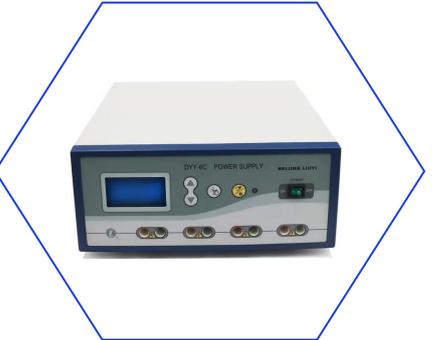
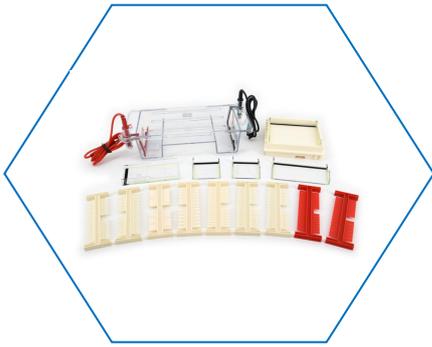




Since 1970



Product Catalog

BEIJING LIUYI BIOTECHNOLOGY CO.,LTD

About Us



Beijing Liuyi Biotechnology Co., Ltd., formerly known as Beijing Liuyi Instrument Factory, established in 1970, is a national high technology enterprise with more than 50 years history. It is a leading and the biggest manufacturer in electrophoresis instrument for life science laboratories in China.

Liuyi has specialized in manufacturing electrophoresis instruments for more than 50 years with our own professional technical team and R&D center. We have reliable and complete production line from design to inspection, and warehouse, as well as marketing support. Our main products are Electrophoresis Cell (tank/chamber), Electrophoresis Power Supply, Blu LED Transilluminator, UV Transilluminator, Gel Image & Analysis System etc.. According to your requirements, we can provide customized service for you.

Based on life science and biotechnology industry, with excellent reputation, we offer reliable quality products and good service to our customers in China and overseas. We are the key supplier for the government purchase projects, and we have nearly 2000 dealers in China. Our products have been exported to more than ten countries including America, Brazil, Mexico, India, Africa, Chile, Singapore etc.. We are dedicated to offering our products throughout the world.

Form QM-150405, version 02, effective since September 19, 2022

Certificate of Compliance

No. 32201919-BJ00C23
 Iss Report / Technical Construction File No. 1050203910303, 1050203910304

Certificate's Holder: Beijing Liuyi Biotechnology Co., Ltd.
 Building 25, No.68, Yanhu Road, Fangshan District, Beijing, 102413, China

Certification ECM Mark:

Product: Cell Imaging & Analysis Systems
Model(s): UV Viewing Cabinet (UV Transilluminator)

Verification to: Standard: EN 61326-1:2013, EN 61010-1:2010
 related to CE Directive(s): 2014/53/EU (Electromagnetic Compatibility)

Remarks: This document is a voluntary regulatory EC verification where the manufacturer voluntarily decides to issue a document concerning the above-mentioned product(s). This Certificate is issued in compliance with the requirements of the manufacturer and the manufacturer's internal quality control system. The document cannot replace the EC Declaration of Conformity. The above certificate may only be affixed to the documentation in accordance with the CE Regulation or later that year.

Additional information and declaration on marking: The manufacturer must carry out the EC marking process before placing the product on the market, and the product is eligible to be affixed to a CE mark. The document has been based on the data of the manufacturer's Certificate of Compliance (CC-2024) No. 0 and the voluntary ECU marking Regulation for product certification. ROP_QCM need both available at www.enfocert.com/

Issuance date: 18 September 2022
Expiry date: 18 September 2027

Author: Eric Cappelletto / eric.cappelletto@enfocert.com

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Form QM-150405, version 02, effective since September 19, 2022

Certificate of Compliance

No. 32201919-BJ00C23
 Iss Report / Technical Construction File No. 1050203910303, 1050203910304

Certificate's Holder: Beijing Liuyi Biotechnology Co., Ltd.
 Building 25, No.68, Yanhu Road, Fangshan District, Beijing, 102413, China

Certification ECM Mark:

Product: Electrophoresis cell
Model(s): (see the following annex)

Verification to: Standard: EN 61326-1:2013, EN 61010-1:2010
 related to CE Directive(s): 2014/53/EU (Low Voltage), 2014/50/EU (Electromagnetic Compatibility)

Remarks: This document is a voluntary regulatory EC verification where the manufacturer voluntarily decides to issue a document concerning the above-mentioned product(s). This Certificate is issued in compliance with the requirements of the manufacturer and the manufacturer's internal quality control system. The document cannot replace the EC Declaration of Conformity. The above certificate may only be affixed to the documentation in accordance with the CE Regulation or later that year.

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Certification ECM Mark:

Product: Electrophoresis cell
Model(s): (see the following annex)

Verification to: Standard: EN 61326-1:2013, EN 61010-1:2010
 related to CE Directive(s): 2014/53/EU (Low Voltage), 2014/50/EU (Electromagnetic Compatibility)

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REGISTRATION NO. 0477401040030M

CERTIFICATE OF QUALITY MANAGEMENT SYSTEM

This is to certify that the quality management system of Beijing Liuyi Biotechnology Co., Ltd. Registered Address: Room 701, No.7, Kejing Road, Fengtai District, Beijing, China. Manufacturing Address: No.126, Jiajia Street, Fengtai District, Beijing, China. Has been assessed and confirmed to the following standard(s): GB/T 19001-2008 as ISO 9001:2008

The certificate is valid for the following scope: The Design, Development, Production and Service of UV Instrument, Electrophoresis System.

Date of issue: November 14, 2014
 Date of issue: November 13, 2017
 Date of expiry: January 05, 2015

Director:

BEIJING JIUYI GUANG CERTIFICATION OR MEDICAL INSTRUMENTS CO., LTD.

MANAGEMENT SYSTEM
 CNAS CERT. 02

Note: This Certificate is only valid when used in accordance with the official website of Certification and Accreditation Administration of China (CNAS) and the official website of International Accreditation Forum (IAF). The validity of this Certificate is subject to the results of the annual surveillance audits and the results of the re-assessment audits.

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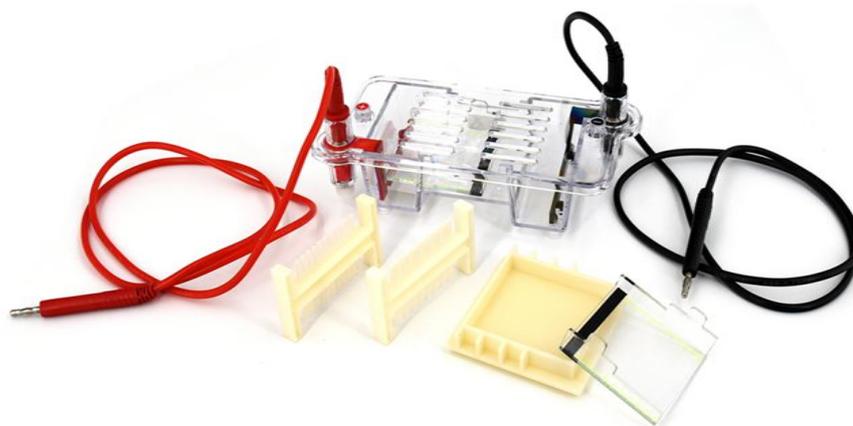
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Horizontal Electrophoresis

Technical specifications for Horizontal Electrophoresis

ITEMS	Model	Gel size(W*L) mm	Buffer Volume ml	Comb rows	No.of samples	Gel making	Advised electrophoresis power
Nucleic Acid Electrophoresis Cell	DYCP-31BN	60*60	120	1~2	8~11	Gel casting	DYY-6C/6D/8C/10C
	DYCP-31CN	70*100	260	1~4	8~15	Gel casting	DYY-6C/6D/8C/10C
	DYCP-31DN	120*120, 60*120, 120*60, 60*60	650	1~4	2~100	Gel casting	DYY-6C/6D/8C/10C
	DYCP-31E	160*200, 160*150	1000	1~6	17~204	Gel casting	DYY-6C/6D/8C/10C
	DYCP-32B	130*200, 130*150	800	1~8	4~208	Gel casting	DYY-6C/6D/8C
	DYCP-32C	250*250, 120*250, 60*250	1600	1~4	26~204	Gel tray	DYY-6C/6D/8C
	DYCP-44N	100*200	2000	1~12	8~96	Gel tray	DYY-6C/6D/8C
	DYCP-44P	140*170	2000	1~6	17~198	Gel tray	DYY-6C/6D/8C
Cellulose Acetate Film Electrophoresis CELL	DYCP-38C	70*250, 90*250	1000	1~2	-	-	DYY-6C/6D/8C

Model DYCP-31BN



Feature

- Made of high quality polycarbonate, exquisite and durable;
- Transparent, easy for observation;
- Auto-switch-off when the lid is opened;
- Removable electrodes, easy to maintain and clean;
- Easy and simple to use;
- Save buffer solution;
- With fluorescent band on the gel tray makes it convenient to add the samples and observe the gel;
- Special comb design, one comb has two different teeth.

Application

Apply to identify, separate, prepare DNA, and measure its molecular weight.

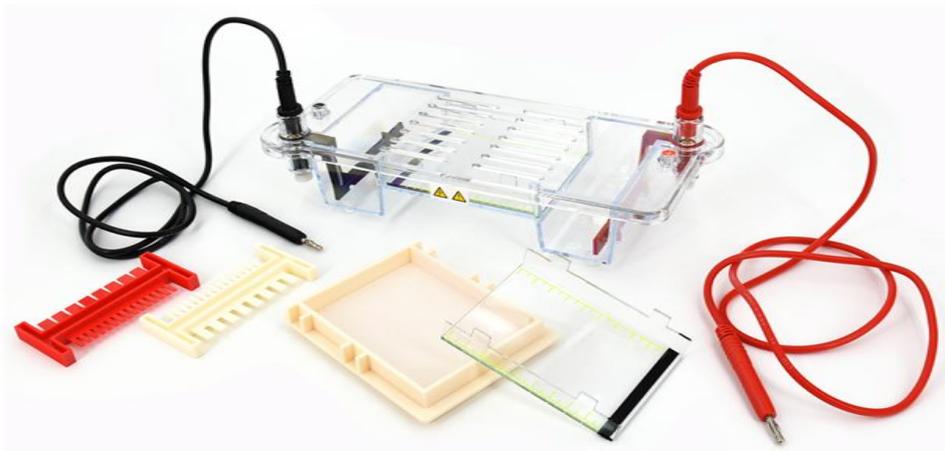
Specification

Dimension (LxWxH)	197×96×100mm
Gel Size (LxW)	60×60mm
Comb	6 wells, 8 wells and 11 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	8-11
Buffer Volume	120 ml
Weight	0.5kg



Recommended Power Supply **DYY-6C/6D/8C/10C**

Model DYCP-31CN



Feature

- Made of high quality polycarbonate, exquisite and durable;
- Transparent top lid, easy for observation;
- Special gel casting device for easy and fast gel casting;
- Auto-switch-off when the lid is opened;
- Removable electrodes, easy to maintain and clean;
- Easy and simple to use;
- With black band and fluorescent mark on the gel tray makes it convenient to add the samples and observe the gel;
- Special comb design, one comb has two different teeth.

