process.
- Installation and delivery: fully automatic position learning
- Pre-analysis: specimen volume verification function assesses anticoagulant ratio
- During analysis: multi-wavelength conversion and adaptive light intensity technology
- Post-analysis: the first and second derivative reference curves monitoring; automatic review
- ◎ Convenient operation system:
  - Calibrator and QC auto registration by QR code scanning
  - Automatic reconstitution of quality control and calibrator, automatic quality control and timing quality control
  - APTT correction experiment
  - Non-stop consumables replacement
- ◎ Visual interactive interface:
  - Equal scale design: based on actual position
  - Interface position : consistent with the instrument
  - Real-time monitoring of reagent remaining and test status

## Reagent List

Product Name	Specification
Prothrombin Time Detection Kit (PT)	10×2 mL
	10×5 mL
Activated Partial Thromboplastin Time Detection Kit (APTT)	APTT Ellagic acid reagent: 10×2 mL; Calcium Chlorid: 1×51 mL
	APTT Ellagic acid reagent: 10×5 mL; Calcium Chlorid: 1×51 mL
Thrombin Time Detection Kit (TT)	10×2 mL
	10×5 mL
	10×10 mL
Fibrinogen Detection Kit (FIB)	FIB Liquid reagent: 10×2 mL, OVB Buffer Solution 2×51 mL;
	FIB Liquid reagent: 10×5 mL, OVB Buffer Solution 2×51 mL;
	FIB Liquid reagent: 10×10 mL, OVB Buffer solution: 4×51 mL
Antithrombin III (ATIII)	R1: 2×5 mL, R2: 1×2 mL, R1 Reconstitution Fluid: 1×15mL, OVB Buffer Solution: 1×51mL
	R1: 6×5 mL, R2: 3×2 mL, R1 Reconstitution Fluid: 1×35mL, OVB Buffer Solution: 1×51mL
D- Dimer Detection Kit (D-Dimer)	R1: 5×5 mL, R2: 5×5 mL, D-Dimer Diluent: 1×55 mL
	R1: 1×10 mL, R2: 1×10 mL, D-Dimer Diluent: 1×55 mL
Fibrin (Fibrinogen) Degradation Product Detection Kit (FDP)	R1: 5×5 mL, R2: 5×5 mL, Fibrin (Fibrinogen) Degradation Products Diluent: 1×55 mL
	R1: 1×10 mL, R2: 1×10 mL, Fibrin (Fibrinogen) Degradation Products Diluent: 1×55 mL
Coagulation Analysis Multi-Calibrator (PT, FIB, ATIII)	1×1 mL
	10×1 mL
Coagulation Analysis Multi-Control-level 1 (PT, APTT, TT, FIB, ATIII)	1×1 mL
	10×1 mL
Coagulation Analysis Multi-Control-level 2 (PT, APTT)	1×1 mL
	10×1 mL

## Auxiliary Reagent

Product Name	Specification
Automatic Blood Coagulation Analyzer Detergent I	50 mL/ bottle (Universal)
Automatic Blood Coagulation Analyzer Detergent II	500 mL/ bottle (BCA-2000)
Automatic Blood Coagulation Analyzer Detergent II	2L/ bottle (BCA-3000, BCA-4000)
Disposable Cuvette	1440 pcs/ ctn (BCA-2000)
Disposable Cuvette for BCA-3000	11400 pcs/ ctn (BCA-3000, BCA-4000)

# BF-7200/BF-7200Plus

## Automatic Hematology System



**1 module**  
Throughput: 120T/H



**4 modules**  
Throughput: 480T/H

BF-7200/BF-7200Plus Automatic Hematology System can realize up to 4 modules online. Optional automatic hematology analyzer, with multiple combination forms to meet the need of different users, which can also combine with each other.

With pre-storage tray and recycling tray, the sample position can be expanded to maximum 520, making the batch test much easier.

Realizing full-parameter blood tests including 5-part hematology, NRBC, RET(for BF-7200Plus), etc. with one tube of blood sample. It can provide 29 (for BF-7200) /37 (for BF-7200Plus) blood test parameters and 7 body fluid test parameters.

