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Exploring Life Science



Committed to providing professional digital imaging systems and image analysis solutions for the field of life science.

CLINX SCIENCE INSTRUMENTS CO., LTD

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COMPANY PROFILE

2006
Founded in

ABOUT CLINX

Founded in 2006 and headquartered in Shanghai, Clinx Science Instruments Co., Ltd. is a high-tech enterprise integrating research and development, production, sales, and service, committed to providing professional digital imaging systems and image analysis solutions for the field of life science.

The product line includes gel documentation imaging systems, fluorescence and chemiluminescence imaging systems, plant in vivo imaging systems, small animal in vivo imaging systems, live cell imaging systems, etc. Our products are well received by universities, research institutes and biomedical related enterprises in China and are exported to many overseas countries and regions. We strive to better meet the needs of life science researchers through persistent technological innovation, keep pace with the development of life science, and provide better products and services for life science research with the optimization of user experience as the core.

CLINX CULTURE



Business Philosophy

Proficient in quality,
specialized in service,
courageous in innovation



Corporate Mission

To contribute to life
science research



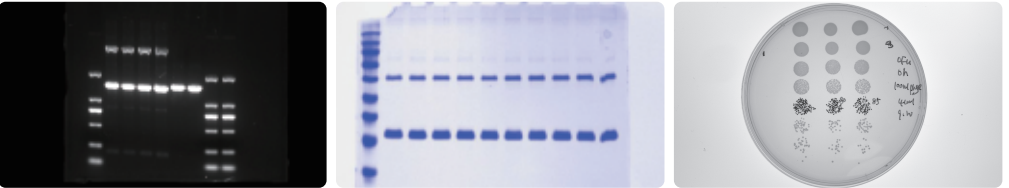
Corporate Values

Integrity, collaboration,
enterprise and sharing

Gel Documentation Imaging System GenoSens 2000 Series

PRODUCT APPLICATION

	PROJECT	DESCRIPTION
01.	Nucleic acid detection	DNA/RNA detection of various nucleic acid dyes, various nucleic acid dyes,
		Such as Ethidium Bromide, Gel Signal Red, Gel Signal Green, SYBR Gold, SYBR
		Green, SYBR Safe, Gel Star, etc.
02.	Protein detection	Coomassie brilliant blue gel, silver staining gel;
03.	Others	Petri dish colony imaging, etc.



01. Gel imaging

02. Coomassie brilliant blue gel imaging

03. Petri dish colony imaging

PRODUCT FEATURES

	PROJECT	DESCRIPTION
01.	Camera	A digital camera with high sensitivity and resolution is adopted, which has fine and clear imaging, low background noise and high dynamic range. It can detect low concentration of DNA/RNA and distinguish very close bands.
02.	Lens	High resolution zoom lens with fast auto-focus function, providing clear image details, digital lens quantization function, zoom ratio, aperture size digitization, improving operation experience and avoiding human operation errors.
03.	The UV transilluminator	302nm UV tubes and shadowless design remove the interference of the shadow, provide a clean background when imaging and cutting gel, and equip professional gel cutting protection device.
04.	The blue light transilluminator	Ultra-thin LED blue light transilluminator with 470nm LED cold light source and touch adjustable light intensity and toughened glass surface resistant to corrosion and scratch uses for DNA/RNA gel blue light detection
05.	The white light transilluminator	Ultra-thin LED white light transilluminator with LED cold light source and touch adjustable light intensity and toughened glass surface resistant to corrosion and scratch uses for Coomassie brilliant blue-stained and silver-stained protein gels.
06.	Fluorescence modules	Equipped with 8-bit electric filter wheel, and can be configured with multiple wavelength filters to realize multi-color fluorescence imaging.
07.	Modular design	GenoSens 2000 series gel documentation imaging system has a variety of configurations and modules to select from to meet your multiple application requirements, and to support future upgrades.
08.	Operation mode	Touch screen/one-button switch scheme for external computer to meet the operation habits of different users.

PRODUCT PROFILE

	DESCRIPTION
01.	GenoSens series Gel Documentation and Analysis System is designed for detection and documentation of nucleic acids and proteins.
02.	High-resolution and high-sensitivity scientific camera enables the instrument to capture weak signals in a very low illumination condition.
03.	Fully automatic computer control and highly programmed make the operation simple and convenient.
04.	The fully functional image analysis software can help researchers get electrophoresis photos and analysis results precisely and rapidly, and helps researchers engaged in molecular biology and hospital clinic get rid of tedious operation process and improve work efficiency.

PRODUCT MODEL

GenoSens 2150	GenoSens 2150 Touch	GenoSens 2250	GenoSens 2250 Touch
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GenoSens image capture and alanysis software
Software Features

IMAGE
COLLECTION

PROJECT	
01.	Real-time preview and auto focus of gel image.
02.	Automatic and manual shooting functions.
03.	Original images autosaving.
04.	High resolution and high sensitivity exposure mode.
05.	Image rotation, cutting, color reversal, false color, etc.

IMAGE
ANALYSIS

PROJECT	
01.	Automatically identify electrophoretic bands, with adding, deleting and adjusting bands as needed, to achieve precise separation of the bands.
02.	Automatically calculate the optical density integral value and display the peak graph, which is convenient to calculate the molecular weight, isoelectric point and concentration, and to calculate the optical density of the designated area, which is applicable to the quantitative analysis of DNA and protein.
03.	With document printing function, the analysis results can be saved as Excel files.

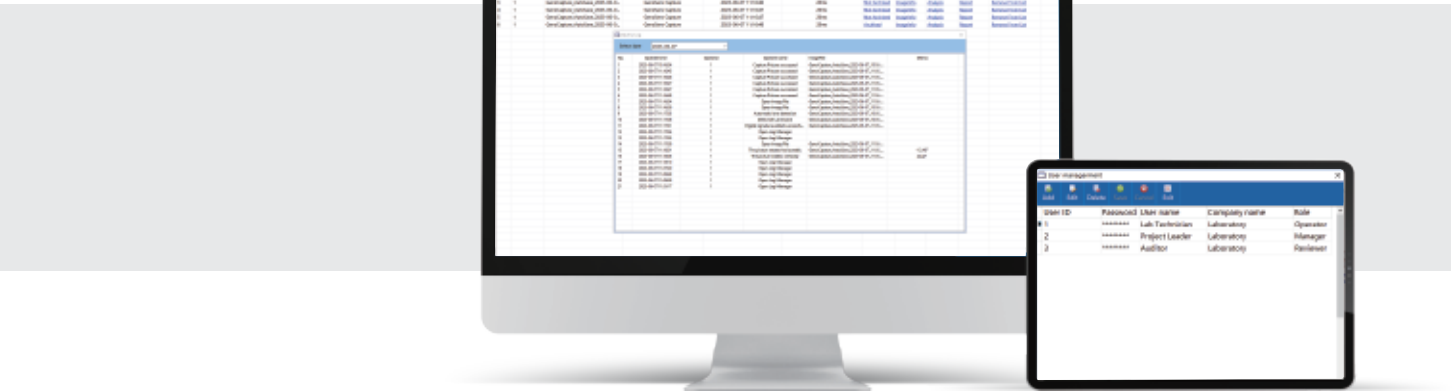


Image operation log User Management Interface

AUDIT TRAIL

The software provides account classification management and image information tracking system. According to the users of different roles, the account with different permissions can be set up to log in through the account password, which is convenient for the use and management of the instrument. The software has electronic signature functions for image collection and analysis operations, as well as tracking functions for image operation records. It can output PDF reports containing account information, original image information, and electronic signatures.

SOFTWARE INTRODUCTION

DESCRIPTION	
01.	The software mainly has image capture, image analysis, audit trail and other functional modules. Multi-level account management system is provided to facilitate the use and management of instruments.
02.	The software integrates camera automatic control, image acquisition, light source control and lens adjustment, which is simple and quick to operate and suitable for the acquisition and analysis of nucleic acid and protein gel images.
03.	The software is independently designed and developed by Clinx Science Instruments Co., Ltd., which obtained the software intellectual property rights.

