

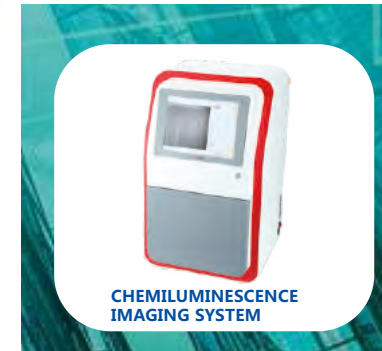


Адрес: г. Москва, ул.
Красноармейская д.2, стр. 4

Телефон: 8 495 614-61-27
Email: info@alamed.ru



MICRO SPECTROPHOTOMETER

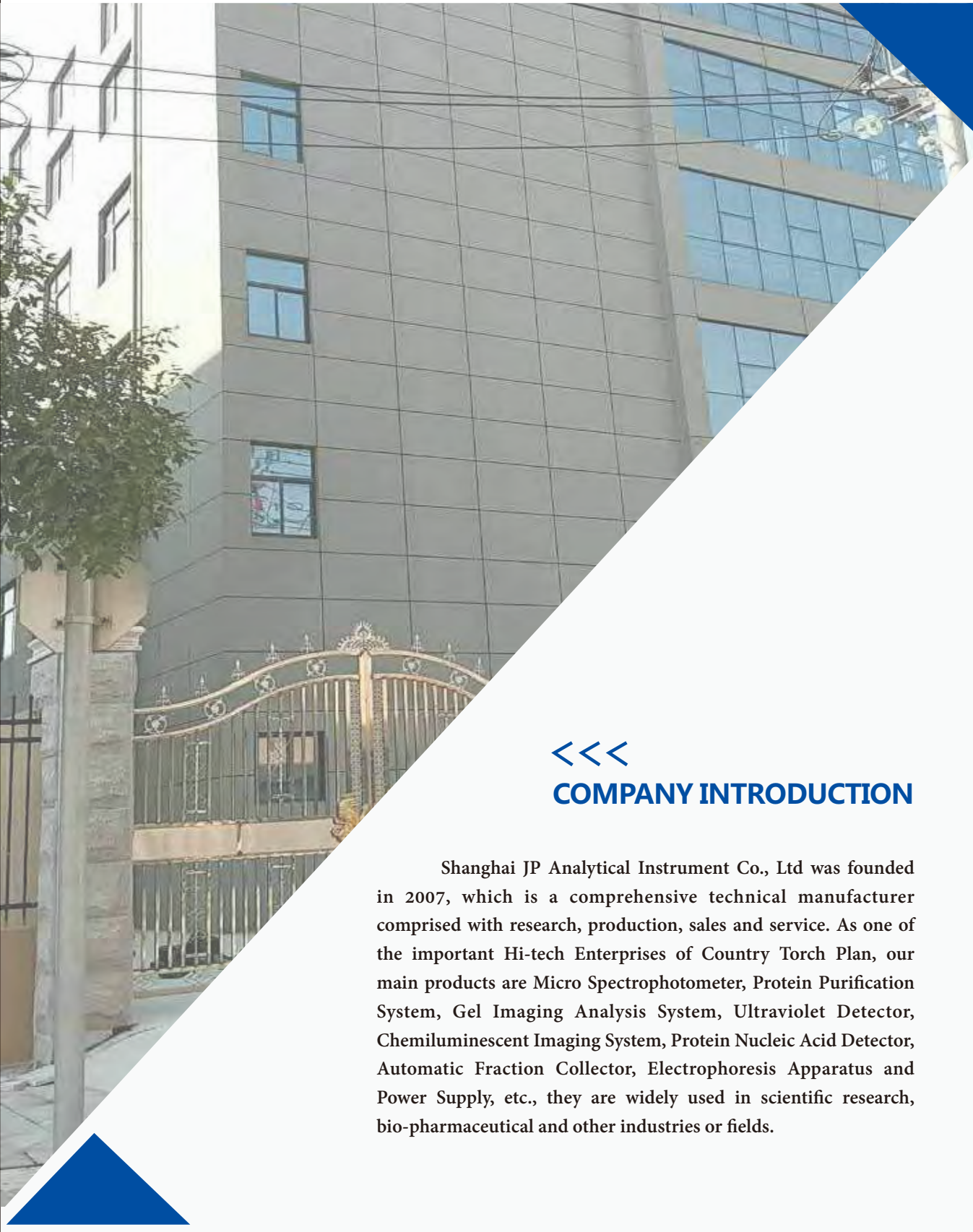


CHEMILUMINESCENCE
IMAGING SYSTEM



PROTEIN PURIFICATION SYSTEM





<<< COMPANY INTRODUCTION

Shanghai JP Analytical Instrument Co., Ltd was founded in 2007, which is a comprehensive technical manufacturer comprised with research, production, sales and service. As one of the important Hi-tech Enterprises of Country Torch Plan, our main products are Micro Spectrophotometer, Protein Purification System, Gel Imaging Analysis System, Ultraviolet Detector, Chemiluminescent Imaging System, Protein Nucleic Acid Detector, Automatic Fraction Collector, Electrophoresis Apparatus and Power Supply, etc., they are widely used in scientific research, bio-pharmaceutical and other industries or fields.

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PRODUCT DESCRIPTION



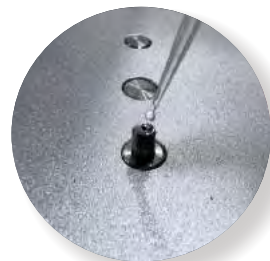
Micro spectrophotometer was designed to lead future technology, and integrate application concept of intelligent technology and advanced concentration detection technology, then successfully launched a customized intelligent Android system with intuitive interface and convenient operation.

We got Shanghai high-tech achievements conversion project in Nov.2021.
NO: 202104414.

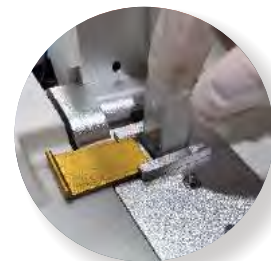
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THREE DETECTION METHODS



Fluorescence mode



Base detection



Cuvette mode

High Sensitivity Host

Higher sensitivity and high precision with 3648 pixel linear CCD array.

Wider Wavelength Spectrum

Continuous wavelength range is 185 -910nm, and any wavelength band can be selected to detect more different kinds of samples.

Highly Repeatable Data

Mature dynamic variable optical path concentration detection technology can easily realize the stepless automatic change of optical path from 0.02mm to 1mm, so as to achieve high repeatability of absorbance detection.

Highly Stable Light Source

Long-life xenon flash lamp ensures the stability of detection and service life of instrument.

10.1inch Screen with Android System

High-definition high-brightness 7-inch capacitive touch screen, optimized design of Android APP software, no additional computer.

Higher and Faster Inspection Speed

Sample detection time is within 5 seconds, and no dilution was required for the measurement of a high concentration sample at 38880ng/ul.

Built-in-Printer

Printing reports directly.

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PRODUCT DESCRIPTION

The Micro Spectrophotometer has two different detection modes - base and cuvette, which are suitable for sample detection in a wider concentration range. It is easy to operate and is mainly used to detect concentration of nucleic acid and purity of protein.

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PRODUCT FEATURES

- 10.1 inch capacitive touch screen and optimally designed APP.
- Need only 0.5~2ul samples to measure purity and concentration, and samples can be recovered.
- New cuvette mode OD600 is convenient for detection of culture medium concentration such as microorganisms.
- Fast detection, each sample can be finished within 5 seconds.
- Built-in printer can print reports directly.
- Data can be output through USB and SD-RAM card, easily analyse and save.
- Fluorescence detection function is optional, compatible with normal fluorescence quantitative reagents.



JP-Blupad1000

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TECHNICAL SPECIFICATION

Model No.	JP-Blupad1000
Operating System	10.1 inch touch screen, Android system
Wavelength Range	185-910nm
Cuvette Mode (OD600)	600±8nm
Sample Volume	0-2ul
Optical Path	1mm / 0.5mm / 0.1mm / 0.05mm / 0.02mm
Light Source	Xenon flash lamp (10-year service life)
Detector	3648 pixel linear CCD array
Wavelength Accuracy	1nm
Wavelength Resolution	≤3nm (FWHM at Hg 546nm)
Absorbance Accuracy	0.002Abs
Absorbance Accuracy	1% (7.332 Abs at 260nm)
Absorbance Range (10mm equivalent)	0-780A
Cuvette Mode (OD600measurement)	0~4A
Detection Time	≤5S
Nucleic Acid Detection Range	0-38880ng/ul (ds DNA)
Protein Detection Range	0.06-820mg/ml (BSA)
Data Output Mode	USB / SD-AM card
Material of Sample Base	Quartz fiber and high hard aluminum
Printing Mode	Built-in thermal printer
Lithium Battery	20000mA (optional)
Fluorescence Detection	Laser wavelength 460nm / emission wavelength 525nm (optional)
Input Power	AC220V, 50/60HZ
Dimension (mm)	220×210×360
N.W. (kgs)	3.9



JP-K3300



PRODUCT DESCRIPTION

- It is a fully automatic multi-functional imaging system integrating gel imaging, chemiluminescence and bioluminescence imaging.
- Equipped with white light transmission plate for detection and analysis of digital images of protein and DNA samples in gels and membranes.