The launch of the fully automatic modular blood and body fluid analysis assembly line is making the layout of DIRUI intelligent assembly line products more complete.

### Product Features:

- ◎ Throughput: 480T/H (Maximum);
- ◎ Blood test parameter:
  - For BF-7200Plus: 37 parameters (including RET detection), 2 histograms, 5-2D scattergrams and 1-3D scattergrams;
  - For BF-7200: 29 parameters, 2 histograms, 2-2D scattergrams and 1-3D scattergrams;
- ◎ Body fluid test parameter: 7 parameters, 1 scattergrams and 1 histogram, with the prompt function of pathology and morphology abnormality alarms;

## BSP-800

### Automated Hematology Smear Slide Processor



The intelligent Hematology Smear Slide Processor assists in preventing missed tests and issuing incorrect test reports in clinical practice, providing more accurate and reliable reference for clinical diagnosis.

#### Product Features:

- ◎ Efficient: BSP-800 Automated Hematology Smear Slide Processor operates at a speed of 120 slides per hour, enhancing the efficiency of the laboratory.
- ◎ Professional: Equipped with an internal printer, it supports directly print on slides, supporting information such as numbers, barcodes, and QR codes.
- ◎ Intelligent: Capable of automatically pushing slides based on retest rules, and allows for the insertion of emergency samples at any time.

### Reagent List

Product Name	Specification
Methanol	5L/barrel
Dye A1	5L/barrel
Dye A2	5L/barrel
Disposable Slide	50 slides/box
BF-5D-I Diluent	20L/barrel (Dirui brand)
Thermal Transfer Ribbon	box (Dirui brand)

## **BF-6900/BF-6900CRP** Automatic Hematology Analyzer



BF-6900/BF-6900CRP Automatic Hematology Analyzer is a very compact 5 part DIFF instrument of classic technology which gives us reliable results. Ensuring efficiency and accuracy, guaranteeing reliability and robustness, BF-6900/BF-6900CRP becomes the indispensable hematology analyzer for your laboratory.

### **Product Features:**

- ◎ 5-part differential, 25 report parameters for BF-6900, 27 report parameters (include 2 CRP items) for BF-6900CRP
- ◎ Provide 10 research parameters, 2 histograms and 2 scattergrams
- ◎ Throughput: 60 samples/hour
- ◎ Compact design
- ◎ Autoloader optional
- ◎ Environmental friendly cyanide-free reagent
- ◎ Large storage capacity, up to 200,000 samples

# BCC-3900

## Automatic Hematology Analyzer



BCC-3900 Automatic Hematology Analyzer provides 21 parameters to complete blood count including a 3-part WBC differential at a throughput of 70 samples per hour. Delivering reliable and accurate results while being easy-to-use, efficient and affordable, BCC-3900 is an essential part of your laboratory.

### Product Features:

- ◎ 3-part differential, 21 parameters and 3 histograms
- ◎ 70 samples/hour
- ◎ Whole blood mode, pre-diluted mode
- ◎ Environmental friendly cyanide-free reagent
- ◎ 10.4 inch touch screen
- ◎ Large storage capacity up to 500.000 samples

# BCC-3900Vet

## Automatic Hematology Analyzer



As the living conditions are rapidly improved, more and more families begin to raise pets, pets are playing the role of family members in our families. The health of pets has received more attention. So DIRUI launched this veterinary automatic hematology analyzer BCC-3900Vet.

It is equipped with 8 animal types and 5 customized animal types, providing 21 parameters and 3 histograms at a throughput of 70 samples per hour. It satisfies the hematology analysis of animals in contemporary society.