Fluorescence and Chemiluminescence Imaging System ChemiScope 6000 Series



PRODUCT PROFILE

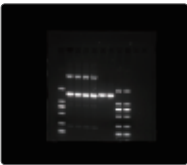
	DESCRIPTION
01.	When using traditional methods to conduct Western Blot experiments, it is necessary to use a darkroom for ECL detection. Not only does building a darkroom waste space, but also the exposure steps in the darkroom are cumbersome, and toxic chemical reagents will be exposed when developing X-ray films.
02.	ChemiScope series is equipped with a high sensitivity detection system, an intuitive operation interface and a friendly human-computer interactive program, which makes chemiluminescence imaging easy and simple.

PRODUCT MODEL

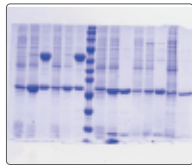
ChemiScope 6100	ChemiScope 6100Touch	ChemiScope 6200	ChemiScope 6200Touch
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PRODUCT APPLICATION

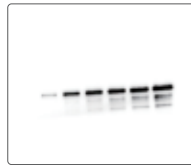
PROJECT	DESCRIPTION
01. Chemiluminescence detection	Detection of chemiluminescence samples based on ECL, ECL PLUS, etc., such as membranes labeled with Western Blot, Northern Blot, Southern Blot.
02. Bioluminescence detection	Luciferase reporter gene assay, etc.
03. Protein detection	Coomassie brilliant blue staining and silver staining protein gel.
04. Nucleic acid detection	DNA/RNA detection of various nucleic acid dyes, such as Ethidium Bromide, Gel Signal Red, Gel Signal Green, SYBR Gold, SYBR Green, SYBR Safe, Gel Star, etc.
05. Fluorescence detection	FAM, Cy2, Cy3, Cy5, GFP and other fluorescent dyes and fluorescent protein detection.




01. DNA/RNA gel imaging



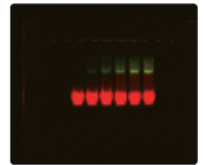
02. SDS/PAGE gel imaging



03. WB Chemiluminescence imaging



04. Protein chip imaging



05. Fluorescence imaging

PRODUCT FEATURES

PROJECT	DESCRIPTION
01. Camera lens	A high-sensitivity cooled CCD camera matching a large aperture lens can capture weak luminous signals.
02. The UV transilluminator	The UV transilluminator: 302nm UV tubes and shadowless design remove the interference of the shadow, provide a clean background when imaging and cutting gel, and equip professional gel cutting protection device.
03. The blue light transilluminator	Ultra-thin LED blue light transilluminator with 470nm LED cold light source and touch adjustable light intensity and toughened glass surface resistant to corrosion and scratch uses for DNA/RNA gel blue light detection.
04. The white light transilluminator	Ultra-thin LED white light transilluminator with LED cold light source and touch adjustable light intensity and toughened glass surface resistant to corrosion and scratch uses for Coomassie brilliant blue-stained and silver-stained protein gels.
05. Fluorescence modules	Equipped with 8-bit electric filter wheel, and can be configured with multiple wavelength filters to realize multi-color fluorescence imaging.
06. Modular design	ChemiScope 6000 series gel documentation imaging system has a variety of configurations and modules to select from to meet different needs, and support future upgrades.
07. Operation mode	Touch screen/external computer one-button switching scheme to meet habits of different users.

ChemiScope image acquisition and analysis software

Software Features



Image analysis operation interface

Image acquisition operation interface

SOFTWARE INTRODUCTION

	DESCRIPTION
01.	The software mainly has image capture, image analysis, audit trail and other functional modules. Multi-level account management system is provided to facilitate the use and management of instruments.
02.	The software integrates camera automatic control, image acquisition, light source control and lens adjustment, which is simple and quick to operate and suitable for the acquisition and analysis of chemiluminescence, fluorescence, protein and nucleic acid gels.
03.	The software is independently designed and developed by Clinx Science Instruments Co., Ltd., which obtained the software intellectual property rights.

IMAGE COLLECTION

	DESCRIPTION
01.	Expose accurately, one touch and shoot, and save automatically.
02.	Accumulate images (1~99 frames) automatically and continuously and capture images in time series.
03.	Take a Marker image and superimpose it with the chemiluminescence image.
04.	High resolution and high sensitivity are optional.
05.	Optimize the image, such as image rotation, cropping, invert color, etc.
06.	Save images, user information, shooting information, etc. as PDF format.
07.	Batch export images in TIFF, JPG and other formats.

IMAGE ANALYSIS

	DESCRIPTION
01.	Automatically identify electrophoretic bands, and add, delete and adjust bands.
02.	Automatically calculate the optical density integral value and display peak graph of each band, which is convenient to calculate the molecular weight of each strip.
03.	Calculate the optical density of the designated area, which is suitable for protein quantitative analysis.
04.	Automatically remove the background mode to get accurate and optimized image analysis data.
05.	The analysis result can export the designed area to Excel File.



Image operation log

User Management Interface

AUDIT TRAIL

The software provides account classification management and image information tracking system. According to the users of different roles, the account with different permissions can be set up to log in through the account password, which is convenient for the use and management of the instrument. The software has electronic signature functions for image collection and analysis operations, as well as tracking functions for image operation records. It can output PDF reports containing account information, original image information, and electronic signatures.

Mini Gel Documentation Imaging System GenoSens S2 of Squirrel Series

PRODUCT PROFILE

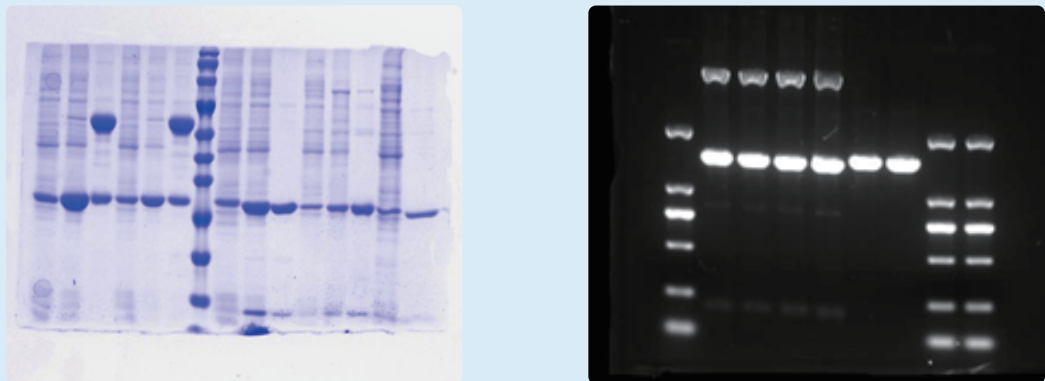
The Squirrel series all-in-one imager has a unique structural design with characteristics of beautiful appearance, exquisite compact, intelligence, high sensitivity and so on. Touch screen operation saves space for external computers. Without complicated installation and debugging, the Squirrel series imagers can be used with power supply. With one-button operation, samples can be automatically injected, images can be automatically taken and experimental results can be presented.



PRODUCT APPLICATION

Used for nucleic acid gel imaging and analysis of safe and low toxic dye labeling, gel cutting and recycling; Cold-stained/silver-stained protein gel imaging and analysis.

GenoSens S2 Photographing sample images



Product Model

- PRODUCT MODEL
- GenoSens S2
- GenoSens S2 Pro
- GenoSens S2 Ultra

PRODUCT FEATURES

	PROJECT	DESCRIPTION
01.	Easy to operate	One-click to take photographs.
02.	High sensitivity	16-bit high sensitivity digital camera to detect low concentration samples.
03.	High resolution	6.37 megapixels, showing clear image details.
04.	Intelligence	One-click to make the sample try in, take photographs and save the experimental result; match the right light sources when switched sample stage
05.	Compact body	The overall size is only 286* 355* 321mm, with a built-in 10.1 inch touch screen control
06.	Data transfer	USB interface. Scalable WiFi data transmission, capable of connecting mouse and printer.