PRODUCT FEATURES

- Latest generation of refrigeration industrial camera with 9 million pixels (optional 23.65 million pixels)
- Equipped with an F/0.95 large aperture prime lens (optional F/0.8 lens)
- Standard two -position object focusing platform with drawer, optional object lifting platform with computer-controlled
- Time of automatic light shutdown can be set freely (0 - 60mins)
- Anti-scattering sample table minimizes the effects of light scattering
- Camera obscura with overhead white light source



TECHNICAL SPECIFICATION

Refrigeration Industrial Camera	Sony ICX695, 4/3 inch, 3000x3000 (9 million pixels)
Dynamic Range	(optional 5376x4400,23.65 million pixels) 4.8OD. 16bit grayscale(0-65535)
Image Size	5.4um×5.4um
Image Merging	1×1 / 2×2 / 3×3 / 4×4 / 6×6 / 8×8
CCD Temperature	Absolute temperature -45°C , Relative temperature -65°C
Photoefficiency	>75%
Lens	F/0.95prime lens (optional F/0.8)
Overhead White Light Source	Extremely high uniformity enhances low-brightness images
Sensitivity	Minimum detectable 0.01ng EB chromosome DNA
Dark Current	< 0.0005e -/pixel
Double Layer Shooting Area	9.5x9.5cm, 12.5x12.5cm
Input Power	AC220V, 50/60HZ
Dimension (mm)	390x440x735
N.W. (kgs)	18.3



JP-K3600



PRODUCT DESCRIPTION

- It is an automatic multi-functional imaging system integrating gel imaging, chemiluminescence and bioluminescence imaging.
- Equipped with white light transmission plate for detection and analysis of digital images of protein and DNA samples in gels and membranes.



PRODUCT FEATURES

- Latest generation of refrigeration industrial camera with 9 million pixels (optional 23.65 million pixels)
- Equipped with an F/0.95 large aperture prime lens, (optional F/0.8 lens)
- Standard two-position object focusing platform with drawer, optional object lifting platform with computer-controlled
- Time of automatic light shutdown can be set freely (0-60mins)
- Anti-scattering sample table minimizes the effects of light scattering
- Camera obscura with overhead white light source



TECHNICAL SPECIFICATION

Refrigeration Industrial Camera	Sony ICX695, 4/3 inch, 3000x3000 (9 million pixels)
Dynamic Range	(optional 5376x4400, 23.65 million pixels) 4.8OD. 16bit grayscale (0-65535)
Image Size	5.4um×5.4um
Image Merging	1×1 / 2×2 / 3×3 / 4×4 / 6×6 / 8×8
CCD Temperature	Absolute temperature -45°C Relative temperature -65°C
Photoefficiency	>75%
Lens	F/0.95prime lens (optional F/0.8)
Overhead White Light Source	Extremely high uniformity enhances low-brightness images
Sensitivity	Minimum detectable 0.01ng EB chromosome DNA
Dark Current	< 0.0005e -/pixel
Double Layer Shooting Area	9.5x9.5cm, 12.5x12.5cm
Excitation Light Source	300nm transmitted UV, 254, 365nm reflected UV(optional)
Transmission Station	Ultra bright UV transmission station, area 200×200mm
Filter Wheel	5-bit filter wheel (optional 10-bit), automatic control, standard F590
Dimension(cm)	390x440x735
N.W.(kgs)	18.3



JP-K3900



PRODUCT DESCRIPTION

- It is a fully automatic multi-functional imaging system integrating gel imaging, chemiluminescence and bioluminescence imaging.
- Equipped with white light transmission plate for detection and analysis of digital images of protein and DNA samples in gels and membranes.
- Detection range: chemiluminescence, fluorescence (ultraviolet, red, green, blue) and white light imaging.



PRODUCT FEATURES

- Latest generation of refrigeration industrial camera with 9 million pixels (optional 23.65 million pixels).
- Equipped with an F/0.95 large aperture prime lens, (optional F/0.8 lens).
- Standard two-position object focusing platform with drawer, optional object lifting platform with computer-controlled.
- Time of automatic light shutdown can be set freely (0-60mins).
- Anti-scattering sample table minimizes the effects of light scattering.
- Camera obscura with overhead white light source.



TECHNICAL SPECIFICATION

Refrigeration Industrial Camera	Sony ICX695, 4/3 inch, 3000x3000 (9 million pixels) (optional 5376x4400, 23.65 million pixels)
Dynamic range	4.8OD. 16bit grayscale(0-65535)
Image Size	5.4um×5.4um
Image Merging	1×1 / 2×2 / 3×3 / 4×4 / 6×6 / 8×8
CCD Temperature	Absolute temperature -45°C, Relative temperature -65°C
Photoefficiency	>75%
Lens	F/0.95prime lens (optional F/0.8)
Overhead White Light Source	Extremely high uniformity enhances low-brightness images
Sensitivity	Minimum detectable 0.01ng EB chromosome DNA
Dark Current	< 0.0005e ⁻ /pixel
Double Layer Shooting Area	9.5x9.5cm, 12.5x12.5cm
Excitation Light Source	300nm transmitted UV, 254, 365nm reflected UV(optional)
Transmission Station	Ultra bright UV transmission station, area 200 ×200mm
Filter Wheel	5-bit filter wheel (optional 1-bit), automatic control, standard F590
Dimension(cm)	390x440x735
N.W.(kgs)	18.3



PRODUCT DESCRIPTION

- Chemiluminescent Imaging System (mini) specializes in chemiluminescence and bioluminescence imaging.
- Luminescent Substrate:Western Lightning, ECL, ECL Plus, CDP Star, SuperSignal, CSPD, Lumi GI0 and so on.



PRODUCT FEATURES

- Latest generation of refrigeration industrial camera with 9 million pixels (optional 23.65 million pixels).
- Equipped with an F/0.95 large aperture prime lens, (optional F/0.8 lens).
- Super space stage (11×11cm) satisfies the conventional WB experiment.
- Time of automatic light shutdown can be set freely (0-60 mins).
- Anti-scattering sample table minimizes the effects of light scattering.



JP-K4600



TECHNICAL SPECIFICATION

Refrigeration Industrial Camera	Sony ICX695, 4/3 inch, 3000x3000 (9 million pixels) (optional 5376x4400, 23.65 million pixels)
Dynamic Range	4.8OD. 16bit grayscale(0-65535)
Image Size	5.4um × 5.4um
Image Merging	1×1 / 2×2 / 3×3 / 4×4 / 6×6 / 8×8
CCD Temperature	Absolute temperature -45°C, Relative temperature -65°C
Photoefficiency	>75%
Lens	F/0.95prime lens (optional F/0.8)
Overhead White Light Source	Extremely high uniformity enhances low-brightness images
Dark Current	< 0.0005e ⁻ /pixel
Shooting Area	10x8.8cm
Input Power	AC220V, 50/60HZ
Dimension (mm)	295x295x450
N.W. (kgs)	5



PRODUCT FEATURES

1.8 inch chip

Oversized photographic area, excellent photographic performance, especially suitable for chemiluminescence imaging with weak signal.

F0.8 super aperture

F0.8 prime lens, to ensure acquisition of weak chemiluminescence signal.

16bit image depth

65536 gray scale, strong and weak signals in 4.8OD quantitative range can get accurate quantitative results.

Large Aperture Fixed Focus Lens for Chemiluminescence Exclusively



High-quality F0.8 large aperture fixed focus lens are used for all JP series, effectively improve transmittance in unit time, then improve signal sensitivity, especially suitable for chemiluminescence experiments with weak signal. Optional automatic exposure, automatic focus.



Refrigeration Industrial Camera

Using refrigeration technology developed for high-end medical and scientific research market users, it has stabilized long-term exposure, good photosensitivity, absolute temperature-45°C, relative room temperature-65°C, minimize noise and maximize detection sensitivity.