Application

Apply to identify, separate, prepare DNA, and measure its molecular weight.

Specification

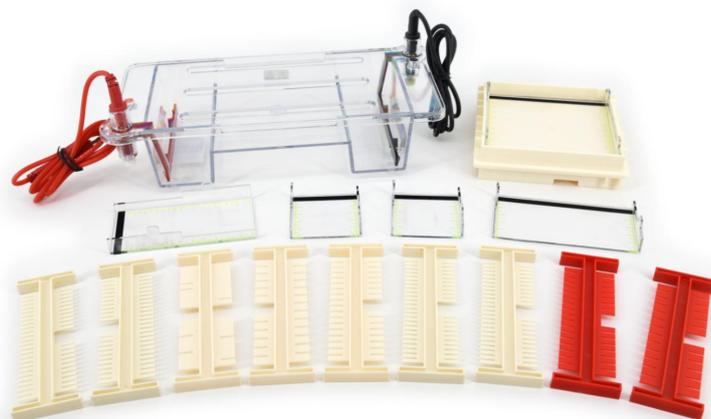
Dimension (LxWxH)	270×115×110mm
Gel Size (LxW)	100×70mm
Comb	8 wells and 15 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	8-15
Buffer Volume	260ml
Weight	1.5kg



Recommended Power Supply **DYY-6C/6D/8C/10C**



Model DYCP-31DN



Feature

- Made of high quality polycarbonate, exquisite and durable;
- Transparent top lid, easy for observation;
- Special gel casting device for easy and fast gel casting;
- Auto-switch-off when the lid is opened;
- Removable electrodes, easy to maintain and clean;
- Save buffer solution, easy and simple to use;
- With black band and fluorescent mark on the gel tray makes it convenient to add the samples and observe the gel;
- Can run two pieces of gel at the same time;
- One gel casting device can cast different sizes of gel.



Application

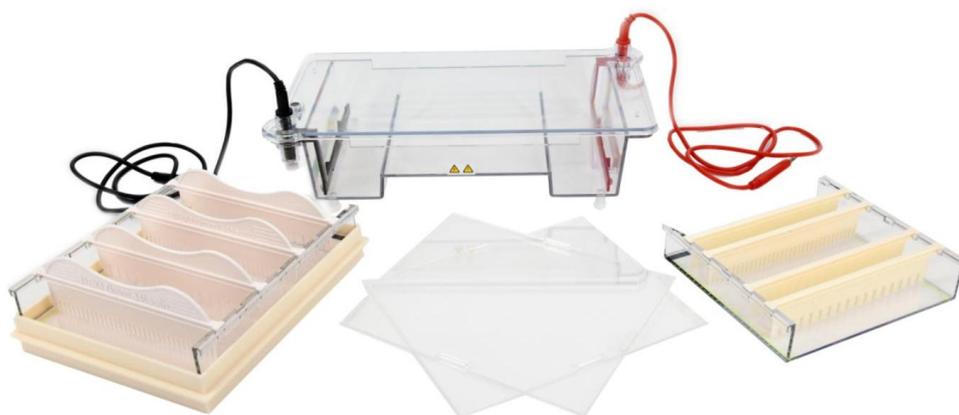
Apply to identify, separate, prepare DNA, and measure its molecular weight.

Specification

Dimension (LxWxH)	310×150×120mm
Gel Size (LxW)	60×60mm, 60×120mm, 120×60mm, 120×120mm
Comb	2+3 wells, 6+13 wells, 8+18 wells, and 11+25 wells
Comb Thickness	1.0mm, 1.5mm and 2.0mm
Number of Samples	2-100
Buffer Volume	650ml
Weight	1.0kg

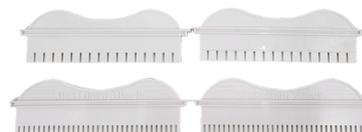
Recommended Power Supply **DYY-6C/6D/8C/10C**

Model DYCP-31E



Feature

- Made of high quality polycarbonate, exquisite and durable;
- Transparent top lid, easy for observation;
- Special gel casting device for easy and fast gel casting;
- Auto-switch-off when the lid is opened;
- Suitable for PCR (96 wells) and 8-channel pipette use;
- Removable electrodes, easy to maintain and clean;
- Easy and simple to use;
- High temperature resistant, not easy deformation;
- Save buffer solution;
- With black band and fluorescent mark on the gel tray makes it convenient to add the samples and observe the gel;
- One gel casting device can cast different sizes of gel.



Application

Apply to identify, separate, prepare DNA, and measure its molecular weight.

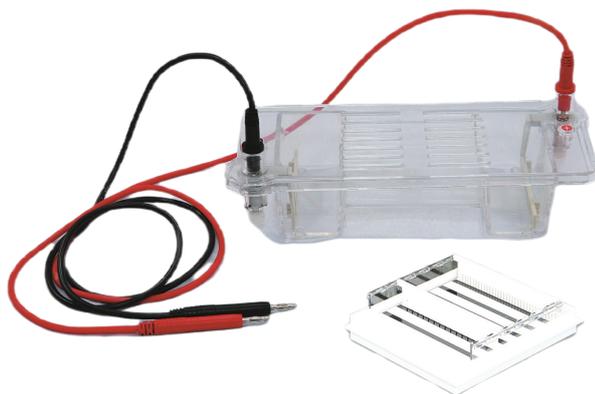
Specification

Dimension (LxWxH)	310×195×135mm
Gel Size (LxW)	200×160mm, 150×160mm
Comb	17 wells and 34 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	17-204
Buffer Volume	1000ml
Weight	1.5kg

Recommended Power Supply **DYY-6C/6D/8C/10C**



Model DYCP-32B



Feature

- Made of high quality polycarbonate, exquisite and durable;
- Transparent top lid, easy for observation;
- Special gel casting device for easy and fast gel casting;
- Auto-switch-off when the lid is opened;
- Suitable for 12-channel pipette use;
- Removable electrodes, easy to maintain and clean;
- Easy and simple to use;
- High temperature resistant, not easy deformation;
- Save buffer solution;
- With black band and fluorescent mark on the gel tray makes it convenient to add the samples and observe the gel;
- One gel casting device can cast different sizes of gel.

Application

Apply to identify, separate, prepare DNA, and measure its molecular weight.

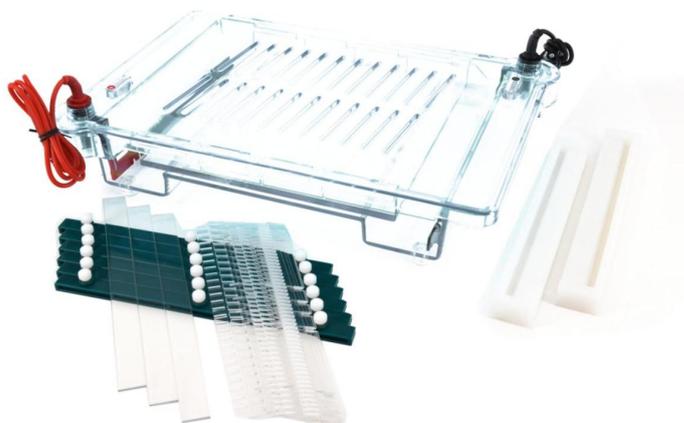
Specification

Dimension (LxWxH)	365×165×130mm
Gel Size (LxW)	200×130mm, 150×130mm
Comb	14 wells, 26 wells and 18 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	4-208
Buffer Volume	800ml
Weight	1.5kg

Recommended Power Supply **DYY-6C/6D/8C**



Model DYCP-32C



Feature

- Innovative design, the gel size is the largest in the industry;
- Made of high quality polycarbonate, exquisite and durable;
- Transparent top lid, easy for observation;
- Auto-switch-off when the lid is opened;
- Suitable for 8-channel pipette to load samples;
- Removable electrodes, easy to maintain and clean;
- Easy and simple to use;
- High temperature resistant, not easy deformation;
- Patented gel blocking plate design makes gel casting easy and convenient.

Application

Apply to identify, separate, prepare DNA, and measure its molecular weight.

Specification

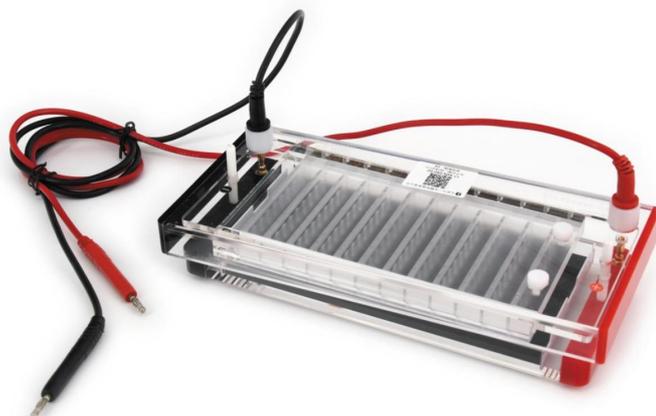
Dimension (LxWxH)	420×300×90mm
Gel Size (LxW)	250×250mm, 120×250mm, 60×250mm
Comb	51 wells, 42 wells and 26 wells
Comb Thickness	1.0mm and 2.0mm
Number of Samples	26-204
Buffer Volume	1600ml
Weight	2.5kg



Recommended Power Supply **DYY-6C/6D/8C/10C**



Model DYCP-44N



Feature

- With 12 special marker holes;
- Unique and delicate mould design, convenient operation;
- Suitable for 8-channel pipette to load samples;
- Able to adjust the level of electrophoresis cell.