GSMini Image Capture and Alanysis software SOFTWARE FEATURES

Software operation interface

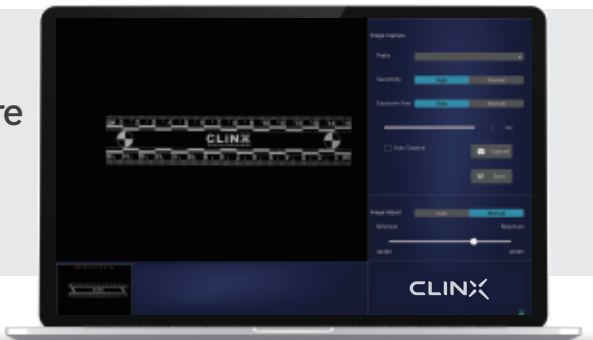


IMAGE COLLECTION

	DESCRIPTION
01.	Precise automatic exposure mode, one-click to take photographs and automatic saving.
02.	With automatic shooting, manual shooting and multi-frame shooting functions.
03.	With exposure modes such as high resolution and high sensitivity selectable.
04.	The brightness of the strip can be adjusted by sliding up and down the image area.

IMAGE ANALYSIS

	DESCRIPTION
01.	Automatically identify electrophoretic bands, and add, delete and adjust bands.
02.	Automatically calculate the optical density integral value and display peak graph of each band, which is convenient to calculate the molecular weight of each strip.
03.	Calculate the optical density of the designated area, which is suitable for protein quantitative analysis.
04.	Automatically remove the background mode to get accurate and optimized image analysis data.
05.	The analysis result can export the designed area to Excel File.

Mini Chemiluminescence Imaging System ChemiScope S6 of Squirrel Series

PRODUCT PROFILE

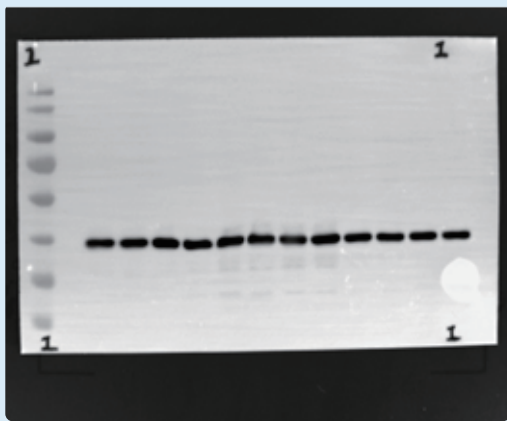
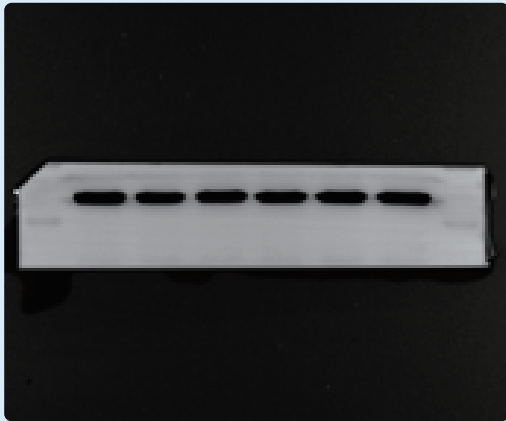
The Squirrel series all-in-one imager has a unique structural design with characteristics of beautiful appearance, exquisite compact, intelligence, high sensitivity and so on. Touch screen operation saves space for external computers. Without complicated installation and debugging, the Squirrel series imagers can be used with power supply. With one-button operation, samples can be automatically injected, images can be automatically taken and experimental results can be presented.



PRODUCT APPLICATION

Detection of chemiluminescent samples based on ECL, ECL PLUS, etc., such as Western Blot, Northern Blot, Southern Blot, and other experiment-related blotting membranes.

ChemiScope S6 Photographing sample images



PRODUCT FEATURES

	PROJECT	DESCRIPTION
01.	Easy to operate	One-click to get satisfactory experimental results.
02.	High sensitivity	A high-sensitivity cooled CCD camera matching a large aperture lens can capture weak luminous signals.
03.	Intelligent operation	Put on the sample, one click, and the inlet automatically takes white light marker and chemiluminescence images and overlays them automatically.
04.	Compact body	The whole machine size is only 286mm * 355mm * 321mm, built-in 10.1-inch touch screen control, saving lab space.
05.	Data transfer	USB interface. Scalable WiFi data transmission, capable of connecting mouse and printer.

CSMini Image Capture and Alanysis software Software Features



Software operation interface

IMAGE COLLECTION

	DESCRIPTION
01.	Expose accurately, one touch and shoot, and save automatically.
02.	Accumulate images (1~99 frames) automatically and continuously and capture images in time series.
03.	Take a Marker image and superimpose it with the chemiluminescence image.
04.	High resolution and high sensitivity are optional.
05.	Sliding on image area can adjust band brightness.
06.	The software provides a user management system with multi-level user rights, which is convenient for instrument use and management.

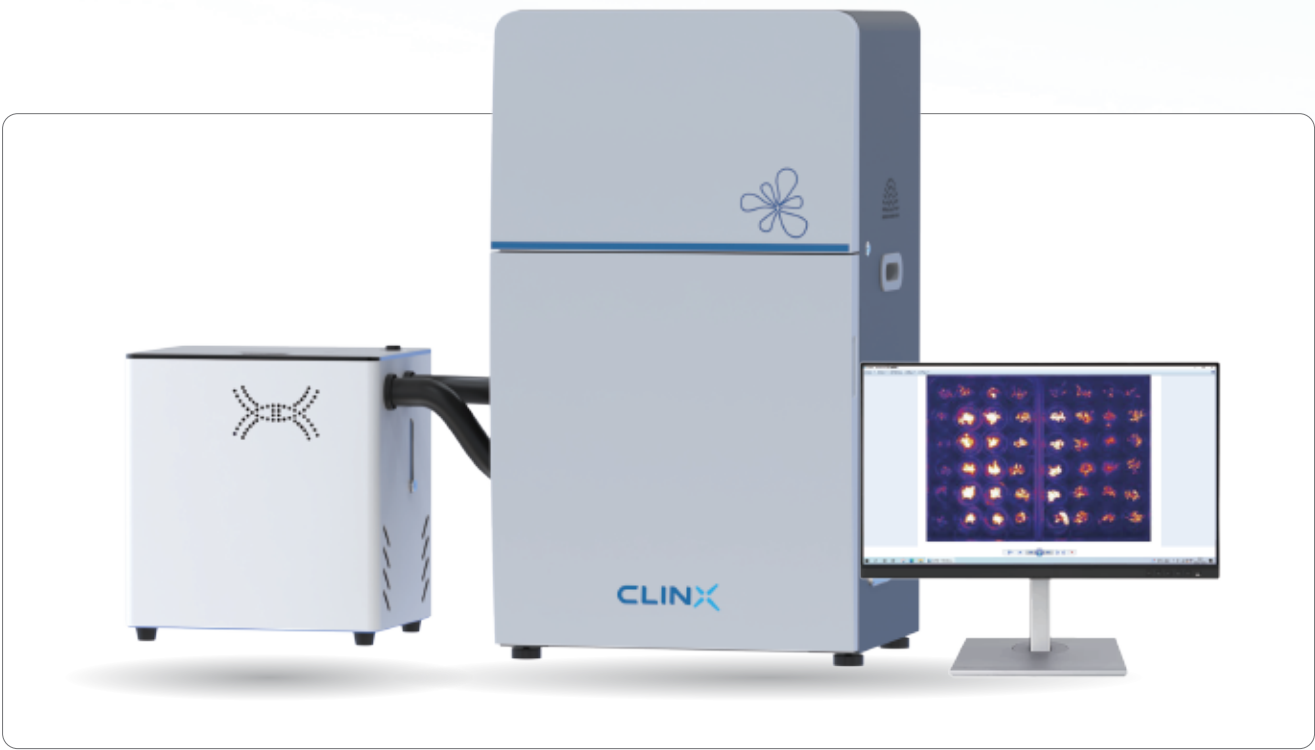
IMAGE ANALYSIS

	DESCRIPTION
01.	Automatically identify electrophoretic bands, and add, delete and adjust bands.
02.	Automatically calculate the optical density integral value and display peak graph of each band, which is convenient to calculate the molecular weight of each strip.
03.	Calculate the optical density of the designated area, which is suitable for protein quantitative analysis.
04.	Automatically remove the background mode to get accurate and optimized image analysis data.
05.	The analysis result can export the designed area to Excel File.