RBG LED



535,605,699nm tri-color LED excite Cy2/Cy3/Cy5, such as Westernblots



Automated 5-bit filter wheel

Precision, controllable positioning design, switch filters more convenient, original narrowband filter. Optional 10-bit filter wheel.



PRODUCT DESCRIPTION

1.8 inch chip: Oversized photographic, excellent photographic performance, especially suitable for chemiluminescence imaging with weak signal.

F0.8 super aperture: F0.8 prime lens, to ensure acquisition of weak chemiluminescence signal.

16 bit image depth: 65536 gray scale, strong and weak signals in 4.8OD quantitative range can get accurate quantitative results.

-65C refrigeration depth: Minimize noise and maximize detection sensitivity.

9 million physical pixels: Showing results in high definition without missing any details.

Function of pixel merging: Merging multiple pixels can improve imaging sensitivity and easily detect weak signals.

Large aperture fixed focus lens: High-quality F0.8 large aperture fixed focus lens are used for all JP series, effectively improve transmittance in unit time, then improve signal sensitivity, especially suitable for chemiluminescence experiments with weak signal.

Refrigeration industrial camera: Using refrigeration technology developed for high-end medical and scientific research market users, it has stabilized long-term exposure, good photosensitivity, absolute temperature -45 ° C, relative room temperature -65 ° C, minimize noise and maximize detection sensitivity.

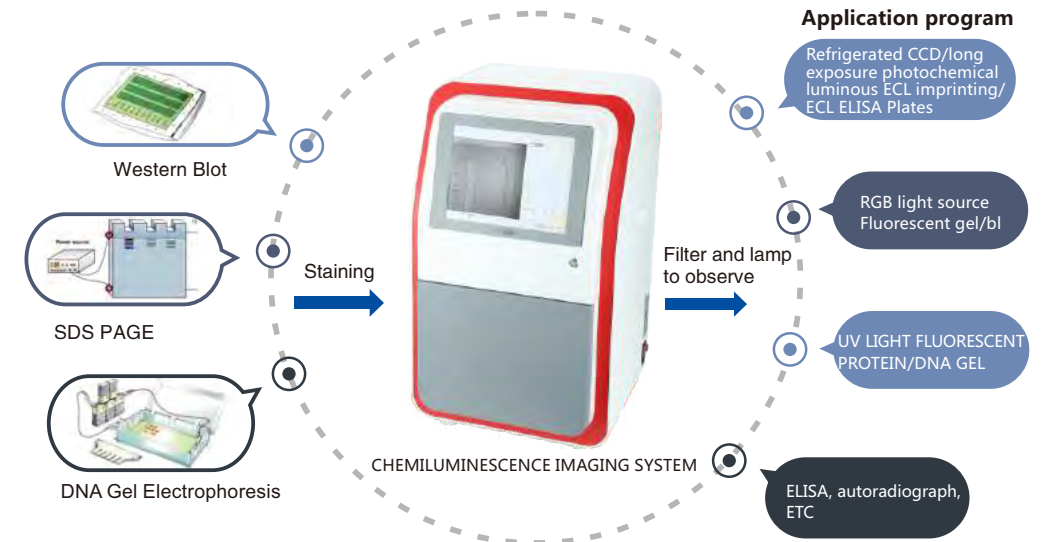
RBG LED: 535, 605, 699nm tri-color LED excite Cy2/Cy3/Cy5, such as Western blots.

Automated 5-bit filter wheel: Precision, controllable positioning design, switch filters more convenient, original narrow band filter. Optional 10-bit filter wheel.



PRODUCT FEATURES

JP Series have a simple and intuitive software interface and real-time imaging capabilities. It is used for fluorescence imaging, visible light imaging, chemiluminescence imaging and so on.



MULTIPLE APPLICATION FUNCTIONS

DNA/RNA imaging, Page glue imaging, fluorescence chip imaging, chemiluminescence imaging, chemiluminescence chip imaging, multicolor fluorescence imaging.

Easy operation.



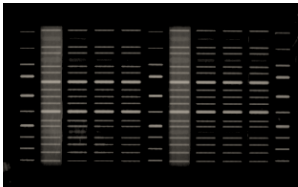
Ultra-sensitive refrigerated CCD camera with large aperture motorized lens.

Reliable experimental data.

Meet different experiments in this field.





IMAGE ACQUISITION IS EXTREMELY SIMPLE

JP image processing system can obtain high resolution chemiluminescent and bioluminescent images with unique design, simple operation and sensitivity.

First Step	Second Step	Third Step
<p>Clip the apply to open imaging software optimization from the desktop.</p>  <p>Keebio Capturer chemi</p>	<p>Five functions - Automatic exposure, cumulative exposure, superposition exposure, multi-frame shooting, MARKER superposition can be selected.</p> 	<p>One click imaging, including instant image optimization after imaging, images can be automatically saved.</p> 

FAST IMAGING, WIDE DYNAMIC RANGE

All aspects of the JP digital darkroom are designed specifically for chemiluminescent Western blots and are optimized for analytical requirements. Its imaging speed and dynamic range are both better than film.

<p>HeLa Cell lysate</p> <p>10ng 30ng 0.1μg 0.33μg 10μg</p>  <p>ERK1/2</p> <p>Anti-ERK antibody, JPK900, 5sec exposure</p>	<p>HeLa Cell lysate</p> <p>10ng 30ng 0.1μg 0.33μg 10μg</p>  <p>ERK1/2</p> <p>Anti-ERK antibody, film, 5 sec exposure</p>
<p>HeLa Cell lysate</p> <p>10ng 30ng 0.1μg 0.33μg 10μg</p>  <p>ERK1/2</p> <p>Anti-ERK antibody, JPK9000, 1 min exposure</p>	<p>HeLa Cell lysate</p> <p>10ng 30ng 0.1μg 0.33μg 10μg</p>  <p>ERK1/2</p> <p>Anti-ERK antibody, film, 1 min exposure</p>

Software copyright registration number : 2019SR0685067, 2019SR0680602

PRODUCT DESCRIPTION

It can be used for the imaging and analysis of DNA/ RNA gel, protein gel, auto radiography film, enzyme label plate, thin layer chromatography plate, etc. And it can do aggregate analysis, molecular weight analysis, cluster analysis, homology analysis accurately for bands, spots and any other target region .

PRODUCT FEATURES

- Background elimination, optical density analysis, band quantification, percentage content calculation, colony count and PCR product quantification, etc.
- Suitable for Coomassie bright blue and silver dyed protein glue, fluorescent dye dyed nucleic acid glue, GFP/eGFP analysis, micrographs.
- Auto radiography, Dot Blot analysis, Northern/Western Blot analysis, microplate, Macroarray high-throughput analysis, etc.
- Analysis results can be directly output in Excel tables, and automatically generate reports, easy to archive and call.
- Integration of analysis software and image acquisition software: image capture, analysis of electrophoresis gel, dot blotting, narrow line blotting and colony counting, etc.
- Complete on the same interface.

Molecular weight determination

The molecular weight determination function can be applied to DNA/RNA gel experiment, which can be used for lane correction and strip automatic identification. The molecular weight of each electrophoresis strip can be automatically calculated according to Marker and output in Excel table for easy analysis.



Rapid and simple quantitative analysis

It can quantitatively analyze nucleic acid and protein in rectangle, circle, contour line or any random region, and realize accurate concentration analysis such as molecular weight calculation, band quantification, RF value and percentage content.



Accurate area density calculation

The parameters in a certain area can be customized calculation, such as area density value and average density value.



Flexible lane and strip analysis

The horizontal and vertical degrees of the strip can be adjusted manually for more accurate data.



Software copyright registration number: 2019SR0685051 , 2019SR0219998



(not including computer)

JP-2880

PRODUCT DESCRIPTION

The automatic gel imaging analysis system is mainly used for the analysis and research of electrophoretic gel images and hybrid films, etc. It is fully automatic computer control and highly programmed to be easily operated, convenient and practical.

PRODUCT FEATURES

- Multi-function control panel with touch keys, simple and convenient function selection.
- Zoom, focus, aperture, transmitted UV light and reflection light can be fully automatic controlled by software or chassis panel.
- The high-definition, high-quality images of scientific research CCD reflect more details of the picture, and the ability to analyze weak bands is stronger.
- It is much more intuitional and safe to have real-time observation through software or UV protection window.
- Photos can be saved in TIFF, JPEG and other common formats.
- Timing protection function: If no command is entered within 10 minutes, all light sources automatically turn off, to extend service life.
- System automatically turns off all light sources at the same time, making more safe and efficient to experiment.