Application

For PCR samples' DNA identification and separation.

Specification

Dimension (LxWxH)	260×110×70mm
Gel Size (LxW)	200×100mm
Comb	1+8 wells
Comb Thickness	1.5mm
Number of Samples	8-96
Buffer Volume	2000ml
Weight	0.5kg



Recommended Power Supply DYY-6C/6D/8C/10C



Model DYCP-44P



Feature

- With 12 special marker holes;
- Unique and delicate mould design, convenient operation;
- Suitable for 8-channel pipette to load samples;
- Able to adjust the level of electrophoresis cell.

Application

For PCR samples' DNA identification and separation.

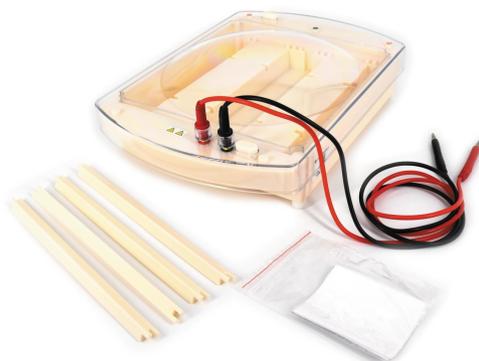
Specification

Dimension (LxWxH)	210×200×85mm
Gel Size (LxW)	170×140mm
Comb	33 wells (Standard) 17 wells (Optional)
Comb Thickness	1.0mm (Standard) 1.5mm (Optional)
Number of Samples	17-198
Buffer Volume	2000ml
Weight	0.5kg



Recommended Power Supply DY-6C/6D/8C/10C

Model DYCP-38C



Feature

- Delicate appearance;
- The injection molded body, no leakage;
- Three piece of electrodes with platinum wire;
- The level of the tank body can be adjusted;
- Adjusting sticks for different sizes of paper electrophoresis or cellulose acetate membrane electrophoresis experiments.

Application

For paper and slide electrophoresis, cellulose acetate membrane electrophoresis.

Specification

Dimension (LxWxH)	370×270×110mm
Gel Size (LxW)	70 or 90×250mm (Dual-row)
Buffer Volume	1000ml
Weight	2.0kg

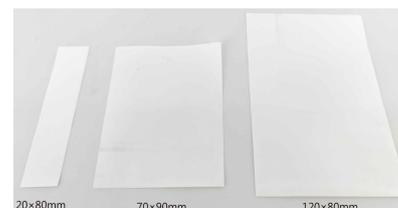


**Recommended Power Supply
DY-6C/6D/8C/10C**

Cellulose Acetate Membrane

As the necessary product for DYCP-38C electrophoresis cell, we supply cellulose acetate membrane as the following specifications:

Description	Specification	Packing
Soft cellulose acetate membrane (Easy to wet and operate)	70 × 90	50pcs/case
	20 × 80	50pcs/case
	120 × 80	50pcs/case



Note: We can supply customized size of cellulose acetate membrane as your requirement.

Vertical Electrophoresis

Technical specifications for Vertical Electrophoresis

ITEMS	Model	Gel size(W*L)mm	Buffer Volume ml	No.of samples	Gel making	Advised electrophoresis power
DNA Sequencing Electrophoresis Cell	DYCZ-20A	170*580	850	52~64	Gel casting	DYY-10C/12/12C
	DYCZ-20B	170*480	750	52~64	Gel casting	DYY-10C/12/12C
	DYCZ-20C	340*300	1500	132	Gel casting	DYY-10C/12/12C
	DYCZ-20G	316*190, 316*130	1200	204	Gel casting	DYY-10C/12/12C
Protein Electrophoresis Cell	DYCZ-22A	170X170	600	40-52	Gel casting	DYY-6C/6D/8C/10C
	DYCZ-23A	80X100	350	10-15	Gel casting	DYY-6C/6D/8C/10C
	DYCZ-24A	170X170	600	40-52	Gel casting	DYY-6C/6D/8C/10C
	DYCZ-24DN	83X73	400	20~30	Gel casting	DYY-6C/6D/10C/12/12C
	DYCZ-24EN	130X100	1200	24~32	Gel casting	DYY-6C/6D/10C/12/12C
	DYCZ-24F	175*200	3500	32~42	Gel casting	DYY-6C/6D/10C/12/12C
	DYCZ-24K	83X73	600/800	20~30	Gel casting	DYY-6C/6D/8C
	DYCZ-24KF	83X73	800	40~60	Gel casting	DYY-6C/6D/8C
	DYCZ-25D	83*73/83*95	730	40~60	Gel casting	DYY-6C/6D/10C/12/12C
	DYCZ-25E	104*100	850/1200	52~84	Gel casting	DYY-6C/6D/10C/12/12C
	DYCZ-30C	185*105	1750	50~80	Gel casting	DYY-6C/6D/8C
	DYCZ-27B	Φ5×90mm Φ5×170mm	1000	12	-	DYY-10C/12
	DYCZ-MINI2	83*73	300	-	Gel casting	DYY-6C/6D/10C
DYCZ-MINI4	83*73 (Handcast) 86*68 (Precast)	2 gels:700 4 gels: 1000	-	Gel casting	DYY-6C/6D/10C	
2-DE Protein Electrophoresis Cell	DYCZ-26C	The second gel dimension : 175×200mm(dual-plate)	3500	12	Gel casting	DYY-10C/12/12C
Trans-Blotting Electrophoresis Cell	DYCZ-40C	150*150	-	-	-	DYY-6C/6D/10C/12/12C
	DYCZ-40E	200*200	-	-	-	DYY-6C/6D/10C/12/12C
	DYCZ-40D	95*87	400	-	-	DYY-6C/6D/10C/12/12C
	DYCZ-40F	100*93	1200	-	-	DYY-6C/6D/10C/12/12C
	DYCZ-40G	110*95	1350	-	-	DYY-6C/6D/10C/12/12C
	DYCZ-TRANS2	100*75	1200	-	-	DYY-6C/6D/7C

Model DYCZ-20A



Feature

- Easy to cast the gel;
- Transparent, no obstructions to visibility;
- Unique design of heat dissipation, keep temperature balance;
- Simple and easy installation of the tank;
- Easy to make gel with the gel filling device;
- Neat and clear electrophoresis bands can be obtained.

Application

For DNA sequencing and DNA fingerprinting analysis, differential display, AFLP or SSCP research.

Specification

Dimension (LxWxH)	240×210×655mm
Gel Size (LxW)	580×170mm
Comb	32 wells (shark teeth) 26 wells (Great Wall teeth)
Comb Thickness	0.4mm
Number of Samples	52-64
Buffer Volume	850ml
Weight	10.5kg

Recommended Power Supply DYY-10C/12C/12



Model DYCZ-20B



Feature

- Easy to cast the gel;
- Transparent, no obstructions to visibility;
- Unique design of heat dissipation, keep temperature balance;
- Simple and easy installation of the tank;
- Easy to make gel with the gel filling device;
- Neat and clear electrophoresis bands can be obtained.

Application

For DNA sequencing and DNA fingerprinting analysis, differential display, AFLP or SSCP research.

Specification

Dimension (LxWxH)	240×210×555mm
Gel Size (LxW)	480×170mm
Comb	32 wells (shark teeth) 26 wells (Great Wall teeth)
Comb Thickness	0.4mm
Number of Samples	52-64
Buffer Volume	750ml
Weight	9.0kg

Recommended Power Supply DYY-10C/12C/12

Model DYCZ-20C



Feature

- Easy to cast the gel;
- Stable performance;
- Unique design of heat dissipation, keep temperature balance;
- Distinctive outlet for buffer solution;
- Easy to make gel with the gel filling device;
- Neat and clear electrophoresis bands;
- Clear signs on the glass to ensure correct operation.

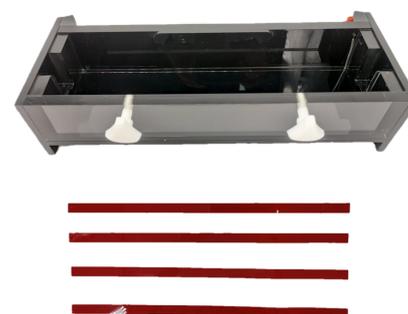


Application

For DNA sequencing analysis and DNA fingerprinting analysis, differential display and SSCP research.

Specification

Dimension (LxWxH)	410×210×430mm
Gel Size (LxW)	300×340mm
Comb	68 wells (shark teeth)(standard) 100 wells (shark teeth)(optional)
Comb Thickness	0.4mm
Number of Samples	132
Buffer Volume	1500ml
Weight	12kg



Recommended Power Supply DYY-10C/12C/12



Model DYCZ-20G



190mm



130mm

Feature

- The number of samples can run up to 204 pieces, can use multi-channel pipettes to add samples;
- Adjustable main structure, can do variety experiments;
- Multi-casting gel to make sure gels have strong consistency;
- High quality PMMA, glittering and translucent;
- Save buffer solution;
- 190mm gel casting device can make 2 gels at the same time; 130mm gel casting device can make 6 gels at the same time; Clear signs on the glass to ensure correct operation.

Application

For DNA sequencing analysis and DNA fingerprinting analysis, differential display and SSCP research.

Specification

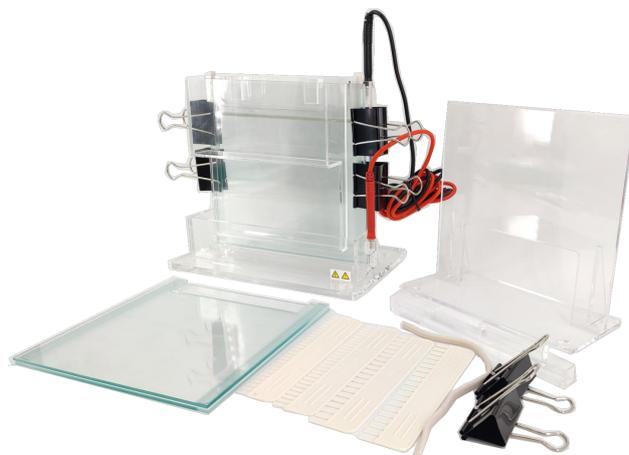
Dimension (LxWxH)	450×160×280mm
Gel Size (LxW)	316×190mm and 316×130mm
Comb	102 wells
Comb Thickness	1.0mm
Number of Samples	204
Buffer Volume	1200ml



Recommended Power Supply DYY-10C



Model DYCZ-22A



Feature

- Easy to cast the gel;
- The main tank body is made of high quality transparent polycarbonate, exquisite and durable, easy for observation;
- The Main tank body is equipped pure platinum electrodes with high conductivity;
- Easy and convenient to load samples;
- Equipped a unit for placing ice for cooling;
- Upper and lower tank structure, save buffer solution;
- 20 wells and 26 wells combs with the teeth thickness of 1.0mm and 1.5mm;
- Four clamps help to clamp glass plates with main tank body;
- Clear band and stable performance.