IVScope 7000 Series of Plant in Vivo Imaging System

PRODUCT PROFILE

IVScope 7000 imaging system series for plant in vivo are mainly used for detecting bioluminescence and fluorescence signals of plant in vivo, such as monitoring the expression and distribution of luciferase and GFP reporter genes in the plant IVScope 7000 series are equipped with a high-sensitivity refrigeration CCD camera and lenses with ultra-large aperture, they can detect the weak luminescence signals in the plant with the closed chamber. There are also equipped with lighting system of different color, temperature and humidity control system to cultivate and monitor plant samples constantly for the research of plant growth and development and its regulation, biological rhythms, plant stress-tolerance, protein interactions, bacterial and viral infections and other related researches.



PRODUCT MODEL

- IVScope 7200
- IVScope 7500

PRODUCT APPLICATION

DESCRIPTION		DESCRIPTION	
01.	Biological rhythms and their regulation of plant	06.	Plant Circulation of Ca ²⁺
02.	Botanical growth, development and regulation	07.	Plant Immune Research
03.	Plant clonal screening, protein interactions	08.	Research on Bacterial and Viral Infections and Insect Resistance of Plant
04.	Expression and regulation of plant gene	09.	Research on the Development of Botanical Drug
05.	Botanical stress-tolerance (salt tolerance, cold tolerance, heat tolerance, low phosphorus, etc.)	10.	Plant phenotype research (plant height, angle, leaf shape), etc.

01. Screening of GFP transgenic rice seedlings

02. Screening of luciferase reporter gene from Arabidopsis thaliana

03. Detection of luciferase reporter gene in tobacco

04. Study on the photoperiod of Arabidopsis thaliana

05. Screening of GFP transgenic rice seeds

06. Nanomaterials infesting cucumber leaves

PRODUCT FEATURES

PROJECT	DESCRIPTION
01. Camera lens	A high-sensitivity cooled CCD camera matching lense with a large aperture for capturing the faint luminescence signal of plants.
02. Electric lifting table	Electrically adjust the height of the sample table to meet the shooting needs of different heights and sizes of plants.
03. Fluorescence module	It can carry ultraviolet, visible light,excitation light source with near-infrared wave band and corresponding emission light filter to realize the detection of plant fluorescence signal marked by fluorescent protein and fluorescent probe.
04. Simulated lighting system	Simulates the lighting conditions of plant growth in a dark box, which can be applied to research on biological rhythms and photoperiods of plant.
05. Temperature and humidity control system	Temperature and humidity control system: Combined with a lighting system, it can simulate the natural growth conditions of plants to achieve long-term cultivation and monitoring, and make plant growth conditions quantifiable, improving the repeatability and accuracy of experiments.
06. Lateral Imaging Module	Lateral camera lens, together with the rotating sample stage, can be used for research on vertical growth and plant root.



Simulated lighting system

Temperature and humidity control system

IVScope EQ image acquisition and analysis software
Software Features

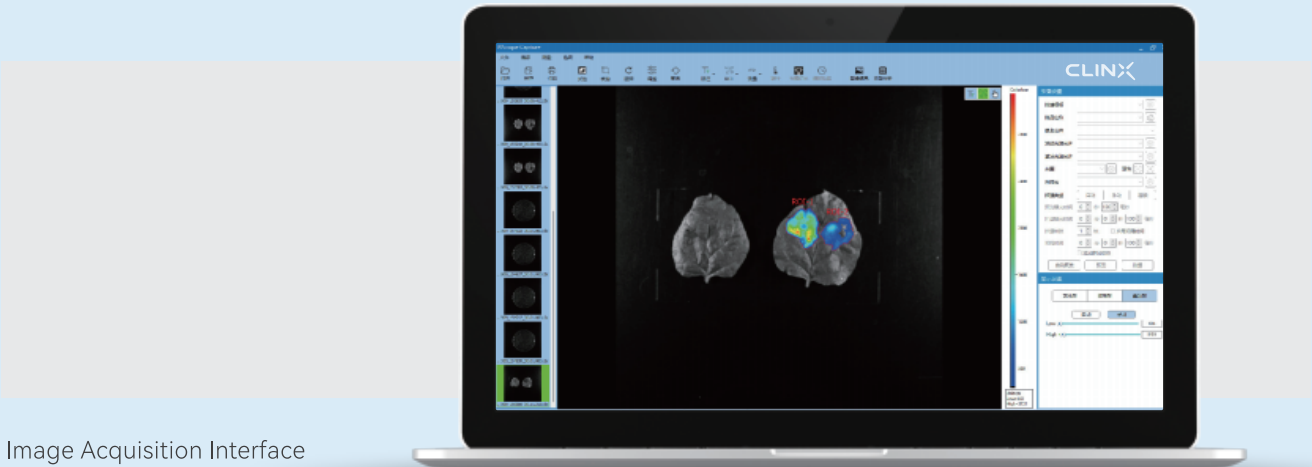


Image Acquisition Interface

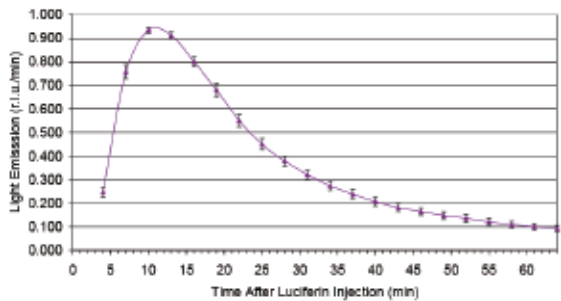
SOFTWARE
INTRODUCTION

	DESCRIPTION
01.	The same software can be used for both image acquisition and data processing and analysis.
02.	With automatic exposure, manual exposure, continuous exposure, interval time exposure and other modes.
03.	With a variety of pixel merging algorithms, can greatly shorten the exposure time and improve signal acquisition sensitivity as well as signal-to-noise ratio.
04.	Support manual and automatic ROI selection and quantitative detection, and can measure indicators such as length, area, and angle.
05.	Support calculation with units of cts, photons, photons/s, p/s/cm ² /sr, p/s/cm ² /sr/uw/cm ² quantitative to meet different application scenarios.
06.	Support image batch processing function, which can perform quantitative analysis on multiple photos at the same time. It can integrate photos collected from multiple groups and time points into one output, presenting the trend of signal changes.
07.	Support video output to show the dynamic changes of experimental results.
08.	Support audit tracking, with account management and image information tracking system, which can output image reports containing account information and original image information as a whole.

SOFTWARE
FEATURES

⦿ VARIETY OF SHOOTING METHODS

Equipped with manual, automatic, and continuous shooting functions. Flexible selection of shooting types can be made rely on the actual experimental needs, which can capture images of individual time points and images that change over time, in order to understand the spatiotemporal distribution of markers in vivo.



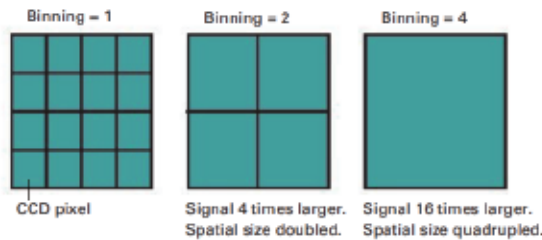
Temporal kinetic profile of Luciferase in vivo

⦿ CYCLE SHOOTING FUNCTION

Shooting parameters can be set according to users' requirements, including shooting cycle, shooting frequency, exposure time, etc. Combined with simulated lighting and temperature and humidity control systems, it can truly achieve long-term repeatable tracking and imaging of the same marker without human interference during the shooting period, significantly improving the reliability and work efficiency of the experiment.

⦿ MULTIPLE PIXEL MERGING ALGORITHMS

Supports up to 16 * 16 binning mode, greatly improving sensitivity for capturing weak signals.