TECHNICAL SPECIFICATION

CCD Chip	1/2.5 inch, 2592(H) × 1944(V), 5 million pixels (Optional: 3096x2080 6.4 million pixels)
Dynamic Range	4.5OD. 16bit grayscale, Double-stranded DNA stained by EB less than 20Pg
Image Size	5.7 um x 4.28 um
Pixel Merging	1 × 1, 2 × 2, 3 × 3, 4 × 4
Lens	High permeability electric lens, 8~48mm aperture F1:1.2 automatic
Exposure Time	0.294ms ~ 2000ms
Sensitivity	At least 0.01ngEB chromosome DNA can be detected
Detect the signal-to-noise Ratio	≥56dB
Excitation Light Source	300nm transmitted UV, 254, 365nm reflected UV
Projection Table	Ultra bright UV transmission station, area 210×250mm, white light: 210×300mm
Optical Filter	Standard 590nm, compatible with EB, Sybr, GoldView and most of other fluorescent dyes
Software	JP-GEL 1D Image-Pro Plus
Input Power Supply	AC220V, 50/60HZ
Dimension (mm)	380x430x730
N.W.(kg)	18.4

Utility model patent number: 2019 2 0802187.5

PRODUCT DESCRIPTION

JP-blupad Start is primarily used in molecular biology and enables a variety of commonly used purification techniques such as affinity chromatography, ion exchange chromatography, desalination and buffer exchange, as well as gel filtration.



JP-blupadStart

PRODUCT FEATURES

- Boot base can be balanced without preheating
- 10.1 inch HD touch screen
- Flow type conductance detector
- English and Chinese operation interface is interchangeable, have easy operation for user
- Preset programs can be operated as your needs
- Data is automatically saved in real time to prevent data loss caused by unexpected power outage
- Gradient and flow rate can be modified online in real time with a high precision constant flow pump
- Highly sensitive fixed wavelength UV detector
- Suitable for fraction collector, total collection, AU value and conductivity collection
- Experimental data can be exported by Excel
- Dual channel collection valve: one for collection, the other for waste liquid

TECHNICAL SPECIFICATION

System pump	Constant flow pump provides continuous, stable and precise flow rates
Velocity range	0.1~ 10ml/min
Ultimate withstand voltage	Pressure 3bar
Mixer	Static, 200ul
Velocity accuracy	±1.2%
Gradient type	Equal degree, step gradient, gradient ratio can be modified online
Detection wavelength	260nm,280nm,295nm,310nm
Minimum detectable quantity	20ug/ml
Light source	LED cold light source
Wavelength accuracy	±1nm
Detection range	-6 AU to +6AU, linear: ±1.5%, between 0-2AU
Volume of sample cell	10ul
Electrical conductivity detector	Range: 0.001-400.00 ms/cm, accuracy: ±2% can compensate the conductance and temperature
Thermodetector	Detection range 0-100°C, accuracy ±1°C
Sample value	Manual control switch Load, Inject, Waste, suitable for samples in quantitative ring and quantitative cup
Chromatographic workstation	UV, gradient spectral line, temperature, conductivity, collection tube number show on same screen
Setup toolkit	PEEK/PTFE pipes, installation manual, user manual, pipe fittings, common tools, etc
Working temperature	4-40°C
Collection device	JJP-blupadFC supports different collection brackets
Collection methods	Manual, full collection, peak collection
Power supply	220VAC
Dimension(mm)	360x380x470
N.W.(kg)	11



JP-blupadStart



PRODUCT DESCRIPTION

Integrated System

Compact integrated purification system, especially suitable for scientific research laboratories, pharmaceutical factories and other units. Automated purification process helps you easily transform from manual to automatic for protein purification.

Touch-screen

10.1-inch HD touch screen computer, run the system by clicking.

Detecting System

LED cold light source, stepper motor program control detection system, wavelength : 260nm,280nm,295nm, 310nm

Distillate Collection (optional)

JP-blu pad FC fraction collector, XY axis mode, high precision positioning, powerful automatic collection capability, support full collection, peak collection (threshold, slope, conductivity).

Transfusion System

Constant flow pump provides continuous, stable and precise flow rates, ranging from 0.1 to 10 ml/min, with a maximum pressure of 3 bar.

Electrical Conductivity Detector

Spectral line of online conductance detection is convenient for users grasping the experimental data and conditions in real time, and it can compensate the conductance and temperature.

Chromatographic Workstation

Simple and easily operated JP-blupad 1.0 chromatographic workstation; Flow path is doing monitoring and control in real time; Time, UV, gradient line, temperature, conductivity, collection tube number show on same screen. Automatic software control improves collection purity and repeatability.

Sample Valve

Manual control switch Load, Inject, Waste,suitable for samples in quantitative ring and quantitative cup.

Standard Set-up

- Touch screen computer
- UV detector
- Constant flow pump
- Electrical conductivity detector
- Chromatographic workstation
- Manual sampling valves
- Above, one set of each

Utility model patent number: ZL 2019 2 0802201.1

Design patent number: ZL 2021 3 0391697.0

Invention patent number: ZL 2021 1 0687106.3

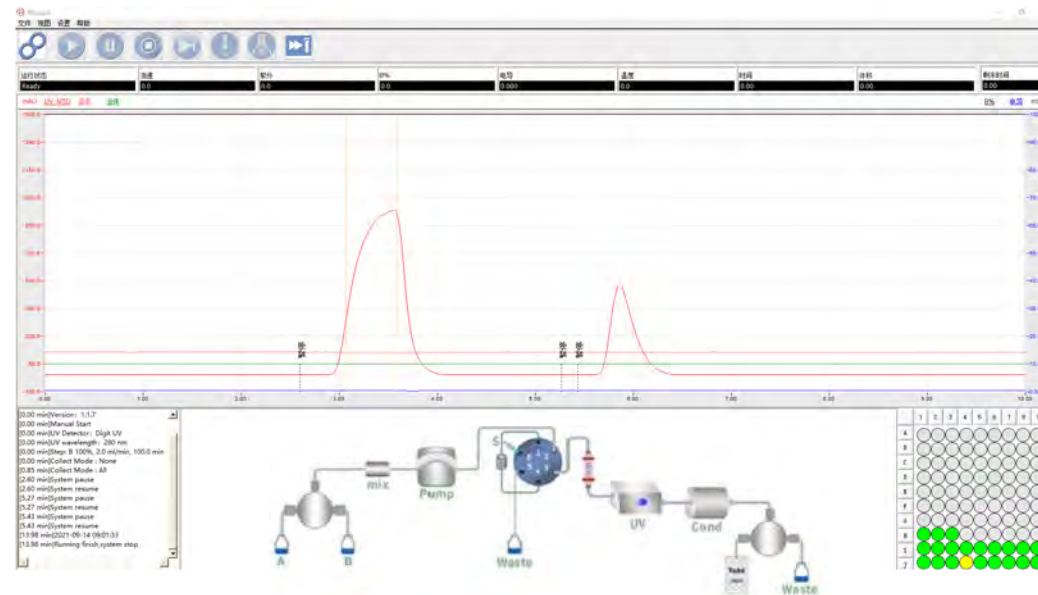
Software copyright registration number: 2019SR0680657



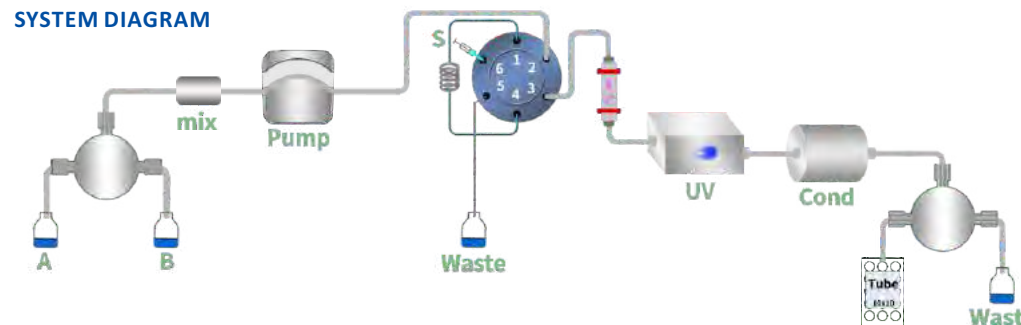
PRODUCT DESCRIPTION

The instrument control interface includes display of the spectrum diagram, status parameters of the current instrument operation, running log and flow diagram.