Application

For SDS-PAGE, Protein electrophoresis

Specification

Dimension (LxWxH)	240×150×240mm
Gel Size (LxW)	170×170mm
Comb	20 wells and 26 wells)
Comb Thickness	1.0mm and 1.5mm
Number of Samples	40-52
Buffer Volume	600 ml
Weight	6.0kg

Recommended Power Supply: DYY-6C/6D/8C/10C



Model DYCZ-23A



Feature

- The single slab structure with leveling base;
- The main tank body is made of high quality transparent polycarbonate, exquisite and durable, easy for observation;
- Molded buffer tank equipped pure platinum electrodes with high conductivity;
- Easy and convenient to load samples;
- Upper and lower tank structure, save buffer solution;
- Spacer sets are offered in thicknesses of 1.0mm, 1.5mm;
- 10 wells and 15 wells combs with the teeth thickness of 1.0mm and 1.5mm;
- Four clamps help to clamp glass plates with main tank body;
- Special design of the tank avoid buffer and gel leakage.

Application

For SDS-PAGE, Protein electrophoresis

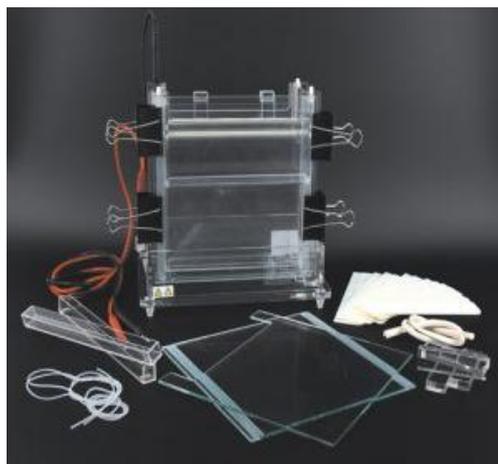
Specification

Dimension (LxWxH)	140×125×155mm
Gel Size (LxW)	100×80mm
Comb	10 wells and 15 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	10-15
Buffer Volume	350 ml
Weight	1.0kg

Recommended Power Supply: DYY-6C/6D/8C/10C



Model DYCZ-24A



Feature

- Easy to cast the gel;
- The main tank body is made of high quality transparent polycarbonate, exquisite and durable, easy for observation;
- The Main tank body is equipped pure platinum electrodes with high conductivity;
- Easy and convenient to load samples;
- Equipped a unit for placing ice for cooling;
- Upper and lower tank structure, save buffer solution;
- Four clamps help to clamp glass plates with main tank body;
- Cast two gels at one time;
- Clear band and stable performance.

Application

For SDS-PAGE, Protein electrophoresis

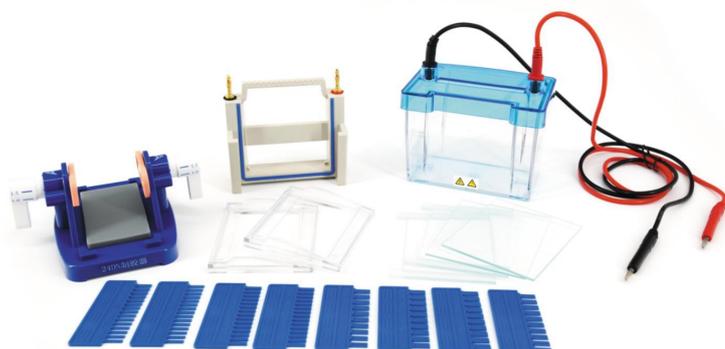
Specification

Dimension (LxWxH)	240×150×240mm
Gel Size (LxW)	170×170mm
Comb	20 wells and 26 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	40-52
Buffer Volume	600 ml
Weight	6.0kg

Recommended Power Supply: DYY-6C/6D/8C/10C



Model DYCZ-24DN



Feature

- Made of high quality transparent polycarbonate, exquisite and durable, easy for observation;
- With a gel casting in original position, able to cast and run the gel at the same place, simple and convenient to make gels, and save your precious time;
- Special wedge frame design can fix gel room firmly;
- Molded buffer tank equipped pure platinum electrodes;
- Easy and convenient to add samples;
- Able to run one gel or two gels at the same time;
- Save buffer solution;
- Special design of the tank avoid buffer and gel leakage;
- Removable electrodes, easy to maintain and clean;
- Auto-switch-off when the lid is opened.



Application

For protein electrophoresis



Specification

Dimension (LxWxH)	140×100×150mm
Gel Size (LxW)	75×83mm
Comb	10 wells and 15 wells
Comb Thickness	1.0mm and 1.5mm (Standard) 0.75mm (Optional)
Number of Samples	20-30
Buffer Volume	400ml
Weight	1kg

Recommended Power Supply **DYD-6C/6D/8C/10C/12**



Model DYCZ-24EN



Feature

- Made of high quality transparent polycarbonate, exquisite and durable, easy for observation;
- With a gel casting in original position, able to cast and run the gel at the same place, simple and convenient to make gels, and save your precious time;
- Special wedge frame design can fix gel room firmly;
- Molded buffer tank equipped pure platinum electrodes;
- Easy and convenient to add samples;
- Able to run one gel or two gels at the same time;
- Save buffer solution;
- Special design of the tank avoid buffer and gel leakage;
- Removable electrodes, easy to maintain and clean;
- Auto-switch-off when the lid is opened;
- Built-in heat exchanger can eliminate the heat produced during the running.

Application

For SDS-PAGE, Native PAGE electrophoresis and two-dimensional gel electrophoresis.

Specification

Dimension (LxWxH)	210×120×220mm
Gel Size (LxW)	130×100mm
Comb	12 wells and 16 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	24-32
Buffer Volume	1200 ml
Weight	2.0kg



Recommended Power Supply DYY-6C/6D/8C/10C/12



Model DYCZ-24F



Feature

- Made of high quality transparent polycarbonate, exquisite and durable, easy for observation;
- With a gel casting in original position, able to cast and run the gel at the same place, simple and convenient to make gels, and save your precious time;
- Special wedge frame design can fix gel room firmly;
- Molded buffer tank equipped pure platinum electrodes;
- Easy and convenient to add samples;
- Able to run one gel or two gels at the same time;
- Special design of the tank avoid buffer and gel leakage;
- Removable electrodes, easy to maintain and clean;
- Auto-switch-off when the lid is opened;
- Built-in heat exchanger can eliminate the heat produced during the running.

Application

For SDS-PAGE, Native PAGE electrophoresis and two-dimensional gel electrophoresis.

Specification

Dimension (LxWxH)	300×160×300mm
Gel Size (LxW)	200×175mm
Comb	16 wells and 21 wells
Comb Thickness	1.0mm (Standard) 1.5mm (Optional)
Number of Samples	32-42
Buffer Volume	3500 ml
Weight	4.0kg



Recommended Power Supply **DYY-6C/6D/8C/10C/12**



Model DYCZ-25D



Feature

- With a gel casting in original position, able to cast and run the gel at the same place, simple and convenient to make gels, and save your precious time;
- Casting gel in original position: Install gel casting chamber in the main body of electrophoresis apparatus directly, able to cast and run the gel at the same place;
- Strong compatibility: Two different sizes of gel can be placed, able to separate samples that mini size gel can't do and improve samples' resolution;
- Simplified high-end product: Simplified design for operation requirements and clamping installation;
- High-quality materials with skilled technique: Casting mold with high strength PC material, which is solid and durable. High transparent tank, easy for observation;
- Heat dissipation design: Sufficient buffer can absorb heat, the V-shape protective strip for positive electrode ensures platinum wire and buffer have good contact to avoid heating. 1cm space kept in the bottom of tank can be placed magnetic rod to stir. With vents on the top lid, release the heat and water mist during running.

Application

For SDS-PAGE, Protein electrophoresis



Specification

Dimension (LxWxH)	175×163×165mm	
Gel Size (LxW)	73×83mm	95×83mm
Comb	10 wells and 15 wells	
Comb Thickness	1.0mm and 1.5mm	
Number of Samples	40-60	
Buffer Volume	1350 ml	
Weight	1.0kg	



Recommended Power Supply **DYY-6C/6D/8C/10C/12**



Model DYCZ-25E



Feature

- Two main body carry 1-4 pieces of gel;
- Glass is optimized design, greatly reduce the breakage possibility;
- Install rubber chamber in the electrophoresis core subject directly, a set of two pieces of glass plate installed respectively;
- Can cast and run 4 gels at the same time, ensure consistent experiment condition;
- Operation requirement is very simple and accurate limit installation design, make high-end product simplification;
- Casting mold with high strength PC material, which is solid durability. Tank is beautiful and transparent, the running status can be shown clearly.

Application

For SDS-PAGE, Protein electrophoresis

Specification

Dimension (LxWxH)	200×175×175mm	
Gel Size (LxW)	104×100mm	
Comb	13 wells and 21 wells	
Comb Thickness	1.0mm and 1.5mm	
Number of Samples	52-54	
Buffer Volume	850ml (2 gels)	1200ml (4 gels)
Weight	1.5kg	

Recommended Power Supply **DYY-6C/6D/8C/10C/12**



Model DYCZ-26C



Feature

- High transparent poly-carbonate plastic injection molded tank;
- With the special gel casting, makes the gel casting easy and reliable;
- Special balance disc keep the gel balance in first dimension;
- Dielectrophoresis can be finished in one day, saving time, lab materials and space;
- No gel and buffer leakage;
- Auto-switch-off when the lid is opened;
- Limit function and accurate operation.

Application

For 2-DE proteome analysis, need WD-9412A to cooling the second dimension.

Specification

Dimension (LxWxH)	300 X 160 X 300 mm
Buffer Volume	3500ml
The 1D Tube Gel Size(DxL)	Φ 2.5 x 90mm or 170mm
The 2D Gel Size(LxW)	200 x 175mm (dual plates)
Weight	9.5kg



Recommended Power Supply DYY-10C/12/12C

Model DYCZ-27B



Feature

Unique gel casting device, convenient and quick.