### Product Features:

- ◎ 3-part differential, 21 parameters and 3 histograms
- ◎ 70 samples/hour
- ◎ Whole blood mode, pre-diluted mode
- ◎ 10.4 inch touch screen
- ◎ Large storage capacity up to 500,000 samples

## Reagent List

For BF-7200Plus		
Description	Product Name	Specification
Cleanser	Probe cleanser I	50 mL
		4×50 mL
Reagent	BF-5D-I Diluent	20 L
	BF-WFF Dye	80 mL
	BF-RF Dye	12 mL
	BF-WFL Lyse	4 L
	BF-WNF Dye	80 mL
	BF-SLS-II Lyse	2 L
	BF-WNL Lyse	4 L
	BF-RD Diluent	1 L
Calibrator	Fluorescent Calibrator	3.5 mL
	Fluorescent Control (Level 1)	2.5 mL
	Fluorescent Control (Level 2)	2.5 mL
	Fluorescent Control (Level 3)	2.5 mL
QC	Control for Reticulocyte (Level 1)	3 mL
	Control for Reticulocyte (Level 2)	3 mL
	Control for Reticulocyte (Level 3)	3 mL
	Control for Body Liquid (Level 1)	3 mL
	Control for Body Liquid (Level 2)	3 mL

For BF-7200		
Description	Product Name	Specification
Cleanser	Probe cleanser I	50 mL
		4×50 mL
Reagent	BF-5D-I Diluent	20 L
	BF-WFF Dye	80 mL
	BF-WFL Lyse	4 L
	BF-WNF Dye	80 mL
	BF-SLS-II Lyse	2 L
	BF-WNL Lyse	4 L
Calibrator	Fluorescent Calibrator	3.5 mL
	Fluorescent Control (Level 1)	2.5 mL
	Fluorescent Control (Level 2)	2.5 mL
	Fluorescent Control (Level 3)	2.5 mL
QC	Control for Body Liquid (Level 1)	3 mL
	Control for Body Liquid (Level 2)	3 mL

## Reagent List

### For BF-6900CRP/ 6960CRP

Description	Product Name	Specification
Cleanser	Probe cleanser I	50 mL
		4×50 mL
Reagent	BF-5D Diluent	20 L
	BF-FDOI Lyse	500 mL
	BF-FDTI Lyse	200 mL
	BF-FBH Lyse	500 mL
	BF-CRP Lyse	200 mL
	C-REACTIVE PROTEIN REAGENT KIT	25 mL
	C-REACTIVE PROTEIN REAGENT KIT	C-reactive protein®: 25 mL; C-reactive protein Calibrator: 5×0.5 mL; C-reactive protein Control: 2×1 mL
Calibrator	Calibrator for Automatic Hematology Analyzer (5-part)	2.5 mL
QC	Control for Automatic Hematology Analyzer (5-part) (Level 1)	2.5 mL
	Control for Automatic Hematology Analyzer (5-part) (Level 2)	2.5 mL
	Control for Automatic Hematology Analyzer (5-part) (Level 3)	2.5 mL

### For BF-6900

Description	Product Name	Specification
Cleanser	Probe cleanser I	50 mL
		4×50 mL
Reagent	BF-5D Diluent	20 L
	BF-FDOI Lyse	500 mL
	BF-FDTI Lyse	200 mL
	BF-FBH Lyse	500 mL
Calibrator	Calibrator for Automatic Hematology Analyzer (5-part)	2.5 mL
	Control for Automatic Hematology Analyzer (5-part) (Level 1)	2.5 mL
QC	Control for Automatic Hematology Analyzer (5-part) (Level 2)	2.5 mL
	Control for Automatic Hematology Analyzer (5-part) (Level 3)	2.5 mL

## Reagent List

### For BCC-3900

Description	Product Name	Specification
Cleanser	Probe Cleanser	50 mL 4×50 mL
Reagent	BCC-3D Diluent	20 L
	BCC-3D Lyse	500 mL
Calibrator	Calibrator for Automatic Hematology Analyzer (5-part)	2.5 mL
	Control for Hematology Analyzer (Level 1)	2 mL
QC	Control for Hematology Analyzer (Level 2)	2 mL
	Control for Hematology Analyzer (Level 3)	2 mL

### For BCC-3900Vet

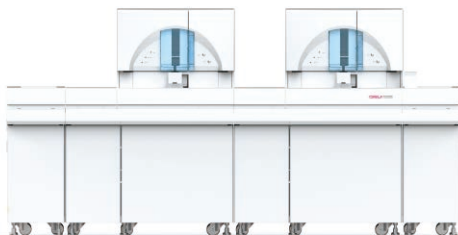
Description	Product Name	Specification
Cleanser	Probe Cleanser for Vet	50 mL 4×50 mL
Reagent	BCC-3D Diluent for Vet	20 L
	BCC-3D Lyse for Vet	500 mL