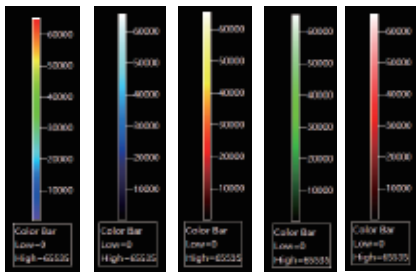
⦿ MULTI-GRAPH ANALYSIS

Capable of comparing images of the same sample acquired at multiple time points within the same digital quantification interval to show the trend of change.

Tracking imaging of the same marker constantly over a long period of time, without human intervention during the shooting, greatly improves the reliability and efficiency of the experiment.

⦿ PSEUDO COLOR OVERLAY

Abundant pseudo-colour styles allow users to overlay pseudo-colours according to their own preferences, greatly increasing the visual resolution of grey-scale images with the naked eyes.



⦿ OPTICAL PATH CALIBRATION FUNCTION

Each instrument is carefully calibrated before leaving the factory to avoid errors caused by differences in optical range. So that even if the same signal is placed at different positions on the sample stage, it can still obtain the same size of quantitative values, making the data results more reliable.



IVScope 8000 Series of Small Animal in Vivo Imaging System

PRODUCT PROFILE

The IVScope 8000 series imaging systems are mainly used for detecting bioluminescence and fluorescence signals of in vivo animals, recording the temporal and spatial changes of target signals in the animal. The IVScope 8000 series is equipped with a high sensitivity refrigeration CCD camera and lens with a large aperture; within a sealed dark box, it can detect weak luminous signals in animals. It is equipped with a temperature control system and an anesthesia system to detect under the normal physiological state of the animal, which contribute to obtain experimental data with high reliability and repeatability, and to help conduct research on tumor, inflammation, immune disease, neurological disease, bacterial and viral infection, cell therapy, drug development, etc.



PRODUCT MODEL

IVScope 8200

IVScope 8500

PRODUCT APPLICATION

DESCRIPTION

With the development of living imaging techniques, researchers have been able to label a wide range of research subjects such as tumor cells, immune cells, stem cells, genes, bacteria, viruses, peptides, antibodies, nanomaterials, drugs and many more by bioluminescent or fluorescent labelling techniques. In vivo imaging systems have been used for research in all areas of biology, with white light, bioluminescence and fluorescence imaging capabilities, and can be used for animal in vivo imaging systems, including cancer, stem cells, bacteria and viruses, inflammation, immune diseases, neurological diseases, cardiovascular diseases, metabolic diseases, gene therapy, new drug development and more.

01. Fluorescence technique for specific detection of cysteine level in vivo

02. Application of Bioluminescence technology in the construction of lung cancer model

03. Study on the application of Bioluminescence technology in skin stem cell transplantation model

04. Study on Bioluminescence technology for lung cancer metastasis model

05. Bioluminescence technique for the study of glial limp model

06. Fluorescence technology for detecting ONOO - in inflammatory mouse models

PRODUCT FEATURES

	PROJECT	DESCRIPTION
01.	Camera lens	A high-sensitivity cooled CCD camera matching lens with a large aperture for capturing the faint luminescence signal of animals.
02.	Electric lifting tray	Electrically adjust the height of the sample tray to meet the image acquisition needs of different numbers and sizes of animals.
03.	Temperature control system	The sample tray can heat and keep constant temperature, enabling small animals to maintain body temperature and ensuring that experimental data collection is carried out under normal physiological conditions.
04.	Fluorescence module	It can carry ultraviolet, visible, near-infrared. excitation light source wavelength corresponding emission light filter to realize the detection of fluorescence signal for fluorescent protein, fluorescent probe and fluorescent dyes.
05.	Gas Anesthesia system	Gas anesthesia system, supporting pre anesthesia, the system can anesthetize continuously with gas recovery. The front and rear positions of the anesthesia system breathing mask can be adjusted to ensure that the image acquisition area is in the center of the field of view.

IVScopeEQ image acquisition and analysis software

SOFTWARE FEATURES

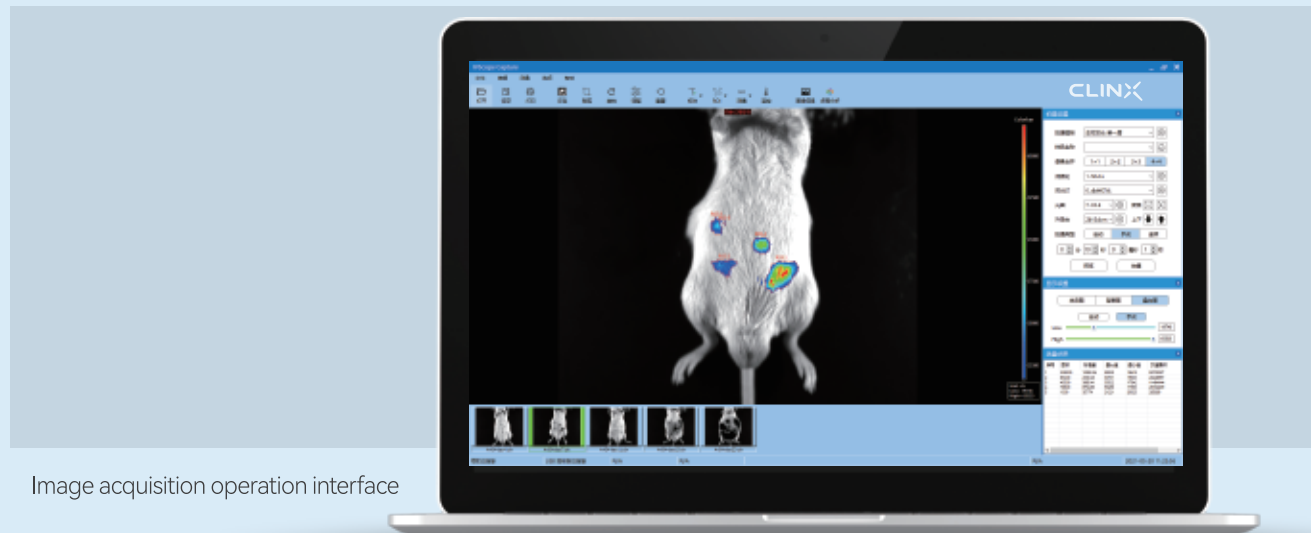


Image acquisition operation interface

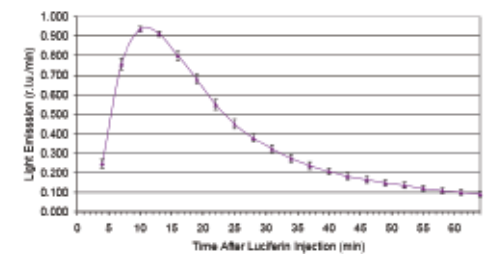
SOFTWARE PROFILE

PROJECT	DESCRIPTION
01. Quantitative detection	It supports manual and automatic ROI selection and quantitative detection, and can calculate length and area. Support data quantification in units of "p/s/cm ² /sr" and "p/s/cm ² /sr/(uw/cm ²)" to meet different application scenarios.
02. Batch processing	It supports image batch processing function, which can perform quantitative analysis on multiple photos at the same time. It can integrate photos collected from multiple groups and time points into one output, presenting the trend of signal changes.
03. Video output	It supports video output and visually displays the dynamic changes of experimental results.
04. Audit trail	It supports audit trail. With user permission hierarchical management and image information tracking system, which can output PDF reports containing account information, original image information, and electronic signatures.
05. Open installation	The software supports installation and data analysis on third-party computers.
06. Main Function	It can be used for both image acquisition and data processing and analysis.
07. Exposure mode	With multiple modes such as automatic exposure, manual exposure, continuous exposure, and interval time exposure.
08. Optical path calibration	With optical path calibration function, it can avoid errors caused by optical path differences and ensure the repeatability and accuracy of experimental results.
09. Binning	With multiple binning algorithms, it can greatly shorten exposure time, improve signal acquisition sensitivity and SNR.
10. Co-localization	With co-localization function, it supports 7-channel merging, which can overlay and display the image acquisition results of bright field, bioluminescence, fluorescence, and X-ray.