Application

For the tubular Isoelectric focusing gel electrophoresis and can be used for the first dimension of 2-DE.

Specification

Dimension (LxWxH)	170×170×235mm	
Gel Size (LxW)	Φ 5×90mm	Φ 5×170mm
Number of Samples	12	
Buffer Volume	1000ml	
Weight	2.0kg	

Recommended Power Supply DYY-10C/12

Model DYCZ-30C



Feature

- The tank body is molded, high transparent, and no leakage;
- Double clamp-plate that can cast two gels at one time;
- Different teeth of combs for running different number of samples;
- High resolution of simple separation.

Application

For SDS-PAGE, Protein Electrophoresis, particularly suitable for seed purity test or more sample of protein electrophoresis.

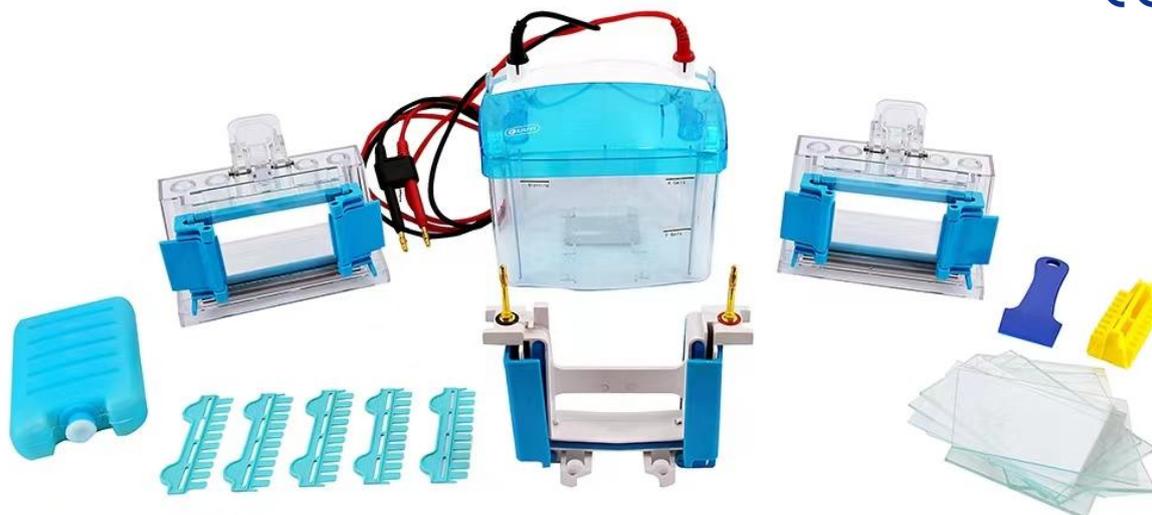
Specification

Dimension (LxWxH)	245×160×181mm
Gel Size (LxW)	105×185mm
Comb	25 wells, 40 wells and 52 wells
Comb Thickness	1.0mm and 1.5mm
Number of Samples	50-80
Buffer Volume	1750 ml
Weight	1.7kg

Recommended Power Supply DYY-6C/6D/8C



Model DYCZ-MINI2



Feature

- The product fits for small size PAGE gel electrophoresis;
- The product's parameters, accessories are fully compatible with main brand products in the market;
- Advanced structure and delicate design;
- Ensure the ideal experiment effect from gel casting to gel running.

Application

For SDS-PAGE, Protein Electrophoresis

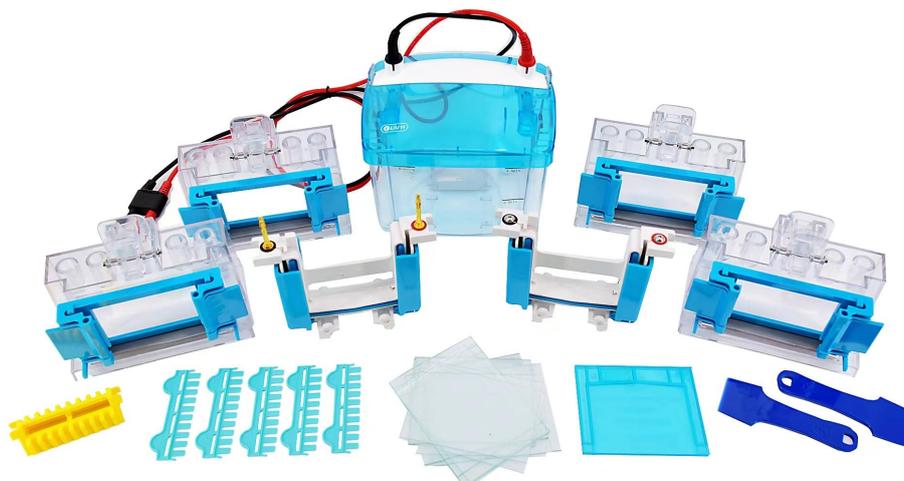
Specification

Gel Size (LxW)	83×73mm
Comb	10 wells (Standard) 15 wells (Optional)
Comb Thickness	1.0 mm (Standard) 0.75, 1.5 mm (Optional)
Short Glass Plate	101×73mm
Spacer Glass Plate	101×82mm
Buffer Volume	300 ml

Recommended Power Supply DYY-6C/6D/10C



Model DYCZ-MINI4



Feature

- The product parameters, accessories are fully compatible with main brand products in the market;
- High pure platinum($\geq 99.95\%$) electrodes reach the best performance of conductivity;
- Leak-free electrophoresis;
- Special comb design avoid contacting with air during gel casting, to ensure the uniform when gel solidifies;
- Runs 1–4 mini polyacrylamide gels in 45 min;
- Ability to run either precast or handcast gels;
- Exclusive sample-loading guides direct pipet tips into sample wells — no more missing or doubling up samples in a lane.

Application

For SDS–PAGE, Protein Electrophoresis

Specification

Dimension (LxWxH)	160×120×180mm
Gel Size (LxW)	83×73 mm (Handcast) 86×68 mm (Precast)
Comb	10 wells (Standard)
Comb Thickness	1.0 mm (Standard) 0.75, 1.5 mm (Optional)
Short Glass Plate	101×73mm
Spacer Glass Plate	101×82mm
Buffer Volume	2gels:700 ml ; 4 gels: 1000 ml
Weight	2.0kg

Recommended Power Supply DYY-6C/6D/10C



Model DYCZ-40D



Feature

- The tank body is molded, high transparent, and no leakage;
- Made of high quality transparent polycarbonate with platinum electrodes;
- Fast transfer speed and high transfer efficiency;
- A seamless, injection-molded transparent buffer tank prevents leakage and breakage;
- Gel holder cassettes with different colors ensure correct placing;
- Compatible with the lid and the buffer tank of DYCZ-24DN.

Application

Used to transfer the protein molecule from the gel to membrane like nitrocellulose membrane in the Western Blot experiment.

Specification

Dimension (LxWxH)	140×100×150mm
Blotting Area (LxW)	87×95mm
Continuous Working Time	≥24 hours
Buffer Volume	400ml
Weight	1.0kg



Recommended Power Supply DYCZ-6C/6D/7C

Model DYCZ-40F



Feature

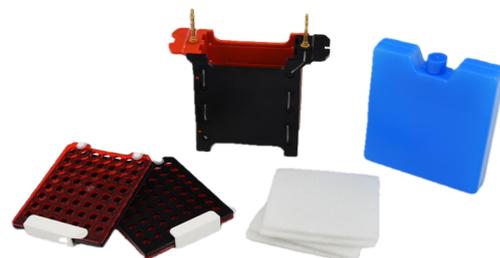
- Made of high quality transparent polycarbonate with platinum electrodes;
- Fast transfer speed and high transfer efficiency;
- A seamless, injection-molded transparent buffer tank prevents leakage and breakage;
- Customized blue ice pack as cooling unit, which can help the rotor magnetic stirring, better for heat dissipation;
- Compatible with the lid and the buffer tank of DYCZ-25E.

Application

Used to transfer the protein molecule from the gel to membrane like nitrocellulose membrane in the Western Blot experiment.

Specification

Dimension (LxWxH)	200×175×175mm
Blotting Area (LxW)	104×110mm
Continuous Working Time	≥24 hours
Buffer Volume	1200ml
Weight	1.5kg



Recommended Power Supply DYY-6C/6D/7C



Model DYCZ-40G



Feature

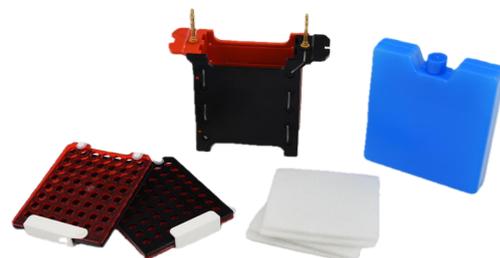
- Made of high quality transparent polycarbonate with platinum electrodes;
- Fast transfer speed and high transfer efficiency;
- A seamless, injection-molded transparent buffer tank prevents leakage and breakage;
- Gel holder cassettes with different colors ensure correct placing;
- Compatible with the lid and the buffer tank of DYCZ-25D.

Application

Used to transfer the protein molecule from the gel to membrane like nitrocellulose membrane in the Western Blot experiment.

Specification

Dimension (LxWxH)	175 × 163 × 165mm
Blotting Area (LxW)	95 × 110mm
Continuous Working Time	≥24 hours
Buffer Volume	1350ml
Weight	2.5kg



Recommended Power Supply DYY-6C/6D/7C

Model DYCP-40C

Model DYCP-40E



Feature

- Special design and selected material;
- Semi-dry blotting, no need buffer solution;
- Fast transfer speed and high transfer efficiency;
- Safe plug technique, all the exposed parts are insulated;
- The transfer bands are very clear.

Application

For fast transferring the protein molecule from the gel to membrane like nitrocellulose membrane.

Specification

DYCP-40C

Dimension (LxWxH)	210 × 186 × 100mm
Blotting Area (LxW)	150 × 150mm
Continuous Working Time	≥24 hours
Weight	3.0kg

DYCP-40E

Dimension (LxWxH)	270 × 250 × 104mm
Blotting Area (LxW)	200 × 200mm
Continuous Working Time	≥24 hours
Weight	5.0kg

Recommended Power Supply DYY-6C/7C

Model DYCZ-TRANS2



Feature

- Rapidly transfer the small size gels;
- Two Gel holder cassettes can be placed in the tank;
- Can run up to 2 gels in one hour. It can work over night for low-intensity transfer;
- Strong electric field arising with the electrodes placed 4 cm apart can ensure the effective of native protein transfer;
- Gel holder cassettes with different colors ensure correct placing.