SOFTWARE INTERFACE



SYSTEM DIAGRAM



PRODUCT FEATURES

Meet the requirements of protein and nucleic acid purification specifications, have functions like user control rights, operation record tracking, result query to ensure the reliability and security of data.

Humanized software design, interchangeable English and Chinese operation interface, automatic chromatographic diagram, can display and save chromatographic data.

Real-time collection and real-time display of various parameters during operation, such as time, UV, gradient spectral line, temperature, conductivity, collection tube number, etc.

Whole process is recorded by software, and you can view all historical operations and the operating status of the instrument at any time at any time.

Data is automatically saved in real time to prevent data loss caused by unexpected power outages.

Software copyright registration number: 2019SR0680608
2021SR1125329



JP-blupadFC

PRODUCT DESCRIPTION

JP-blupadFC is with a new microcomputer chip, which can automatically collect chromatographic liquid by timing, counting drops, recording peak sampling, realizing automatic sampling and collection, to improve collection quality and working efficiency.



PRODUCT FEATURES

- 8.5-inch HD touch screen display and control terminal
- Can be collected by group based on time, drop number, peak value, program control (separately)
- Running Blupad 1.0 control software runs online, it can be collected according to volume and threshold. (Online use)
- Corrosion resistance, suitable for column chromatography separation experiments with water soluble solvent and organic solvent.

TECHNICAL SPECIFICATION

Display mode	8.5-inch HD touch screen display and control
Collecting tube	12ml/pc, 100pcs (standard), 100ml/pc, 16pcs (optional), 50ml/pc, 36pcs (standard), 5ml/pc, 169pcs (optional)
Timing range	1s - 999h 59m 59s, arbitrary selection
Drop range	1 drop - 9999 drops, arbitrary selection
Fixed peak rang	1-200mv, arbitrary selection
Programmed range	Select any of 1-10 segments
Move way	Hanging X-Y movement
Tube change control	12V DC solenoid valve
App date	1-10pcs/mode
Tube tray	Square with waste liquid tank, free combination, optional
Data storage after outage	Ten years
Continuous working hours	More than 200 hours
Input power	AC220V, 50/60HZ
Dimension(mm)	385x390x310
N.W. (kg)	16



JP-3000

PRODUCT DESCRIPTION

Dual beam protein nucleic acid detector adopts liquid chromatography separation technology to detect proteins, nucleic acids,enzymes and peptides. It is suitable for the separation and purification of medicine, natural products and biological macromolecules, and widely used in biochemical research, biological engineering, medical detection, agricultural scientific research, chemical food and other scientific fields.

PRODUCT FEATURES

- Dual beam splitting system design, one beam of light is through reference system, the other light is through sample system
- The boot base can be balanced without preheating
- Built-in blupad chromatographic workstation, automatically draw chromatographic maps
- JPG map can be saved with one click, which is convenient to save and print the map
- Compatible with GE chromatographic column interface for pre-separation in equipment systems such as AKTA
- It won the Shanghai High-tech Achievement conversion project in Nov.2021



JP-3001

TECHNICAL SPECIFICATION

Mode No	JP-3001	JP-3000
Detection wavelength	260nm,280nm,295nm,310nm	
Minimum detectable quantity	20ug/ml	
Wavelength selection	Stepper motor program control	
Light source	LED cold light source, service life more than 50,000 hours	
Zero setting	Two -beam can be zero with one click	
Sensitivity	4/2/1/0.5/0.2/0.1/0.05A	
Noise	<0.0001A	
Drift	≤0.002A/S	
Optical path	2mm	
Sample pool volume	10ul~120ul optional	
Display	Blue film HD	
Input power	AC220V, 50/60HZ	
Dimension(mm)	290x330x470	205x300x180
N.W.(kg)	9	2.6
Touch screen computer	10.1 inch	optional

Utility model patent number: ZL 2019 2 0802201.1
 Design patent number: ZL 2021 3 0391697.0
 Invention patent number: ZL 2021 1 0687106.3
 Software copyright registration number: 2019SR0680657



PRODUCT DESCRIPTION

The automatic fraction collector JP-FCD100 is one of the basic equipment for biochemical experiments and biological drug production. It is a collection device specially designed for sample separation and purification for using in medium and low pressure preparation laboratory. It is made with a new microcomputer chip, and the chromatographic liquid can be automatically collected by timing, drop collection and threshold sampling to improve collection quality and work efficiency.



JP-FCD100



PRODUCT FEATURES

- 5.5-inch touch screen is more intuitive and convenient for users to write programs
- Collection tray have marked numbers, to avoid mixture, each test tube corresponds to one number
- Compact structure ensures maximum space utilization, and easy to use
- Diverse collection modes, it can be collected according to component time, volume and threshold to meet various collection needs
- Parameters, setting tube and final tube can be set arbitrarily
- The volume setting can be delayed for more accurate collection
- Using high-precision resistant organic PEEK fluid stop valve and resistant organic solution, no dripping during switching process
- It can be connected to external control software, and collection status can display visually in workstation software
- External trigger function, dedicated COM interface directly connect and control constant flow pump



JP-FCD160



TECHNICAL SPECIFICATION

Model No.	JP-FCD100	JP-FCD160
Collecting tube	100pcs	160pcs
Capacity	12ml	5ml
Touch screen	5.5 inch	
Fixed peak collection range	0 - 100mV (Online UV host required)	
Timing collection range	1s - 199h 59m 59s, optional	
Drop collection range	1-9999 drops, optional	
Threshold collection range	-6AU-6AU (Online UV host required)	
Test tube tray	Tray is marked with round numbers	
Stop valve	High precision PEEK	
Continuous working hours	More than 200 hours	
Input power	AC220V, 50/60HZ	
Dimension (mm)	265 × 390 × 390	
N.W.(kg)	8.35	



PRODUCT DESCRIPTION

The automatic fraction collector DBS-100\DBS-160 Is one of the basic equipment for biochemical experiments and biological drug production. It is a collection device specially designed for sample separation and purification for using in medium and low pressure preparation laboratory. It is made with a new microcomputer chip, and the chromatographic liquid can be automatically collected by timing, drop collection and threshold sampling to improve collection quality and work efficiency.



SBS-100
SBS-160

DBS-100
DBS-160



PRODUCT FEATURES

- It is made of high strength ABS by injection mold, firm and beautiful
- 35° Angle control panel design is suitable for ergonomic, easily control without bend down
- Blue film LCD display mode, new microcomputer chip control
- Collection tray have marked numbers, to avoid mixture, each test tube corresponds to one number
- Automatic collection, optional, collection tube change does not deviate, tube change positioning
- Have timing function, same size test tube tray is freely interchangeable, no need to check the number when take tubes
- Parameters, setting tube and final tube can be set arbitrarily
- External trigger function, dedicated COM interface directly connect and control constant flow pump
- Using Keebio fluid stop value, test tube tray resistant to organic solvents (optional)



TECHNICAL SPECIFICATION

Model No.	DBS- 100	DBS- 160	SBS- 100	SBS- 160
Collecting tube	100pcs	160pcs	100pcs	160pcs
Capacity	12ml	5ml	12ml	5ml
Fixed peak collection range	0 - 100mV		/	
Timing collection range	1s - 199h 59m 59s, optional			
Drop collection range	1 - 9999 drops, optional			
Display mode	Blue film LCD			
Test tube tray	Tray is maked with round numbers			
Data storage after outage	Ten years			
Continuous working hours	More 200 hours			
Input power	AC220V, 50/60HZ			
Dimension (mm)	265×390×390			
N.W. (kg)	8.35			



DHL-C

PRODUCT DESCRIPTION

Digital display constant flow pump DHL-C is a laboratory instrument for accurate sampling, quantitative analysis and liquid extraction. It can be a set of complete liquid chromatography separation and purification chromatography system together with nucleic acid protein detector and automatic fraction collector.