SOFTWARE FEATURES

© OVARIETY OF IMAGE ACQUISITION METHODS

Equipped with manual, automatic, and continuous image acquisition functions. Flexible selection of shooting types can be made rely on the actual experimental needs, which can capture images of individual time points and images that change over time, in order to understand the spatiotemporal distribution of markers in vivo.

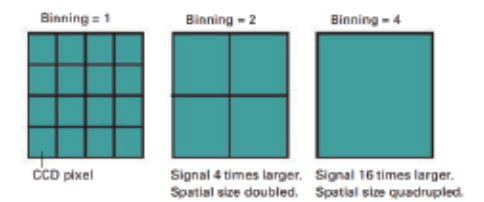


Temporal kinetic profile of luciferase in vivo

© MULTIPLE BINNING ALGORITHMS

IVScope 8500 model supports 1*1, 2*2, 4*4, 8*8 binning mode.

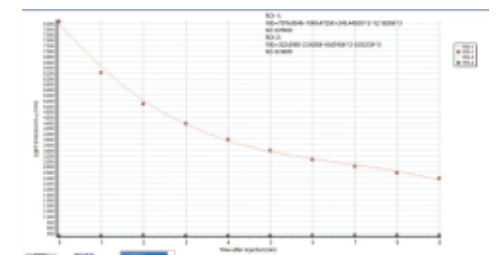
IVScope 8200 model supports 1*1, 2*2, 3*3, 4*4, 6*6, 8*8, 12*12, 16*16 binning mode. The higher the binning mode, the higher the sensitivity.



© DYNAMIC CURVE ANALYSIS

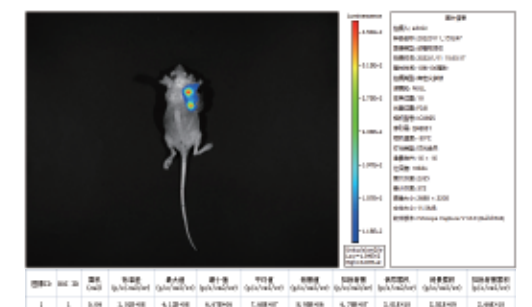
Automatically generates kinetic curves based on quantitative data from the ROI circled area.

Supports two modes of display and output: signal value and percentage.

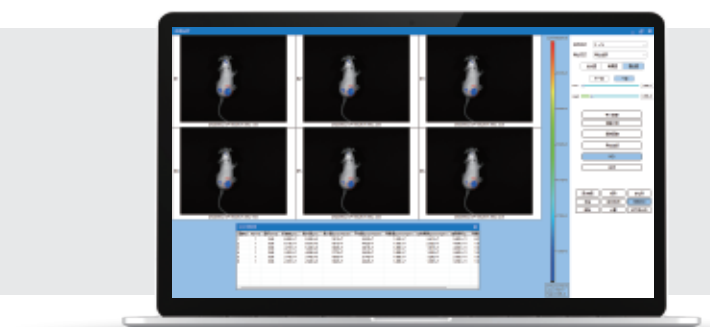


- ONE CLICK OUTPUT OF COMPLETE IMAGE ACQUISITION INFORMATION

Ability to output the overlay image, image acquisition parameters, and quantitative results as a whole.



◎ BATCH PROCESSING
FUNCTION



X-ray Multimode Small Animal In Vivo Imaging System IVScope 8000X Series

PRODUCT PROFILE

The Clinx IVScope8000 series X-ray multimode small animal in vivo imaging systems not only meets the needs of bioluminescence and fluorescence detection, but also has an X-ray detection function. IVScope8000 is equipped with a high sensitivity cooled CCD camera and a large aperture lens, combined with a sealed dark box, which can capture weak luminescence signals in animals. By combining high-resolution X-ray images with high-quality optical images, more accurate, reliable, and reproducible experimental data can be obtained, helping tumors, inflammation, immune diseases, neurological diseases, bacterial and viral infections, cell therapy, bone development, bone density detection,biological medicine, radiation diagnosis, and other related fields.

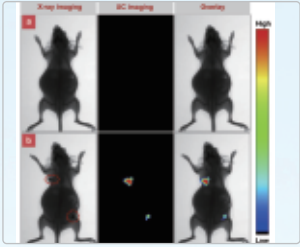


PRODUCT PROFILE

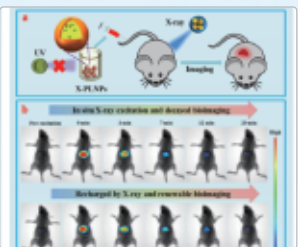
- IVScope 8200X
- IVScope 8500X

PRODUCT FEATURES

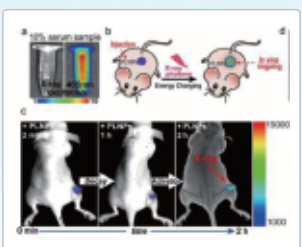
The X-ray multimode small animal in vivo imaging system integrates X-ray function on the basis of traditional small animal in vivo imaging system. In addition to meeting the detection needs of bioluminescence and fluorescence, it also has X-ray detection function, helping tumors, inflammation, immune diseases, neurological diseases, bacterial and viral infections, cell therapy, bone development, bone density detection,biological medicine, radiation diagnosis, and other related fields.



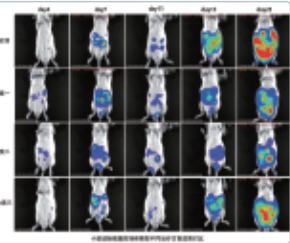
01. Combining X-ray and upconversion fluorescence imaging for long-term tracking and observation of nanomaterials in vivo



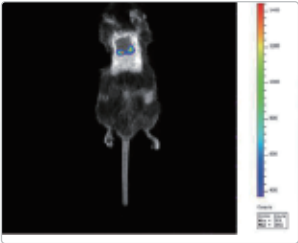
02. X-ray activated near-infrared fluorescence probe for imaging deep tissues in the body



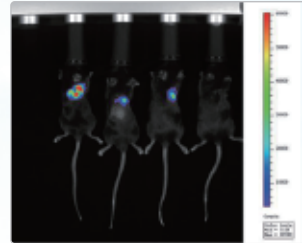
03. Using X-ray to activate nanoparticles in deep tissues for long-term biological imaging observation in vivo



04. Study on the application of bioluminescence technology in cancer metastasis model



05. Study on the application of bioluminescence technology in skin stem cell transplantation model



06. Construction of a lung cancer tumor model using bioluminescence technology

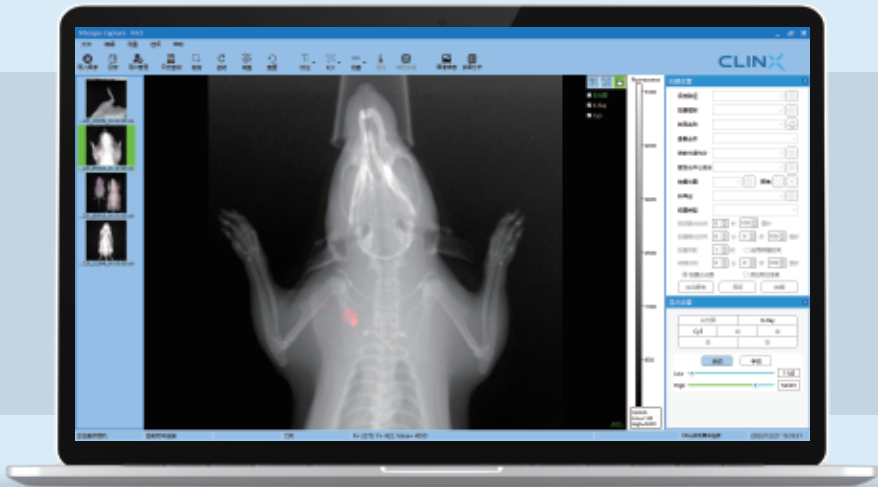
PRODUCT FEATURES

PROJECT	DESCRIPTION
01. X-ray	Through the X-ray function, it can intuitively reflect the internal spatial structure of living organisms, achieving precise positioning of organs and other body parts. It can also detect bone information, reflect changes in bone density and bone morphology, and assist in related research in the field of radiation diagnosis.
02. Camera lens	A high-sensitivity cooled CCD camera matching lens with a large aperture for capturing the faint luminescence signal of animals.
03. Sample tray	Three adjustable area suitable for image acquisition different numbers and sizes of animals, with continuously adjustable image acquisition field of view area.
04. Temperature control system	The sample tray can heat and keep constant temperature, enabling small animals to maintain body temperature and ensuring that experimental data collection is carried out under normal physiological conditions.
05. Fluorescent module	It can carry ultraviolet, visible, near-infrared. excitation light source wavelength corresponding emission light filter to realize the detection of fluorescence signal for fluorescent protein, fluorescent probe and fluorescent dyes.
06. Gas Anesthesia system	Gas anesthesia system, supporting pre anesthesia, the system can anesthetize continuously with gas recovery. The front and rear positions of the anesthesia system breathing mask can be adjusted to ensure that the image acquisition area is in the center of the field of view.