# MUS-9600 <sup>New</sup>

## Urinalysis System

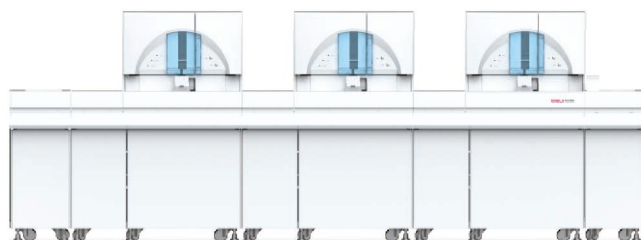
### 2 modules

Throughput : Chemistry test: 480 T/H  
Hybrid/ formed element test: 240 T/H



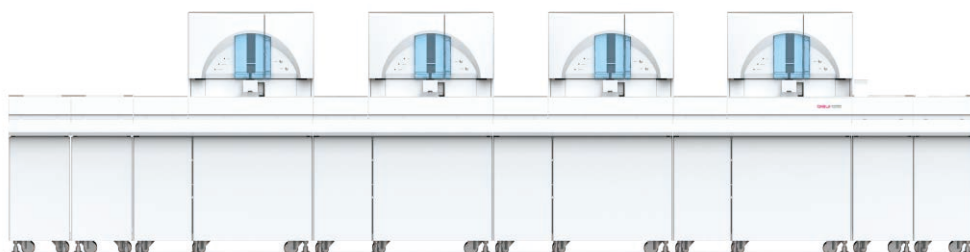
### 3 modules

Throughput : Chemistry test: 720 T/H  
Hybrid/ formed element test: 360 T/H



### 4 modules

Throughput : Chemistry test: 960 T/H  
Hybrid/ formed element test: 480 T/H



Since FUS-3000Plus was launched, lots of positive response has been received from the market. To meet market demands, DIRUI launched MUS-9600, which combined 4 moduls and maximizes performance. Besides, MUS-9600 can provide a calculation parameter ACR, which plays an important role for evaluating CKD.

#### Product Features:

- ◎ Throughput (1 Module): Chemistry test 240 T/H; Hybrid/ formed element test 120 T/H
- ◎ Parameters: 25 Formed element parameters; 14 Chemical parameters; 4 Physical parameters (Optional);
- ◎ Sample Capacity: 520 (Maximum);
- ◎ Consumables: Strips, QC, Calibrators, Reagents

# MUS-3600

## Urinalysis System

### 1 FUS-360 Urine Sediment Analyzer + 1 H-1600 Urine Analyzer

Throughput : Chemistry test: 240 T/H

Hybrid/formed element test: 120 T/H



### 2 FUS-360 Urine Sediment Analyzer + 1 H-1600 Urine Analyzer

Throughput : Chemistry test: 240 T/H

Hybrid/formed element test: 240 T/H



### 4 FUS-360 Urine Sediment Analyzer + 2 H-1600 Urine Analyzer

Throughput : Chemistry test: 480 T/H

Hybrid/ formed element test: 480 T/H



The H-1600 Urine Analyzer can connect with FUS-360 Urine Sediment Analyzer to be the MUS-3600 urinalysis system. The flexibility of its combination can meet various lab needs. According to the actual needs of laboratory, "1+2" package and "2+4" package are preferred

#### Product Features:

- ◎ Throughput (Hybrid test): Maximum 480 T/H;
- ◎ Parameters: 25 Formed element parameters; 14 Chemical parameters; 4 Physical parameters (Optional);
- ◎ Sample Capacity: 520 (Maximum);
- ◎ Consumables: Strips, QC, Calibrators, Reagents