PRODUCT FEATURES

- 3.5 -inch HD touch LCD screen displays operation flow rate, speed and status in real time
- It is made of high strength ABS by injection mold, small and beautiful
- Input actual flow value obtained from set flow to perform flow correction automatically
- Stepper motor is working with 256 subdivision drive and has speed smooth and reliable performance
- Set flow rate is corrected to obtain the most accurate flow rate
- Start and stop control function of fraction collector is realized by external control
- One click control full speed operation when fill, empty, etc

TECHNICAL SPECIFICATION

Mode No	DHL-C
Pump head	DHL Series 6 rollers
Speed range	0.1 ~ 75rpm, reversible
Flow	2 x (0.1 - 1099) ml/h
Display mode	3.5 inch HD touch screen
Filling function	Quantitative range: 0.1m - 99999.9ml, Timing range:0.1s - 99999.999h
Allocation parameter	Time allocation: 0 - 6553.5s, frequency distribution: 0 - 9999; 0 means infinite loop
Pressure	≥3kg/cm ²
Applicable tube	Ø1.2x3/ 3x5mm
Quantitative range	1-9999ml
Flow correction	Input actual flow value obtained from set flow to perform flow correction automatically
Input power	AC220V, 50/60HZ
Dimension (mm)	125x150x180
N.W. (kg)	1.55



BT-100ST



BT-100SD

- LCD Display
- Separate Function
- Timing Control
- Timing Operation
- Timing Hibernation

PRODUCT DESCRIPTION

Digital display time constant flow pump is a laboratory instrument for accurate sampling, quantitative analysis and liquid extraction. It can be a set of complete liquid chromatography separation and purification chromatography system together with nucleic acid protein detector and automatic fraction collector.

PRODUCT FEATURES

- 4.5 -inch HD touch LCD screen displays operation flow rate, speed and status in real time
- Stepper motor is working with 256 subdivision drive and has speed smooth, accurate flow, low pulse, low noise and reliable performance
- Has a memory function, which is automatically saving status parameters of run -time after shutdown
- Titanium alloy movement, 316 stainless steel roller, abrasion resistance
- Start and stop control function of fraction collector is realized by external control
- Set flow rate is corrected to obtain the most accurate flow rate
- One click control full speed operation when fill, empty, etc

TECHNICAL SPECIFICATION

Model No.	BT-100ST	BT-100SD
Pump head	YZ1515	YZ1515
Flow	0.06 ~2290ml/min	0.9-14500ml/h
Speed range	0.1 ~350rpm, reversible	+0.1~150rpm, reversible
Display mode	4.5 inch HD touch screen	4 digit LED digital speed
Filling function	Quantitative range:0.1ml-9999.9ml, Time range:0.1s-9999.999h	Timed operation:1s-9h59m59s
Allocation parameter	Time allocation:0-6553.5s, frequency distribution: 0-9999; 0 means infinite loop	Timing sleep:0s-9h59m59s
Flow accuracy	±0.5%	
Pressure	≥3kg/cm ²	
Applicable tube	#13/#14/#19 /#16/ #25 /#17/ #18	
Input power	AC220V, 50/60HZ	
Dimension (mm)	330x170x170	
N.W.(kg)	3.56	



HL-2B

HL-2S

HL-2F

PRODUCT DESCRIPTION

Constant flow pump is a laboratory instrument for accurate sampling, quantitative analysis and liquid extraction. It can be a set of complete liquid chromatography separation and purification chromatography system together with nucleic acid protein detector and automatic fraction collector.

PRODUCT FEATURES

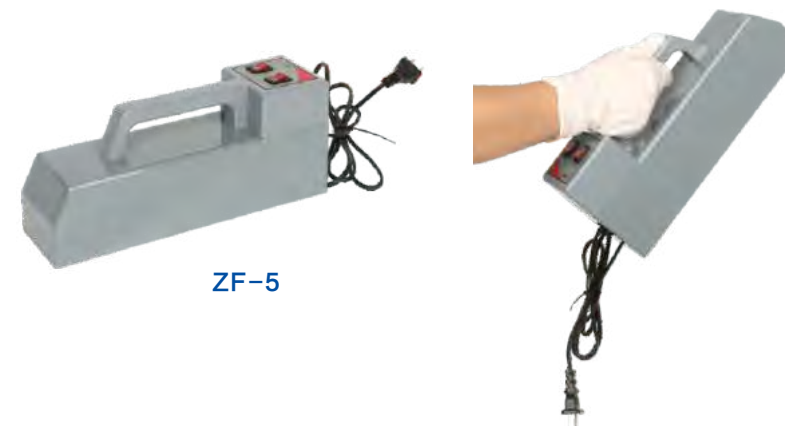
- It is made of high strength ABS by injection mold, firm and beautiful
- The design of 80° Angle control panel conform to ergonomic and can be easily controlled without laborious bending
- Constant flow pump HL-2B has LED digital screen
- Dedicated stepper motor multi-subdivision drive and integrated circuit output, large torque, precision, smooth operation
- External control interface can be used with automatic fraction collector

TECHNICAL SPECIFICATION

Model No	HL-2F	HL-2B	HL-2S
Speed range	0 - 65RPM, filling/dispensing function	0-65PRM, number of stars stepless speed regulation, dual channel	0-65PRM, number of stars stepless speed regulation
Pump head	6 roller dual-channel		6 roller dual channel PTFE pump head
Flow	2x(0.5-900) ml/h		
Display mode	Gold LED digital screen		
Pressure	3 kg/cm ²²		
Operational direction	reversible		
Applicable tube	1.2 × 3.3 × 5		
Input power	AC220V, 50/60HZ		
Dimension (mm)	125x150x180		
N.W. (kg)	1.5		

PRODUCT DESCRIPTION

Portable UV analyzer ZF - 5 is widely used in DNA/ RNA electrophoresis gel , protein gel , blot hybridization auto radiography gel, enzyme labeling plate, petridish, thin layer chromatography and other imaging and image analysis .



ZF-5

PRODUCT FEATURES

- It is made of high strength ABS by injection mold, firm and beautiful
- UV light is filtered through filter to remove other stray light, providing a stable ultraviolet light for fluorescence analysis
- Rocker switch, precise control, transmission 302nm, reflection 254nm, 365nm
- Have nice and simple design, light weight, easy operation, ergonomics and portable, it can be used freely without environmental restrictions
- UV intensity reaches 20μW/cm² away from sample 20cm
- Obtained utility model patent, number is ZL 2022 2 177739.4, ZL 2022 2 2383825.9
- We participated in drafting and implementation of the UV Analyzer calibration specification JJF1936 -2021 issued by State Administration for Market Regulation

TECHNICAL SPECIFICATION

Model No.	ZF- 5
Wavelength	254, 365nm or 302nm double wavelength
Filter size	200x50mm
UV lamp	8W x 2pcs
UV intensity	UV intensity reaches 20μW/cm ² away from sample 20cm
Input power	AC220V, 50/60HZ
Dimension(mm)	280x80x120
N.W.(kg)	0.7



PRODUCT DESCRIPTION

Three - purpose UV analyzer ZF - 6 is mainly used in biological genetic engineering, molecular genetics, medical health, biological products, health and epidemic prevention, dye chemical industry, petrochemical industry, textile industry, public security political and legal departments, cultural relics and archaeology departments, where need fluorescence analysis and verification.



PRODUCT FEATURES

- It is made of high strength ABS by injection mold, firm and beautiful
- The ultraviolet light is filtered through the filter to remove other stray light, providing a stable ultraviolet light for fluorescence analysis
- Rocker switch, precise control, reflection 254nm, 365nm
- UV intensity of nanometer UV lamp reaches 20μW/cm² away from sample 20cm
- Our company participated in drafting the current version of JJF1936-2021 "Ultraviolet Analyzer" national metrological verification regulations



UV lamp



ZF-6



TECHNICAL SPECIFICATION

Model No.	ZF-6
Wavelength	254nm , 365nm, visible light
Filter size	200 × 50mm
UV lamp	8W × 2pcs
Visible light	4W × 1pc
UV lamp angle	Adjustable
UV intensity	UV intensity reaches 20μW/cm ² away from sample 20cm
Input power	AC220V, 50/60HZ
Dimension(mm)	270x280x270
N.W. (kg)	1.2

Utility model patent number: ZL 2019 2 0792756.2, ZL 2022 2 1777391.4, ZL 2022 2 238382.9



PRODUCT DESCRIPTION

Three -purpose UV analyzer with camera obscura is mainly used in biological genetic engineering, molecular genetics, medical health, biological products, drug research, health and epidemic prevention, dye chemical industry, petrochemical industry, textile industry, public security political and legal departments, cultural relics and archaeology departments, where need fluorescence analysis and verification.



PRODUCT FEATURES

It is made of high strength ABS by injection mold, firm and beautiful. Our company participated in drafting the current version of JJF1936-2021 "Ultraviolet Analyzer" national metrological verification regulations



ZF-7

★Rocker switch controls 254, 365nm and visible light accurately.

★The angle of UV lamp can be adjusted to have light source shining down any position in camera obscura, active operation ports are on left and right sides.

★It has an anti-ultraviolet observation window to filter out 99% of UV-light, and samples can be observed in real time, more intuitive, more safe.