IVScope 8000X Series

SOFTWARE FEATURES

Image acquisition operation interface



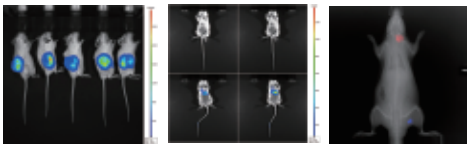
SOFTWARE
PROFILE

PROJECT	DESCRIPTION
01. Quantitative detection	It supports manual and automatic ROI selection and quantitative detection, and can calculate length and area. Support data quantification in units of "p/s/cm²/sr" and "p/s/cm²/sr/(uw/cm²)" to meet different application scenarios.
02. Batch processing	It supports image batch processing function, which can perform quantitative analysis on multiple photos at the same time. It can integrate photos collected from multiple groups and time points into one output, presenting the trend of signal changes.
03. Video output	It supports video output and visually displays the dynamic changes of experimental results.
04. Audit trail	It supports audit trail. With user permission hierarchical management and image information tracking system, which can output PDF reports containing account information, original image information, and electronic signatures.
05. Open installation	The software supports installation and data analysis on third-party computers.
06. Main Function	It can be used for both image acquisition and data processing and analysis.
07. Exposure mode	With multiple modes such as automatic exposure, manual exposure, continuous exposure, and interval time exposure.
08. Optical path calibration	With optical path calibration function, it can avoid errors caused by optical path differences and ensure the repeatability and accuracy of experimental results.
09. Binning	With multiple binning algorithms, it can greatly shorten exposure time, improve signal acquisition sensitivity and SNR.
10. Co-localization	With co-localization function, it supports 7-channel merging, which can overlay and display the image acquisition results of bright field, bioluminescence, fluorescence, and X-ray.

SOFTWARE
FEATURES

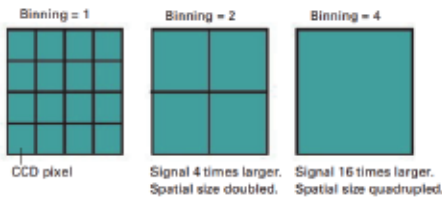
SUPPORT MULTI-CHANNEL IMAGE ACQUISITION AND OVERLAY DISPLAY

1. Overlay of luminescent and bright field images
2. Overlay of single channel or multi-channel fluorescence images with bright field images
3. Overlay of bioluminescence, fluorescence, and bright field images
4. Overlay of X-ray image with bioluminescence or fluorescence image



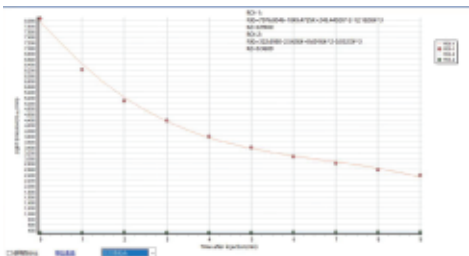
MULTIPLE BINNING ALGORITHMS

IVScope 8500 model supports 1*1, 2*2, 4*4, 8*8 binning mode.
IVScope 8200 model supports 1*1, 2*2, 3*3, 4*4, 6*6, 8*8, 12*12, 16*16 binning mode. The higher the binning mode, the higher the sensitivity.



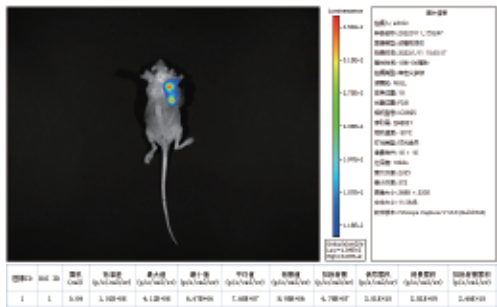
DYNAMIC CURVE ANALYSIS

Automatically generates kinetic curves based on quantitative data from the ROI circled area.
Supports two modes of display and output: signal value and percentage.

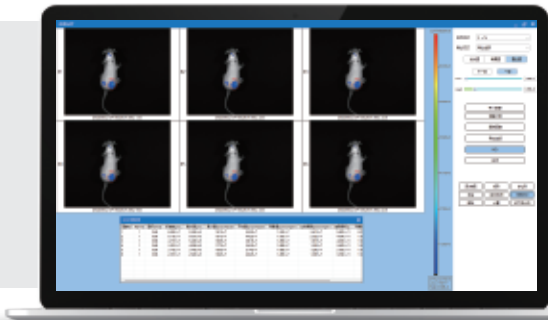


ONE CLICK OUTPUT OF COMPLETE
IMAGE ACQUISITION INFORMATION

Ability to output the overlay image, image acquisition parameters, and quantitative results as a whole.



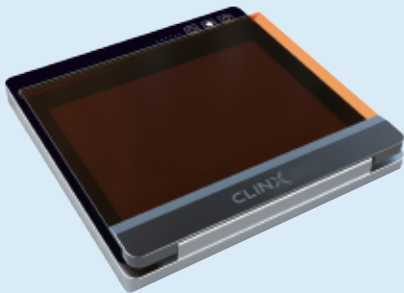
BATCH PROCESSING
FUNCTION



Blue Light Glue Cutter

PRODUCT APPLICATION

Mainly used for nucleic acid (DNA/RNA) gel electrophoresis for observation and gel cutting operation. It is suitable for SYBRTM Safe, SYBRTM Gold, SYBRTM Green I & II, SYPROTM Ruby, SYPROTM Orange, Gelsignal™ Green and other safe dyes to avoid UV damage to the sample and EB and other toxic dyes to the lab personnel.



PRODUCT FEATURES

	DESCRIPTION
01.	Ultra-thin design, easy to move and convenient to use.
02.	Convenient gel cutting design, no need to wear protective goggles.
03.	Uniform transmission mode, low background, sample observation more uniform, better photo effect.
04.	The filter cover angle adjustable, and can be fixed, one-handed operation, see gel cut gel more easily.
05.	High-power LED lamp beads, long life.
06.	Blue light source, so that users are easy to expose parts from UV damage, no damage to nucleic acid fragments.
07.	Suitable for a variety of safe dye, instead of the highly carcinogenic EtBr.

PRODUCT MODEL

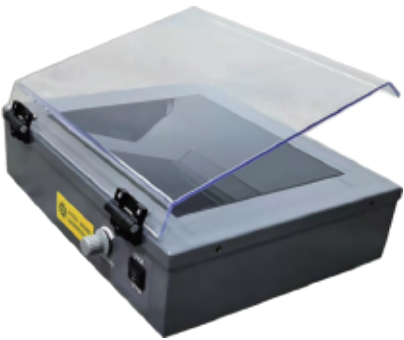
BlueVision 200A

BV200

Ultraviolet Transmission Table

PRODUCT APPLICATION

It is used for the observation of the results of nucleic acid (DNA/RNA) gel electrophoresis and gel cutting operation, applicable to most nucleic acid dyes, and widely used in research institutes and enterprises involved in molecular biology, molecular genetics, medicine and health, biological products, agriculture and other life science research fields.