## FUS-3000Plus Urinalysis Hybrid

### Product Features:

- ⊙ Throughput:
  - Chemistry test 240 T/H;
  - Hybrid/ formed element test 120 T/H;
- ⊙ Parameters:
  - 25 Formed element parameters;
  - 14 Chemical parameters;
  - 4 Physical parameters (Optional);
- ⊙ Sample Capacity: 50/270 (Optional);
- ⊙ Consumables: Strips, QC, Calibrators, Reagents
- ⊙ 1 STAT position



## FUS-2000 Urinalysis Hybrid

### Product Features:

- ⊙ Throughput :
  - Chemistry test 240 T/H;
  - Hybrid/ formed element test 120 T/H;
- ⊙ Parameters:
  - 12 Formed element parameters;
  - 14 Chemical parameters;
  - 3 Physical parameters (Optional);
- ⊙ Sample Capacity: 50/270 (Optional);
- ⊙ Consumables: Strips, QC, Calibrators, Reagents
- ⊙ 1 STAT position



## FUS-1000 Urinalysis Hybrid

### Product Features:

- ⊙ Throughput:
  - Hybrid/chemistry/formed element test 60 T/H;
- ⊙ Parameters:
  - 12 Formed element parameters;
  - 14 Chemical parameters;
  - 3 Physical parameters (Optional);
- ⊙ Sample Capacity: 50;
- ⊙ Consumables: Strips, QC, Calibrators, Reagents

# FUS-360

## Urine Sediment Analyzer



Inherited classic testing technology advantages, FUS-360 is the new platform of urine sediment analyzer. It can provide 25 formed element parameters, 4 physical parameters and abnormal red blood cell prompt function. Besides, abnormal RBC is distinguished and converted to ratio automatically.

### Product Features:

- ◎ Throughput: 120 T/H;
- ◎ Parameters: 25 Formed element parameters;
- ◎ Consumables: QC, Calibrators, Reagents



## H-1600

### Automatic Urine Analyzer

**Product features:**

- ⊙ Throughput: 240 T/H
- ⊙ Chemical test items: 14 chemical parameters and 2 calculated parameters (Optional)
- ⊙ Physical test items (optional): Specific gravity, turbidity, color and conductivity
- ⊙ Capacity of strip bin is 300 strips
- ⊙ Capacity of waste strip bin is 400 strips
- ⊙ The sample capacity can be expanded up to 270 with pre-storage tray
- ⊙ The design of STAT position gives priority to emergency samples
- ⊙ The result will be further guaranteed by using reflectometer unit to detect SG, turbidity and color
- ⊙ Combined with FUS-360 to be urinalysis system



## H-800

### Automatic Urine Analyzer

**Product features:**

- ⊙ Throughput is 240 T/H
- ⊙ Strips capacity is 200 strips
- ⊙ 14 chemical parameters
- ⊙ Accurate quantitative dripping technology avoids cross-contamination effectively
- ⊙ All the results are on the LCD touch screen, with all data centralised in one workstation.
- ⊙ Paired barcode reader is helpful for inputting patient information
- ⊙ The design of the STAT position gives priority to emergency samples
- ⊙ Waste box can collect waste strips automatically
- ⊙ H-800 can be connected with LIS, HIS
- ⊙ Combined with FUS series analyzers to be urinalysis system



## H-500 <sup>New</sup> Urine Analyzer

**Product features:**

- ◎ 7-inch color touch screen enhances user convenience during operation
- ◎ The built-in thermal printer can automatically print results
- ◎ The built-in waste bin minimizes aerosol hazards
- ◎ Throughput: 600 T/H. Up to 14 optional test parameters
- ◎ Memory for 10,000 sample data and 3,000 quality control data, facilitating convenient review



## H-500 Urine Analyzer

**Product features:**

- ◎ Large touch screen is convenient for users' operation
- ◎ Built-in thermal printer can print results automatically
- ◎ Waste box can collect waste strips automatically
- ◎ 4 wavelengths cold light source ensures the result accuracy
- ◎ High throughput is 514 T/H
- ◎ 14 test items are optional
- ◎ Large test result storage capacity is convenient for reviewing



## HC-300 Urine Analyzer

**Product features:**

- ◎ Throughput: 60/120 T/H
- ◎ Parameters: 14 Chemical parameters
- ◎ Consumables: Strips, QC
- ◎ Built-in thermal printer can print results automatically
- ◎ Barcode reader is optional