★UV intensity of nanometer UV lamp reaches 20μW/cm² away from sample 20cm.



TECHNICAL SPECIFICATION

Model No.	ZF-7
Key display mode	/
Camera function	Camera frame(optional)
Wavelength	254nm, 365nm, visible light
Filter size	200x50mm
UV lamp	8Wx2pcs
Visible light	4Wx1pc
Camera obscure	UV protection viewing windows, active operation ports on left and right sides
UV lamp angle	Adjustable
UV intensity	UV intensity reaches 20μW/cm ² away from sample 20cm
Input power	AC220V, 50/60HZ
Dimension(mm)	280x330x330
Inner dimension(mm)	280x245x220
N.W.(kg)	2.65

Utility model patent number: ZL 2019 2 0792756.2, ZL 2022 2 1777391.4, ZL 2022 2 2383825.9



PRODUCT DESCRIPTION

Four-purpose ultraviolet analyzer with camera obscure is mainly used in biological genetic engineering, molecular genetics, medical health, biological products, drug research, health and epidemic prevention, dye chemical industry, petrochemical industry, textile industry, public security political and legal departments, cultural relics and archaeology departments, where need fluorescence analysis and verification.



ZF-8



PRODUCT FEATURES

- It is made of high strength ABS by injection mold, firm and beautiful.
- Rocker switch controls 254, 302, 365nm and visible light accurately.
- ★The angle of UV lamp can be adjusted to have light source shining down any position in the camera obscura, active operation ports are on left and right sides.
- ★It has an anti-ultraviolet observation window to filter out 99% of UV-light, and samples can be observed in real time, more intuitive, more safe.
- ★UV intensity of nanometer UV lamp reaches 20μW/cm² away from samples 20cm.
- Our company participated in drafting the current version of JJF1936-2021 "Ultraviolet Analyzer" national metrological verification regulations



TECHNICAL SPECIFICATION

Model No.	ZF-8
Key display mode	/
Camera function	Camera frame(optional)
Wavelength	254nm, 365nm, 302nm, visible light
Filter size	200x80mm
UV lamp	8Wx4pcs
Visible light	4Wx1pc
Camera obscure	UV protection viewing windows, active operation ports on left and right sides
UV light angle	Adjustable
UV intensity	UV intensity reaches 20μW/cm ² away from sample 20cm
Input power	AC220V, 50/60HZ
Dimension(mm)	280x330x330
Inner dimension(mm)	280x245x220
N.W.(kg)	3.2

Utility model patent number: ZL 2019 2 0792756.2, ZL 2022 2 1777391.4, ZL 2022 2 2383825.9



PRODUCT DESCRIPTION

Multifunctional UV analyzer uses different wavelengths of ultraviolet light to observe and photograph DNA and RNA electrophoresis gel samples, detect protein and nucleotide. It is suitable for nucleic acid electrophoresis detection, PCR product detection, DNA fingerprint analysis, paper layer chromatography or thin layer chromatography, etc.



ZF1-II



ZF-1



PRODUCT FEATURES

- Integrated camera obscura is made of high strength ABS, no need to operate UV cutting device on both sides in a dark room
- It is equipped with a fixed camera port and frame, which is suitable for most SLR cameras
- It has an anti-ultraviolet observation window to filter out 99% of UV-light, and samples can be observed in real time, more intuitive, more safe.
- UV intensity of nanometer UV lamp reaches 20μW/cm² away from samples 20cm
- Our company participated in drafting the current version of JJF1936-2021 "Ultraviolet Analyzer" national metrological verification regulations



TECHNICAL SPECIFICATION

Model No.	ZF1- II	ZF1-I	ZF-1
Key display mode	normal		
UV lamp	8W × 10pcs	8W × 12pcs	8W × 8pcs
Reflection wavelength	254, 365nm	254, 365nm	/
Reflection filter size	200 × 80mm	200 × 80mm	/
Transmission filter size	200 × 150mm	200 × 200mm	200 × 200mm
Clear panel size	/	210 × 260mm	/
Transmission wavelength	302nm		
Camera function	Camera holder		
Visible light	60W		
Camera obscura	UV protection viewing windows, active operation ports on left and right sides		
UV intensity	UV intensity reaches 20μW/cm ² away from sample 20cm		
Glue cutting tool	1 glue cutter, 4 cutter head		
Input power	AC220V ,50/60HZ		
Dimension(mm)	375 x 280 x 420		
N.W.(kg)	5		

Utility model patent number : ZL 2019 2 0792756.2, ZL 2022 2 1777391.4, ZL 2022 2 2383825.9

PRODUCT DESCRIPTION

High intensity UV analyzer uses different wavelengths of ultraviolet light to observe and photograph DNA and RNA electrophoresis gel samples, detect protein and nucleotide. It is suitable for nucleic acid electrophoresis detection, PCR product detection, DNA fingerprint analysis, paper layer chromatography or thin layer chromatography, etc.

PRODUCT FEATURES

- Integrated camera obscura is made of high strength ABS, no need to operate UV cutting device on both sides in a dark room
- It is equipped with a fixed camera port and frame, which is suitable for most SLR cameras on the market
- It can automatically turn off the light source to avoid UV damage when open light box drawer
- UV light has higher intensity and uniform brightness
- UV lamp can start quickly, protective cover can filter out 99% UV light
- It is light and handy, and with fan cooling device
- Our company participated in drafting the current version of JJF1936-2021 "Ultraviolet Analyzer" national metrological verification regulations



UV-1000



UV-2000



UV-3000

TECHNICAL SPECIFICATION

Model No.	UV-3000	UV-2000	UV-1000
UV lamp	8Wx 12pcs	8Wx8pcs	
Reflection wavelength	254, 365nm	/	/
Reflection filter size	200 x 50mm	/	/
Clear panel size	210 x 260mm		/
Camera obscura	UV protection viewing windows, active operation ports on left and right sides		/
Transmission filter size	200 x 250mm		
Transmission wavelength	302nm		
Camera function	Camera holder		/
Visible light	6W x 2pcs		/
UV intensity	UV intensity reaches 20μW/cm ² away from sample 20cm		
Glue cutting tool	1 glue cutter, 4 cutter head		
Input power	AC220V 50/60HZ		
Dimension (mm)	420 x 355 x 580		335x270x120
N.W. weight (kg)	10		2.9

PRODUCT DESCRIPTION

Blue light glue cutter is used to observe nucleic acid and protein clearly in dyed gels, instead of traditional ultraviolet transilluminator to protect eyes, face, hands and other easily exposed parts of laboratory technician greatly.



JP-BL100

01 High light high definition high sensitivity

02 Long life LED array

03 Cruelty free Blue light source

04 For all kinds of dyes

PRODUCT FEATURES

- It is safe and can avoid damaging human skin and eyes and causing breakage, cross-linking or replacement of nucleic acid fragments by ultraviolet light
- Wide applicability, compatible fluorescent dyes are GeneGreen, Gel Red, GelGreen, SYBR GreenI, SYBR Safe, Goldview, SYBR Gold, SYPRO Ruby, SYPRO Orange, SYPRO Tangerine, eGFP, Cy2, FITC, EB
- Simple operation, put sample in the black cutting area, turn on the switch, light source stimulates the gel sheet evenly, then you can see bright strip for cutting glue, with low background interference
- Blue LED has more than 60,000 hours long service life with high-quality chips and gold wire
- Small and light, can be put into a drawer
- Gel filter plate can be rotated at multiple angles to facilitate glue cutting

TECHNICAL SPECIFICATION

Wavelength	470nm
Cutting surface size	190x11mm
Blue LED service life	> 60,000h
Blue LED irradiation mode	Matrix bottom transmission
Base design	plating
Material	Amber filter is wrapped in a metal frame
Filter angle	Amber filter 0 - 145 ° adjustable
Transformer	DC 12V, 2A
Input power	AC220V, 50/60HZ
Dimension (mm)	220x220x35
N.W. (kg)	1.58

Utility model patent number: ZL 2019 20803446.6



PRODUCT DESCRIPTION

Electrophoresis power supply Keebio-BP300 series are used in application of electrophoresis technology. The power supply is widely used and can meet all electrophoresis experiment needs such as small vertical electrophoresis, high flux electrophoresis and transfer printing.