Application

Used to transfer the protein molecule from the gel to membrane like nitrocellulose membrane in the Western Blot experiment.

Specification

Dimension (LxWxH)	160×120×180mm
Blotting Area (LxW)	100×75mm
Number of Gel Holders	2
Electrode Distance	4cm
Buffer Volume	1200ml
Weight	2.5kg

Recommended Power Supply DYY-6C/6D/7C



Electrophoresis Power Supply

Technical specifications for Electrophoresis Power Supply

Model	DYY-2C	DYY-6C	DYY-6D	DYY-7C	DYY-8C	DYY-10C	DYY-12	DYY-12C
Volts	0-600V	6-600V	6-600V	2-300V	5-600V	10-3000V	10-3000V	20-5000V
Current	0-100mA	4-400mA	4-600mA	5-2000mA	2-200mA	3-300mA	4-400mA	2-200mA
Power	60W	240W	1-300W	300W	120W	5-200W	4-400W	5-200W
Type of output	Constant voltage /constant current	Constant voltage /constant current	Constant voltage /constant current /constant power	Constant voltage /constant current	Constant voltage /constant current	Constant voltage /constant current /constant power	Constant voltage /constant current /constant power	Constant voltage /constant current /constant power
Display	LED digital	LCD Screen	LCD Screen	LCD Screen	LCD Screen	LCD Screen	LCD Screen	LCD Screen
Number of output jacks	2 sets	4 sets	4 sets	4 sets	2 sets	2 sets	4 sets	2 sets
Memory Function	●	●	●	●	●	●	●	●
Step	—	—	3 steps	—	—	9 steps	9 steps	9 steps
Timer	●	●	●	●	●	●	●	●
Volt-hour Control	—	—	—	—	—	●	●	●
Pause/resume function	1 group	1 group	10 groups	1 group	1 group	10 groups	10 groups	10 groups
Automatic recovery after power failure	—	—	●	—	—	—	—	—
Alarm	●	●	●	●	●	●	●	●
Low current maintain	—	—	●	—	—	—	—	—
Stable state Indicate	●	●	●	●	●	●	●	●
Overload detection	●	●	●	●	●	●	●	●
Short-circuit detection	●	●	●	●	●	●	●	●
No-load detection	●	●	●	—	●	●	●	●
Ground leak detection	—	—	—	—	—	●	●	●
Dimensions (L x W x H)	315×290×128	315×290×128	246×360×80	315×290×128	315×290×128	303×364×137	303×364×137	303×364×137
Weight (kg)	5	5	3.2	5	5	7.5	7.5	7.5

Model DYY-2C



Feature

- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- LCD displays voltage, electric current, timing time;
- With automatic memory function, able to store the operation parameters;
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change.

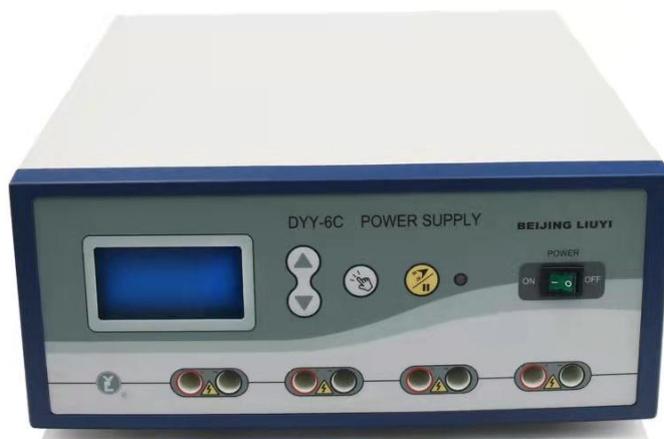
Application

Used For the low-current and low-power electrophoresis experiments.

Specification

Dimension (LxWxH)	315 x 290 x 128mm
Output Voltage	0-600V
Output Current	0-100mA
Output Power	60W
Output Terminal	2 pairs in parallel
Weight	5.0kg

Model DYY-6C



Feature

- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- LCD displays voltage, electric current, timing time;
- With automatic memory function, able to store the operation parameters;
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change.

Application

Used For the low-current and low-power electrophoresis experiments.

Specification

Dimension (LxWxH)	315 x 290 x 128mm
Output Voltage	6-600V
Output Current	4-400mA
Output Power	240W
Output Terminal	4 pairs in parallel
Weight	5.0kg

Model DYY-7C



Feature

- The max output current is 2000mA;
- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- LCD displays voltage, electric current, timing time;
- With automatic memory function, able to store the operation parameters;
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change.

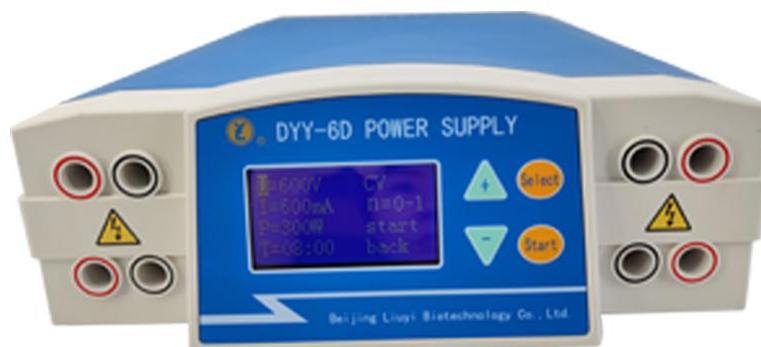
Application

For trans-blotting electrophoresis and suitable for electrophoresis with multi-tanks.

Specification

Dimension (LxWxH)	315 x 290 x 128mm
Output Voltage	2-300V
Output Current	5-2000mA
Output Power	300W
Output Terminal	4 pairs in parallel
Weight	5.0kg

Model DYY-6D



Feature

- Exquisite appearance, light and delicate;
- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- LCD displays voltage, electric current, timing time;
- With automatic memory function, able to store the operation parameters;
- With step-by-step control function;
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change.

Application

For DNA, RNA, protein electrophoresis and suitable for electrophoresis with multi-tanks.

Specification

Dimension (LxWxH)	246 x 360 x 80mm
Output Voltage	6-600V
Output Current	4-600mA
Output Power	1-300W
Output Terminal	4 pairs in parallel
Weight	3.2kg

Model DYY-8C



Feature

- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- LCD displays voltage, electric current, timing time;
- With automatic memory function, able to store the operation parameters;
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change.

Application

For general protein, DNA, RNA electrophoresis

Specification

Dimension (LxWxH)	315 x 290 x 128mm
Output Voltage	5-600V
Output Current	2-200mA
Output Power	120W
Output Terminal	2 pairs in parallel
Weight	5.0kg

Model DYY-10C



Feature

- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- Large LCD screen, LCD displays voltage, electric current, timing time;
- With stand, timing, V-hr, step-by-step operation function;
- With automatic memory function, able to store the operation parameters (9 groups with 9 programs can be stored);
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change, electric leakage;
- Won the second prize of Beijing Science and Technology Achievement Award.

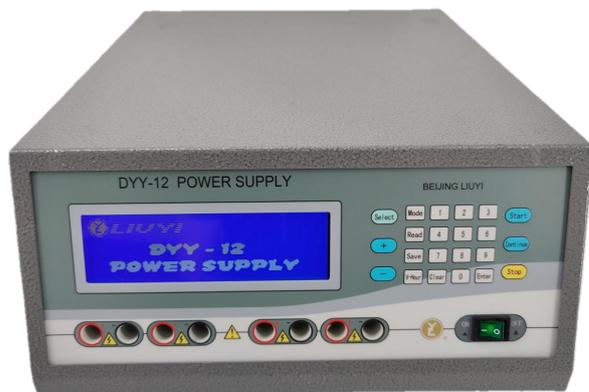
Application

Suitable for series of electrophoresis, including DNA sequencing analysis, isoelectric focusing electrophoresis etc.

Specification

Dimension (LxWxH)	303 x 364 x 137mm
Output Voltage	10-3000V
Output Current	3-300mA
Output Power	5-200W
Output Terminal	2 pairs in parallel
Weight	7.5kg

Model DYY-12



Feature

- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- Large LCD screen, LCD displays voltage, electric current, timing time;
- With stand, timing, V-hr, step-by-step operation function;
- With automatic memory function, able to store the operation parameters (9 groups with 9 programs can be stored);
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change, electric leakage.

Application

Suitable for series of electrophoresis, including DNA sequencing analysis, isoelectric focusing electrophoresis etc.

Specification

Dimension (LxWxH)	303 x 364 x 137mm
Output Voltage	20-5000V
Output Current	4-400mA
Output Power	4-300W
Output Terminal	4 pairs in parallel
Weight	7.5kg

Model DYY-12C



Feature

- Micro-computer processor intelligent control;
- Able to adjust parameters in real time under the working condition;
- Large LCD screen, LCD displays voltage, electric current, timing time;
- With stand, timing, V-hr, step-by-step operation function;
- With automatic memory function, able to store the operation parameters (9 groups with 9 programs can be stored);
- Able to work with constant voltage, constant current, constant power and automatically switch program according to the pre-set parameters for different needs;
- Protection and warning function for unloaded, overload, sudden-load change, electric leakage.

Application

Suitable for series of electrophoresis, including DNA sequencing analysis, isoelectric focusing electrophoresis etc.

Specification

Dimension (LxWxH)	303 x 364 x 137mm
Output Voltage	20-5000V
Output Current	2-200mA
Output Power	5-200W
Output Terminal	2 pairs in parallel
Weight	7.5kg

Blue LED & UV Transilluminator

Technical specifications for Blue LED & UV Transilluminator

Item \ Model	WD-9403A	WD-9403B	WD-9403C	WD-9403E	WD-9403F	WD-9403X
UV Light Transmission Area (W×L) mm	200×200	220×200	200×200	178×50	200×200	Viewing Range(L×W): 150×150mm Input Voltage: AC200-240V Max Power:20W Emission Maxima: 470nm Dimension(L×W×H): 190×205×150
Transmission UV Wavelength (nm)	–	302	302	254, 365	302	
Reflection UV Wavelength (nm)	254, 365	–	254, 365	–	254, 365	
Transmission UV Lamp Power (W)	–	8	8	8	8	
Reflection UV Lamp Power (W)	6	–	6	–	6	
Dimension (W×D×H) mm	425×430×380	390×316×121	425×430×380	430×54×90	425×430×380	

Model WD-9403A



Feature

- Dark chamber design, no need darkroom, can be used in all-weather;
- Safety for the user;
- Drawer-type light box, convenient for use;
- Strong and durable;
- UV light and white light are available;
- With illumination and camera bracket inside (Camera system is optional).