## Reagent List

### For MUS-9600/ MUS-3600/ FUS-3000Plus/ FUS-360

Description	Product Name	Specification
Reagents for formed element test	Sheath	20 L
	Cleaning liquid II	500 mL
	FE Focus B II	125 mL
	Detergent	500 mL
	Diluent	500 mL
	FE Calibrator II	125 mL
	FE Control II Positive Control Level 3	125 mL
	FE Control II Negative Control	125 mL
QC for chemical	Urinalysis control(Positive)	8 mL
	Urinalysis control(Negative)	8 mL

### For FUS-1000

Description	Product Name	Specification
Reagents for formed element test	Sheath II	10 L
		20 L
	Cleaning liquid II	500 mL
	FE Focus B II	125 mL
	Detergent	500 mL
	Diluent	500 mL
	FE Calibrator II	125 mL
	FE Control II Positive Control Level 3	125 mL
QC for chemical	Urinalysis control(Positive)	8 mL
	Urinalysis control(Negative)	8 mL

### For FUS-2000

Description	Product Name	Specification
Reagents for formed element test	Sheath	20 L
	Focus	125 mL
	Diluent	500 mL
	Detergent	500 mL
	Standard solution	125 mL
	Negative control (Sediment)	125 mL
	Positive control (Sediment)	125 mL
	QC for chemical	Urinalysis control(positive)
Urinalysis control(negative)		8 mL

## Reagent List

### For Automic Urine Analyzer (H-800)

Description	Product Name	Specification
	Cleaning Liquid (concentrated type)	200 mL
QC for chemical	Urinalysis control(Positive)	8 mL
	Urinalysis control(Negative)	8 mL

### For Urine Analyzer ( H-500/ HC-300)

Description	Product Name	Specification
QC for chemical	Urinalysis control(Positive)	8 mL
	Urinalysis control(Negative)	8 mL

### For SG Unit

Description	Product Name	Specification
	Cleaning Liquid for Refractometer and Turbidimeter	50 mL
Reagents for regular SG unit	H Series Urine Analyzer Calibration Liquid for Specific gravity (SG=1.040)	8 mL
	H Series Urine Analyzer Calibration Liquid for Turbidity	8 mL
	H Series Urine Analyzer Control Liquid for Specific gravity level 1 (SG=1.005)	8 mL
	H Series Urine Analyzer Control Liquid for Specific gravity level 2 (SG=1.040)	8 mL
	H Series Urine Analyzer Control Liquid for Specific gravity level 3 (SG=1.050)	8 mL
	H Series Urine Analyzer Control Liquid for Turbidity level 1 (Turbidity=200)	8 mL
	H Series Urine Analyzer Control Liquid for Turbidity level 2 (Turbidity=700)	8 mL
	H Series Urine Analyzer Color Control-red	8 mL
	H Series Urine Analyzer Color Control-green	8 mL
	H Series Urine Analyzer Color Control-blue	8 mL
Other reagents for FUS-3000Plus/ MUS Series SG unit/ H-1600	Urine Conductivity Analysis Calibrator (Level 1,2,3)	3 mL
	Urine Conductivity Analysis Control (level 1,2)	60 mL

### For Fully Automatic Urine Analyzer

Description	Product Name	Specification
	Multi-Control for Urine Physical and Chemical Analysis (level 1)	4X10 mL
H-1600/FUS-1000/	Multi-Control for Urine Physical and Chemical Analysis (level 2)	4X10 mL
FUS-2000/FUS-3000Plus/	Multi-Calibrator for Urine Physical and Chemical Analysis (level 1)	4*4 mL
MUS-3600/MUS-9600	Multi-Calibrator for Urine Physical and Chemical Analysis (level 2)	4*4 mL
	Multi-Calibrator for Urine Physical and Chemical Analysis (level 3)	4*4 mL