PRODUCT FEATURES

- Output type: constant voltage, constant current, constant power, timing 1 -999m
- Small, stackable and easy to program
- Have timing control, constant voltage or constant current output
- Have pause and continue running
- Have automatic memory, last electrophoretic setting parameters are displayed after starting up



Keebio-BP300



TECHNICAL SPECIFICATION

Output range	Voltage 10-300V±1V, electricity 4-400mA ±1mA, maximum power 100W
Output plughole	4 sets of output (can be connected to four electrophoresis tanks simultaneously)
Displayer	3-position diode (LED display)
Time alarm	1-999min, adjustable
Operating conditions	0-40°C, humidity 0-95%, no condensed water
Chassis	Stackable non-slip
Safe performance	Through no-load detection, sudden load detection, overload/short circuit protection, input line protection, power failure protection and other tests
Input power	AC220V, 50/6HZ
Dimension (mm)	240x190x50
N.W.(kg)	11



PRODUCT DESCRIPTION

Keebio-miniES is widely used in biochemistry field for teaching, scientific research, food, medical and other industries. Horizontal electrophoresis is mainly used for nucleic acid separation and detection, it is one of the common experimental methods in molecular biology research.



Keebio-miniES



PRODUCT FEATURES

- Set timing function for 1min to 99min, press start button to start
- Design with wide voltage power supply AC100 ~240V, no need external power adapter
- Design with safety cover to have safe operation, power off immediately when lift the cover
- Built-in power supply and tank in one, save space and clean tank conveniently
- Two standard transfer plates (120x60mm and 60x60mm) are compatible with keebio - HE120
- Three output voltages are freely switched, DC35V or DC50V or DC100V



TECHNICAL SPECIFICATION

Output power	Fixed voltage, DC35V or DC50V or DC100V
Inner dimension(WxDxH)	110x121x43mm
Buffer volume	230ml
Tank material	High temperature resistant alloy plastics
Time	1min~99min
Voltage	40W
Input power	AC100~240V, 50~60Hz
Dimension(mm)	205x14x60
N.W. (kg)	0.8
Attachment parameter	
Sample comb size(WxTxN)	3mmx1mmx22/ 5.6mmx1mmx12、 3mmx1mmx18/ 5.6mmx1mmx10
Glue box size(WxD)	126x126mm----1pc
Glue plate size(WxD)	120x60mm----1pc / 60x60mm----2pcs



PRODUCT DESCRIPTION

Keebio-HE120 Gel making can be done in glue tank of multi-purpose glue maker (no need tape sealing).



Keebio-HE120



PRODUCT FEATURES

- Tank is made of PC by injection molding to avoid liquid leakage and observe electrophoresis process easily.
- Safe push-button open cover design, easy to open electrophoretic tank cover.
- Multi-purpose glue maker is made of temperature resistant material (135°C) by injection molding, the same type.
- The horizontal platform is fixed vertically in the tank to make samples in the center and have electrophoresis more convenient.
- High purity 99.95% platinum electrode has the best electrical conductivity and strong corrosion resistance.



TECHNICAL SPECIFICATION

Maximum area for carrying gel(mm)	120x120		
Varieties of gel making plates(mm)	120x120 / 120x 60 / 60x120 / 60x60		
Maximum voltage load	500V		
Total volume of buffer solution(ml)	660		
Gel making spec.(mm)	60x60	Glue filling amount	25~ 30ml/pc
Gel making spec.(mm)	60x120/120x60	Glue filling amount	45~ 50ml/pc
Gel making spec.(mm)	120x120	Glue filling amount	90~ 100ml/pc
8 combs with different teeth and thickness for choice	2, 3, 6, 8, 13, 18, 11, 25teeth, standard combs and various preparation combs		
Sample energy	2, 3, 6, 8, 13, 18, 11, 25teeth, standard combs and various preparation combs		
Sample comb spec.	1.0mm 25teeth	Maximum sample	15µl
Sample comb spec.	1.5mm 18teeth	Maximum sample	25µl optional
Sample comb spec.	1.5mm 13teeth	Maximum sample	50µl optional
Sample comb spec.	2.0mm 3teeth	Maximum sample	80(Marker)/200/300µl/550µl
Dimension(mm)	310x155x70		
N.W.(kg)	1.2		



PRODUCT DESCRIPTION

Keebio-VE180 is a device made by injection moulding for vertical electrophoresis of a small amount of nucleic acid and protein samples.



Keebio-VE180



PRODUCT FEATURES

- Tank is made of PC by injection molding to avoid liquid leakage and observe electrophoresis process easily.
- Safe push-button open cover design, easy to open electrophoretic tank cover.
- Multi-purpose glue maker is made of temperature resistant material (135°C) by injection molding, the same type.
- Glass plate and pad are designed in an integrated way to prevent leakage.
- Various thickness spaced cushioned glass plates and glue combs (0.75mm/1.0mm/1.5mm) for selection (default 1.0mm).
- Easy to operate with a special glue rack.
- Two gels (83 x 73mm) can be run simultaneously.
- High purity 99.95% platinum electrode has the best electrical conductivity and strong corrosion resistance.
- Power off once open the cover, it is safe.
- Limit function of top cover to have correct installation of positive and negative electrodes.
- It can be used with Keebio-VE186 transfer electrophoresis tank as a set.



TECHNICAL SPECIFICATION

Gel qty(pc)	2(default) can upgrade to 4(optional)	Gel size(mm)	Hand filling gel 83x73
Gel thickness(mm)	1(default), 0.75 or 1.5 for option		Precast gel 86x68
Teeth of sample comb	10 or 15 teeth for option	Dimension(mm)	170x120x120
Glass size(mm)	Short glass plate 101×73, long glass plate 101× 82	N.W.(kg)	2.56
Standard Configuration			
Electrophoretic tank cover with wires	1set	10 teeth sample comb	5pcs
Electrophoretic tank down shell	1pc	Siamesed glue seat	2pcs
Electrode main core	1pc	Laminated frame	4pcs
Electrode secondary core	1pc	Glue shovel	1pc
Gel glass thick plate	5pcs	Single gel baffle	1pc
Gel glass thin plate	5pcs	Drying glass rack	1pc



PRODUCT DESCRIPTION

Keebio-VE186 is a transfer electrophoresis tank that can do high quality blot transfer quickly for small gels.



PRODUCT FEATURES

- Tank is made by injection molding to avoid liquid leakage and observe the electrophoresis process easily.
- Open transfer glue holder, easy to operate.
- Electrode wires are spaced 4cm apart to generate a intense electric field and have effective protein transfer.
- Safe push-button open cover design, easy to open electrophoretic tank cover.
- Color-coded transfer clips and electrodes help gel correct orientation during the transfer process.
- High purity 99.95% platinum electrode has the best electrical conductivity and strong corrosion resistance.
- It can transfer 2pcs of 110 x 90mm gels at the same time.
- Transfer time is 30~60min, or low voltage overnight.
- Prefabricated ice can be placed in the specialized tank to have a cooling effect during transfer electrophoresis.
- It can be compatible with vertical electrophoresis tank VE180.



Keebio-VE186



TECHNICAL SPECIFICATION

Maximum gel size(mm)	110x90	Buffer solution(ml)	450
Transfer gel qty	2pcs	Electrode wire distance (mm)	40
Dimension(mm)	180×140×155	N.W.(kg)	1
Standard configuration			
Electrophoretic tank cover with wires	1set	Transfer spongy cushion	4pcs
Electrophoretic tank down shell	1pc	Blue ice box	2pcs
Transfer inner core	1pc		
Gel clamp	2set		



PRODUCT DESCRIPTION

The vortex mixer has the advantages of simple structure, easy operation, small size, low power consumption, fast speed, thorough mixing and high mixing efficiency, and it is widely used in radioimmunoassay and other experiments requiring mixing operation.



Vortex -3



PRODUCT FEATURES

- It is made of enhanced engineering plastics that are resistant to acid, alkali and collision, and its work surface is made of wear-resistant rubber.
- It has continuous, point vibration, speed regulation, plate type, bowl type and other functions.
- Different accessories are available, a variety of oscillating plates can meet different experimental needs, such as centrifugal tubes, test tubes.
- Optional porous adapter 0.2 / 0.5 / 1.5 / 2 / 5ml.



TECHNICAL SPECIFICATION

Speed range	0-3000rpm
Speed display	Scale
Operation mode	Continuous running / inching
Circulation diameter	5mm
Frequency	50HZ
Power	60W
Oscillation mode	Circumference
Motor input power	85W
Motor output power	15W
Allowable ambient temperature	5-40°C
Protection class	Ip56
Allowable ambient humidity	80%
Voltage	198-242V
Dimension(mm)	140×165×190
N.W.(kg)	1.75

Porous Adapter 0.2 / 0.5 / 1.5 / 2 / 5ml