Application

Apply to observe, take photos for protein electrophoresis gel result.

Specification

Dimension (WxDxH)	425 x 430 x 380mm
Transmission UV Wavelength	/
Reflection UV Wavelength	254nm and 365nm
Transmission Area (LxW)	200x200mm
UV Lamp Power	6W
Weight	20.00kg



Model WD-9403B



Feature

- UV protection cover with damping;
- No dark box, easy to cut glue;
- With the UV transmission function;
- With metal edging.

Application

Apply to observe gel for nucleic acid electrophoresis.

Specification

Dimension (WxDxH)	390 x 316 x 121mm
Transmission UV Wavelength	302nm
Transmission Area (LxW)	220x200mm
UV Lamp Power	8W
Weight	4.6kg

Model WD-9403C



Feature

- Dark chamber design, no need darkroom, can be used in all-weather;
- Safety for the user;
- Drawer-type light box, convenient for use;
- Strong and durable;
- 3 different wavelengths of UV light are available;
- With illumination and camera bracket inside (Camera system is optional).

Application

Apply to observe, take photos for nucleic acid electrophoresis

Specification

Dimension (WxDxH)	425 x 430 x 380mm
Transmission UV Wavelength	302nm
Reflection UV Wavelength	254nm and 365nm
Transmission Area (LxW)	200x200mm
UV Lamp Power	8W for 302nm lamp 6W for 254nm and 365nm lamp
Weight	20.00kg



Model WD-9403E



Feature

- Lightweight durable plastic lamps;
- Portable;
- 2 different wavelengths of UV light available;
- Simple and easy to use.

Application

For viewing electrophoresis sample of nucleic acid or spilled fluorescent dye during the running.

Specification

Dimension (WxDxH)	340 x 54x 90mm
Transmission UV Wavelength	/
Reflection UV Wavelength	254nm and 365nm
Transmission Area (LxW)	50x178mm
UV Lamp Power	6W
Weight	0.50kg

Model WD-9403F



Feature

- Dark chamber design, no need darkroom, can be used in all-weather;
- Safety for the user;
- Drawer-type light box, convenient for use;
- Strong and durable;
- 3 different wavelengths of UV light are available;
- With illumination and camera bracket inside (Camera system is optional).

Application

Apply to observe, take photos for protein and nucleic acid electrophoresis.

Specification

Dimension (WxDxH)	425 x 430 x 380mm
Transmission UV Wavelength	302nm
Reflection UV Wavelength	254nm and 365nm
Transmission Area (LxW)	200x200mm
Visible Light Transmission Area	200x200mm
UV Lamp Power	8W for 302nm lamp 6W for 254nm and 365nm lamp
Weight	20.00kg



Model WD-9403X



Feature

- Dark chamber design, no need darkroom, can be used in all-weather;
- Uniformity: $\geq 90\%$, uniform excitation, no flicker when taking pictures, clearer band;
- Heat Release: Easy to dissipate heat, able to work stably for long time;
- More Lighter: Ultra-thin and the thickness is about 15mm;
- More Safer: The blue light filter can effectively filter the illuminance of blue light. No damage to the human body without goggles and masks, and it makes experiments more easier;
- Easy to clean: The blue light filter and the cover are designed separately for easily cleaning;
- Adjustable brightness for easy observation.

Application

Apply It applies to observe and analyse nucleic acids, proteins and other substances in the life science research field. It is suitable for nucleic acid stain and other various blue stains.

Specification

Dimension (LxWxH)	190x205x150mm
Filter Size (LxWxH)	180X205X220mm
Viewing Range (LxW)	150x150mm
Max Cutting Gel Size	150x150mm
Uniformity	$\geq 90\%$
Brightness Adjustment	Knob step-less adjustment
LED Lifetime (hours)	≥ 30000 hs
Emission Maxima (nm)	470nm
Max Power	20W
Input Voltage	AC200-240V



Gel Imaging & Analysis System

Technical specifications for Gel Imaging & Analysis System

Item	Model	WD-9413A	WD-9413B	WD-9413C
UV Light Transmission Area (W×L)mm		252×252	252×252	252×252
Visible Light Transmission Area (W×L)mm		260×175	260×175	260×175
Transmission UV Wavelength (nm)		302	302	302
Reflection UV Wavelength (nm)		254, 365	254, 365	254, 365
Transmission UV Lamp Power (W)		8	8	8
Reflection UV Lamp Power (W)		8	8	8
Dimension (W×D×H)		8	8	8
Resolution		consistent with the camera	1.3/5/6.4 million	1.3/5/6.4 million
Optical zoom		consistent with the camera	6X optical zoom	6X optical zoom

Model WD-9413A



Basic Specification

Dimension (WxDxH)	458x445x755mm
Transmission UV Wavelength	302nm
Reflection UV Wavelength	254nm and 365nm
UV Light Transmission Area	252×252mm
Visible Light Transmission Area	260×175mm



Application

Apply to observe, take photos and analyse testing results of nucleic acid and protein electrophoresis.

Feature

- Dark chamber, no need dark room, can be used in all-weather;
- Drawer-type light box, convenient to use and avoid contamination;
- Real time preview and auto-focus function;
- UV filter: Compatible with EB, Sybr,GoldView etc.fluorescent dye;
- Compatible with various image formats : tif ,jpg, bmp, gif, pcx.



Technical Specification

- Resolution: consistent with the camera;
- Effective pixels: 14.7 million pixels;
- Pixels density: 8 bit;
- Digital zoom: consistent with the camera;
- Optical zoom: consistent with the camera;
- Aperture range: F2.8/F4.5-F8.0;
- The speed of shutter:15-1/4000ms;
- Macro automatic focus: consistent with the camera;
- Able to professionally analyse the result of 1D, 2D and AFLP experiments.

Powerful Analysis Software

- The image processing function;
- 1D analysis function;
- AFLP, RFLP, PCR homologous genetic clustering tree analysis;
- 2D analysis function;
- Clone technology;
- Colony and spot hybridization;
- Data results with MS Excel seamless connection;
- Software can be used for Win98/Me/2000/Windows7/Windows10.

System Configuration

- Imported high resolution digital camera
- Imported professional analysis software
- High configuration computer
- High resolution colorful ink-jet printer



Model WD-9413B



Basic Specification

Dimension (WxDxH)	458x445x755mm
Transmission UV Wavelength	302nm
Reflection UV Wavelength	254nm and 365nm
UV Light Transmission Area	252×252mm
Visible Light Transmission Area	260×175mm



Application

Apply to observe, take photos and analyse testing results of nucleic acid and protein electrophoresis.

Feature

- Dark chamber, no need dark room, can be used in all-weather;
- Drawer-type light box, convenient to use and avoid contamination;
- Real time preview and manual-focus function;
- UV filter: Compatible with EB special super multi-layer coating filter;
- Compatible with various image formats : tif ,jpg, bmp, gif, pcx;
- Can directly cut gel in dark chamber.



Technical Specification

- Effective pixels:1.3 megapixels (5 or 6.4 megapixels with 6 times zoom lens optional);
- Pixel Size: 5.2μm(H)×5.2μm(V)
- The speed of shutter:1-2000ms
- Able to professionally analyse the result of 1D, colony and spot hybridization.

Powerful Analysis Software

- The image processing function;
- 1D analysis function;
- Clone counting;
- Colony and spot hybridization;
- Data results with MS Excel seamless connection;
- Software can be used for Win98/Me/2000/Windows7/Windows10.

System Configuration

- Imported high resolution digital camera
- Imported professional analysis software
- High configuration computer
- High resolution colorful ink-jet printer



Model WD-9413C



Basic Specification

Dimension (WxDxH)	388x375x753mm
Transmission UV Wavelength	302nm
Reflection UV Wavelength	254nm and 365nm
UV Light Transmission Area	252×252mm
Visible Light Transmission Area	260×175mm



Feature

- Dark chamber design; no need dark room; can be used in all-weather;
- Drawer-type light box, convenient to use and avoid contamination;
- Real time preview and autofocus function;
- UV filter: EB special super multi-layer coating filter(M52×0.75);
- Compatible with various image formats: tif ,jpg, bmp, gif;
- 6 x optical automatic zoom lens; remote control electric zoom, intelligent control;
- 1.3 million high resolution megapixel camera;
- Special camera software and analysis software work together, can observe, take photos and analyse at same time. Connect with PC through USB interface, no touching with any internal computer hardware, convenient to maintain and repair;
- UV/white light conversion screen;
- With the function of hard integral;
- Both Computer and pannel can control UV lamp, focusing and aperture size.

Technical Specification

- Effective pixels:1.3 megapixels (5 or 6.4 megapixels with 6 times zoom lens optional);
- Pixel Size: 5.2μm(H)×5.2μm(V)
- The speed of shutter:1-2000ms
- Able to professionally analyse the result of 1D, colony and spot hybridization.

System Configuration

- Imported high resolution digital camera
- Imported professional analysis software
- High configuration computer
- High resolution colorful ink-jet printer

Powerful Analysis Software

- The image processing function;
- 1D analysis function;
- AFLP,RFLP,PCR homologous genetic clustering tree analysis;
- Clone counting;
- Colony and spot hybridization;
- Data results with MS Excel seamless connection;
- Software can be used for Win98/Me/2000/Windows7/Windows10.

Application

Apply to observe, take photos and analyse testing results of nucleic acid and protein electrophoresis.

Model WD-9402D

Feature

- High heating and cooling rate, max. Ramping rate 8 °C/s
- Automatic restart after power failure. When power is restored it can continue to run unfinished program.
- One-click quick incubation function can meet experiment's needs such as denaturation, enzyme cutting/enzyme-link and ELISA.
- Hot lid temperature and hot lid work mode can be set to meet different experiment's need.