### For Fully Automatic Urine Analyzer

Description	Product Name	Specification
H-1600/FUS-1000/	Urinalysis Multi-Control	Level 1: 1*15ml
FUS-2000/FUS-3000Plus/		Level 3: 1*15ml
MUS-3600/MUS-9600		Level 1: 1*40ml
		Level 3: 1*40ml



# DIRUI URINALYSIS STRIPS COLLECTION

## For Automatic Urine Analyzer

Product Name	Applies to	Specification	Test Parameters													
			Leucocytes	Nitrite	Urobilinogen	Protein	pH	Blood	SG	Ketone	Bilirubin	Glucose	Ascorbic acid	Microalbumin	Creatinine	Calcium
H10-800	H-800	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H11-800	H-800	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H11-800MA	H-800	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H12-800MA	H-800	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H13-800Cr	H-800	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H14-800Ca	H-800	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙

## For Urine Analyzer

Product Name	Applies to	Specification	Test Parameters														
			Leucocytes	Nitrite	Urobilinogen	Protein	pH	Blood	SG	Ketone	Bilirubin	Glucose	Ascorbic acid	Microalbumin	Creatinine	Calcium	
H2-Cr	H-100/500	100 strips/bottle															
H10	H-100/500	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H11	H-100/500	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H11-MA	H-100/500	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H11-MA(N)	H-100/500	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H12-MA	H-100/500	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H13-Cr	H-100/500	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H14-CA	H-100/500	100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H10	HC-300/H-500 <i>New!</i>	6 bottles*100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H11	HC-300/H-500 <i>New!</i>	6 bottles*100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H11-MA	HC-300/H-500 <i>New!</i>	6 bottles*100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H13-Cr	HC-300/H-500 <i>New!</i>	6 bottles*100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
H14-Ca	HC-300/H-500 <i>New!</i>	6 bottles*100 strips/bottle	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙



## GMD-S600

### Vaginal Infections Analyzer



The GMD-S600 Vaginal Infections Analyzer inherits classic and reliable technology from DIRUI urinalysis products with upgraded hardware and software to make pathogens in vaginal secretions visible and reviewable to doctors. With the combined results of microscopy and chemical strips, the analyzer can give parameters indicating most common vaginitis, BV(bacterial vaginitis), TV (trichomonas vaginitis), FV (fungus vaginitis) and also the mixed infections.

#### Product Features:

- ◎ Constant throughput: 60 T/H
- ◎ Comprehensive clinical information (8 microscopy parameters+9 chemical parameters)
- ◎ Systematic reagents, strips, QC and calibrators

Description	Specification
Tube	Φ12×100
Swab	500 pieces/bag
Swab	1000 pieces/bag
Vaginal Secretions Analysis Strip (GMD-4B)	50 strips/bottle
Vaginal Secretions Analysis Strip (GMD-4B)	100 strips/bottle
Vaginal Secretions Analysis Strip (GMD-6B)	50 strips/bottle
Vaginal Secretions Analysis Strip (GMD-6B)	100 strips/bottle
Vaginal Secretions Analysis Strip (GMD-7)	50 strips/bottle
Vaginal Secretions Analysis Strip (GMD-7)	100 strips/bottle
Vaginal Secretions Analysis Strip (GMD-9(N))	50 strips/bottle
Vaginal Secretions Analysis Strip (GMD-9(N))	100 strips/bottle
Vaginal Secretions Analysis Control GMD-9(N)	Negative 10*1mL/bottle Positive 10*1mL/bottle
Detergent	50mL/bottle
FE Laminar Liquid	5L/barrel
FE Laminar Liquid	10L/barrel
FE Laminar Liquid	15L/barrel
FE Laminar Liquid	20L/barrel
FE Dye	50mL*1 Dye A 50mL*1 Dye B
FE Dye	100mL*1 Dye A 100mL*1 Dye B
Cell Preservation Liquid	2L/barrel
FE Focus B	60mL/bottle
FE Control Positive Control Level 3	60mL/bottle
FE Control Negative Control	60mL/bottle
FE Calibrator	15mL/bottle
FE Multi Control	level 1: 10mL/bottle level 2: 10mL/bottle level 3: 10mL/bottle
FE Multi Control	level 1: 10mL/bottle level 3: 10mL/bottle

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