Application

Ideal for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc

Technical Specification

Model	WD-9402D	Number of Programs	20000 +(USB FLASH)
Capacity	96×0.2ml	Max. No. of Step	40
Hot Lid Temperature	30-115°C	Max. No. of Cycle	200
Reaction Volume	5-100ul	Time Increment/Decrement	1 Sec - 600 Sec
Temperature Range	0-105°C	Temperature Increment/Decrement	0.1-10.0°C
MAX. Ramp Rate	5°C/s	Pause Function	Yes
Uniformity	≤±0.2°C	Auto Data Protection	Yes
Accuracy	≤±0.1°C	Hold at 4°C	Forever
Display Resolution	0.1°C	Touchdown Function	Yes
Temperature Control	Block/Tube	Long PCR Function	Yes
Ramping Rate Adjustable	0.01-5°C	Language	English
Gradient Temp. Range	30-105°C	Computer Software	Yes
Gradient Type	Normal Gradient	Mobile phone APP	Yes
Gradient Spread	1-42°C	Power Supply	100-240VAC, 50/60Hz 600 W
LCD	10.1inch 1280×800 pels	Communication	USB2.0 , WIFI
Weight	10kg	Dimensions (L×W×H)	385mm×270mm×255mm
Tube	0.2ml tube, 8 strips, Half skirt 96 wells plate, No skirt 96 wells plate		

Model WD-9402M

Application

Ideal for thermal cycling and protocol optimization in molecular biology, medical, food, genetic testing and etc



Feature

- Elegant appearance, compact size, and tight structure.
- Equipped with a high-performance, quiet axial-flow fan for a quieter operational process.
- Features a wide gradient function of 30°C, allowing optimization of experimental conditions to meet rigorous experimental requirements.
- 5-inch high-definition color touchscreen
- Advanced semiconductor cooling technology and unique PID temperature control technology elevate overall performance to new heights: high temperature control accuracy, fast heating and cooling rates, and uniformly distributed module temperatures.

Technical Specification

Model	WD-9402M	Timer Increasing / Decreasing	-599~599S for Long PCR
Capacity	96×0.2ml	Temperature Increasing / Decreasing	-9.9~9.9°C for Touchdown PCR
Heating Lid Temperature range	30°C~110°C	Timer	1s~59min59sec/ Infinite
Block Temperature Range	0-105°C	Programs stored	10000+
Block Temperature Accuracy	±0.2°C	Max.Cycles	99
Block Temperature Uniformity	±0.5°C	Max.Steps	30
Heating Up Rate (average)	4°C	Pause Function	Yes
Cooling down Rate (average)	3°C	Language	English
Temperature Control	Block/Tube	Program Pause Function	Yes
Gradient Temp. Range	30-105°C	16°C Temperature Holding Function	Infinite
Max.Heating Rate	5°C/s	Real-time operation status	Image-text displayed
Max.Cooling Rate 4.5°C /S	4.5°C/s	Communication	USB 2.0
Gradient Set Span	Max. 42°C	Dimensions(W×D×H)mm	200×300×170
Gradient Temperature Accuracy	±0.3°C	Weight	4.5kg
Temperature display accuracy	0.1°C	Power Supply	100-240VAC, 50/60Hz, 600W
Tube	96x0.2ml(PCR plate without/semi skirt), 12x8x0.2ml strips, 8x12x0.2ml strips, 0.2ml tubes (height 20~23mm)		

Model MC-12K



Feature

- Combination rotor for tubes of 0.2-2.0ml
- LED display, easy to operate.
- Adjustable speed and time during working.
- Speed/RCF can be switched
- The top lid is fixed with a push-button buckle, easy to operate
- "Quick" centrifugal button available
- Audio beep alarm & digital display when Error or mis-operation happen

Application

Apply to use in various scientific and medical fields due to their ability to quickly and efficiently separate components in samples.

Technical Specification

Model	MC-12K
Speed Range	500-12000rpm (500rpm increments)
Max RCF	9650×g
Timer	1-99m59s ("Quick"function available)
Acceleration time	≤ 12s
Deceleration time	≤ 18S
Power	90W
Noise Level	≤ 65 dB
Capacity	Centrifugal tube 32*0.2ml Centrifugal tube 12*0.5/1.5/2.0ml PCR strips: 4x8x0.2ml
Dimension (W×D×H)	237x189x125(mm)
Weight	1.5kg

Model WD-9419A

Feature

- Enhanced motor with a high-strength main shaft, maintenance-free, ensuring smooth and low-noise operation.
- Adjustable frequency, touchscreen control, able to customize program storage for easy and intuitive operation.
- High grinding efficiency, fast speed, suitable for various types of tissues.
- Interchangeable adapters, offering a variety of adapter options for different applications



Application

Apply to use in biological and chemical laboratories for the homogenization of various samples, including tissues, cells, and other materials

Technical Specification

Model	WD-9419A
Frequency Range	30HZ-70Hz
Feed Size	According to tube size
Final Fineness	~5 μ m
Grinding Beads Diameter	0.1-30mm
Noise Level	<55db
Grinding Method	wet grinding, dry grinding, cold grinding (no refrigerated function)
Grinding Beads Material	Alloy steel, chrome steel, zirconia, tungsten carbide, quartz sand
Capacity	32 \times 2ml/24 \times 2ml/48 \times 2ml/64 \times 2ml 96 \times 2ml/24 \times 5ml/8 \times 15ml/4 \times 25ml//2 \times 50ml
Acceleration Time	Within 2 sec
Deceleration Time	Within 2 sec
Tube Holder Materials	PTFE / Alloy steel / Aluminium alloy
Safety Guard	Emergency stop button
Power Supply	AC100-120V/AC200-240V50/60Hz 450W
Dimensions (W \times D \times H)	460 \times 410 \times 520mm
Weight	52kg
Power Supply	100-240VAC , 50/60Hz, 600W

Model MIX-S



Feature

- Novel design, compact size, and reliable quality.
- Suitable for oscillating test tubes and centrifuge tubes, providing a significant mixing effect.
- High mixing speed, with a maximum rotational speed of up to 3500rpm.
- External 12V power adapter for enhanced portability and lightweight operation.
- Equipped with rubber suction cup feet for stable and reliable operation.

Application

Apply to use in laboratories and research settings due to its ability to efficiently mix small sample volumes.

Technical Specification

Model	MIX-S
Speed	3500rpm
Amplitude	4mm(Horizontal vibration)
Max. Capacity	50ml
Motor Power	5W
Voltage	DC12V
Power	12W
Dimensions ((W×D×H))	98.5×101×66 (mm)
Weight	0.55kg

Model WD-2112A



Application

Apply to quickly and accurately detect nucleic acid, protein and cell solutions, and is also equipped with a cuvette mode for the detection of bacteria and other culture fluid concentrations.

Feature

- Light Source Flickering: The low-intensity stimulation allows for faster detection of the sample, and it is less prone to degradation;
- 4-Path Detection Technology: offering improved stability, repeatability, better linearity, and a broader measurement range;
- Sample Concentration: Samples do not require dilution;
- Easy-to-use data-to-printer options with a built-in printer, allowing you to directly print reports;
- Developed with an independent Android operating system, featuring a 7-inch capacitive touchscreen.

Technical Specification

Model	WD-2112A
Wavelength Range	190-850nm
Light Range	0.02mm, 0.05mm (High concentration measurement) 0.2mm, 1.0mm (General concentration measurement)
Light Source	Xenon flashing light
Absorbance Accuracy	0.002Abs(0.2mm Light Range)
Absorbance Range (Equivalent to 10mm)	0.02- 300A
OD600	Absorbance range: 0~6.000 Abs Absorbance stability: [0,3)≤0.5%, [3,4)≤2% Repeatability of absorbance: 0,3)≤0.5%, [3,4)≤2% Absorbance Accuracy: [0,2)≤0.005A, [2,3)≤1%, [3,4)≤2%
Operation Interface	7 inch touch screen; 1024×600HD display
Sample Volume	0.5-2 μ L
Nucleic Acid/Protein Testing Range	0-27500ng/ μ l(dsDNA); 0.06-820mg/ml BSA
Detectors	HAMAMATSU UV-enhanced; CMOS Line Array Sensors
Absorbance Accuracy	± 1%(7.332Abs at 260nm)
Testing Time	<5S
Power Consumption	25W
Power Consumption at standby	5W
Power Adapter	DC 24V
Dimensions (W×D×H)	200×260×65(mm)
Weight	5kg

Model WD-2112B



Application

Apply to quickly and accurately detect nucleic acid, protein and cell solutions, and is also equipped with a cuvette mode for the detection of bacteria and other culture fluid concentrations.

Feature

- Light Source Flickering: The low-intensity stimulation allows for faster detection of the sample, and it is less prone to degradation;
- 4-Path Detection Technology: offering improved stability, repeatability, better linearity, and a broader measurement range;
- Sample Concentration: Samples do not require dilution;
- Fluorescence Function: Can detect dsDNA with concentrations at the pg level ;
- Easy-to-use data-to-printer options with a built-in printer, allowing you to directly print reports;
- Developed with an independent Android operating system, featuring a 7-inch capacitive touchscreen.

Technical Specification

Model	WD-2112B
Wavelength Range	190-850nm
Light Range	0.02mm, 0.05mm (High concentration measurement) 0.2mm, 1.0mm (General concentration measurement)
Light Source	Xenon flashing light
Absorbance Accuracy	0.002Abs(0.2mm Light Range)
Absorbance Range (Equivalent to 10mm)	0.02- 300A
OD600	Absorbance range: 0~6.000 Abs Absorbance stability: [0,3)≤0.5%, [3,4)≤2% Repeatability of absorbance: 0,3)≤0.5%, [3,4)≤2% Absorbance Accuracy: [0,2)≤0.005A, [2,3)≤1%, [3,4)≤2%
Operation Interface	7 inch touch screen; 1024×600HD display
Sample Volume	0.5-2 μ L
Nucleic Acid/Protein Testing Range	0-27500ng/ μ l(dsDNA); 0.06-820mg/ml BSA
Fluorescence Sensitivity	DsDNA: 0.5pg/ μ L
Fluorescence Linearity	≤1.5%
Detectors	HAMAMATSU UV-enhanced; CMOS Line Array Sensors
Absorbance Accuracy	±1%(7.332Abs at 260nm)
Testing Time	<5S
Power Consumption	25W
Power Consumption at standby	5W
Power Adapter	DC 24V
Dimensions ((W×D×H))	200×260×65(mm)
Weight	5kg



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