PRODUCT FEATURES

	DESCRIPTION
01.	Cooperate with the operator's perspective, adjust and fix the UV protection plate at a proper angle, provide professional UV protection, and do not affect the observation and gel cutting operation;
02.	The single wavelength ultraviolet transmission table is equipped with a 302nm UV lamp, which can be mixed with different dyes such as GelRed, EtBr, SYPRO Orange, etc;
03.	The dual-wavelength ultraviolet transilluminator can meet the different needs of the experiment. 302nm is suitable for the observation and analysis of DNA/RNA, and 365nm is suitable for the preparation of observation and the cutting of bands to reduce the damage to DNA;
04.	Brightness adjustment: UV intensity can be adjusted to adapt to different operating environments.

PRODUCT MODEL

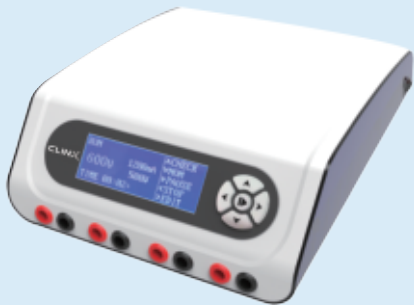
CUV 40A

CUV 20A

Power Supply Series of XinPOWER Electrophoresis Instrument

PRODUCT APPLICATION

It can provide stable current or voltage for horizontal electro-phoresis apparatus, mini vertical electrophoresis apparatus and trans blot.



PRODUCT FEATURES

DESCRIPTION	
01.	Transparent instrument casing enclosure, a glance at the internal structure.
02.	Protein function: the power supply automatically connects to the separated gel after concentrating the gel, which reduces the tediousness of manual re-setting.
03.	Automatic ascending function: After selecting the constant value, the remaining two indicators will be ascended automatically, avoiding the misconstant phenomenon of human operation.
04.	Micro-current function: the end of electrophoresis automatically into the micro-current, to avoid the proliferation of samples of the timed shutdown, but also to prevent the sample run over the head.
05.	Safety performance: over-voltage, arc, no-load and load sudden change monitoring; overload / short circuit monitoring; leakage protection; open circuit alarm, automatic recovery from power failure, pause / recovery function.
06.	LCD screen simultaneously display voltage, current, power, timing time.
07.	Four groups in parallel, can take more than one electrophoresis tank at the same time.
08.	Programmable storage of 10 kinds of methods, each method contains up to 10 steps

PRODUCT MODEL

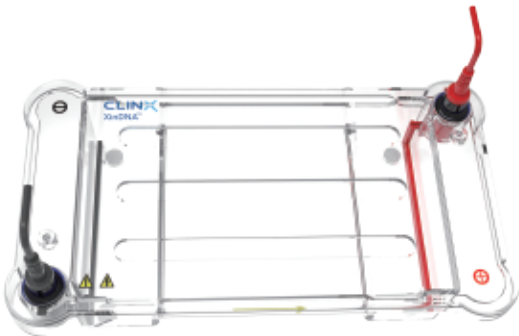
XinPOWER-300 Basic
electrophoresis instrument power supply

XinPOWER-600 General
electrophoresis instrument power supply

XinDNA Multipurpose Horizontal Electrophoresis Instrument

PRODUCT APPLICATION

Application in separation of nucleic acid fragments in agarose gel electrophoresis experiment.



PRODUCT FEATURES

DESCRIPTION	
01.	PCR electrophoresis: comb 1mm, 27 teeth * 4 rows.
02.	Can run 108 samples at a time (including Maker).
03.	Free combination of gel trays of various specifications: 130mmX130mm; 130mmX65mm; 65mmX130mm; 65mmX65mm.
04.	High temperature resistant gel tray, no deformation at 100 °C, no need to air agarose to warm before gel pouring.
05.	The rubber sealing ring is not used, and the movable electrode is embedded to avoid liquid leakage.

XinPRO Mini Vertical Electrophoresis Tank Series

PRODUCT APPLICATION

Used for electrophoresis separation experiment of protein.



PRODUCT FEATURES

	DESCRIPTION
01.	Independent gel-making base, convenient for flexible placement on a narrow laboratory table.
02.	Gel-making base with streamlined and beautiful design, non-spring type pressing and locking, avoiding leakage caused by insufficient spring pressure or aging.
03.	The edge sealing spacer is fixed on the long glass plate to ensure accurate alignment of the glass plate and avoid gel leakage.
04.	Cam system frame ensures precise alignment.
05.	The unique super flat glass support at the bottom of the filling frame effectively avoids the phenomenon of glass plate slipping; press locking method, better fastening effect; the whole plate backing design, clearly set off the separation of the concentrated gel filling over.
06.	Wedge-shaped design of the electrophoresis core side card parallel sliding, so that the short glass reliably squeeze the sealing step, to avoid the phenomenon of liquid leakage due to the rotating side card lift is not in place.
07.	Comb with teeth and built-in ridges isolates the gel from the air and avoid inhibitin.
08.	Glass plates and combs marked with thickness and number of holes for easy identification.
09.	The edge sealing spacer makes the glass plate thicker and should not be broken.

PRODUCT MODEL

- XinPRO-2
- XinPRO-4

XinBLOT Mini Transfer Slot

PRODUCT APPLICATION

Transferring protein samples to nitrocellulose membranes, PVDF membranes and other media.



PRODUCT FEATURES

	DESCRIPTION
01.	The protein sample can be transferred to nitrocellulose film, PVDF film and other media quickly and with high quality, and two transfer clips can be placed at the same time.
02.	Support high current fast transfer or low current overnight transfer.
03.	Built-in 2 freezing modules can quickly rotate to absorb the heat of buffer solution.

ECL Luminescent Solution Kit



PRODUCT PROFILE

ChemiSignal® Plus ultrasensitive chemiluminescent reagent is catalyzed by horseradish peroxidase (HRP) to produce a chemiluminescent reaction with high sensitivity for the detection of low concentration protein and nucleic acid samples.

PRODUCT APPLICATION

ChemiSignal® Plus ultrasensitive chemiluminescent reagent is catalyzed by horseradish peroxidase (HRP) to produce a chemiluminescent reaction, suitable for HRP labeled Western Blot and HRP labeled probe nucleic acid hybridization experiments.

PRODUCT FEATURES

DESCRIPTION	
01.	High sensitivity, high signal-to-noise ratio, low background.
02.	It can be operated in natural light without entering the darkroom.
03.	Luminescence is fast and lasts for a long time.
04.	High antibody dilution ratio can be used to save antibodies.

ITEM ID AND SPECIFICATION

- 1810212: ChemiSignal Plus ECL Luminescent Solution Kit, 100ml packaging (50ml for liquid A and 50ml for liquid B)
- 1810202: ChemiSignalPlus ECL Luminescent Solution Kit 250ml packaging (125ml for liquid A and 125ml for liquid B)

Nucleic Acid Dye Series

PRODUCT APPLICATION

Used for the staining of dsDNA, ssDNA or RNA in agarose gel or polypropylene vinylamide nucleic acid gel electrophoresis experiments.

PRODUCT FEATURES

DESCRIPTION	
01.	Non-toxicity: The unique oily and macromolecular characteristics make it unable to penetrate the cell membrane and enter the cell, and the mutagenicity is far less than EB.
02.	High stability: It can be directly heated in microwave oven and stored at room temperature.
03.	High signal-to-noise ratio: the sample has strong fluorescence signal and low background signal.
04.	High sensitivity: can be used to detect low concentration nucleic acid samples.

ITEM ID AND SPECIFICATION

- 1810111: Gel Signal Red 10000× in water,500μl
- 1810121: Gel Signal Green 10000× in water,500μl

Some Literatures Using CLINX Products Were Marked



Yang, Jingyun, et al. "A vaccine targeting the RBD of the S protein of SARS-CoV-2 induces protective immunity." *Nature* (2020):1–9.41.577

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Liu Z,Wang L,Xu H, et al. Heterogeneous Responses to Mechanical Force of Prostate Cancer Cells Inducing Different Metastasis Patterns[J].*Advanced Science*,2020,7(15):1903583.15.83

Wang J,Yu C,Zhang S,et al. Cel-type-dependent histone demethylase specificity promotes meiotic chromosome condensation in

Arabidopsis[J].*Nature plants*,2020,6(7): 823–837.13.25

Tie, Yan, et al. "Targeting folate receptor β positive tumor-associated macrophages in lung cancer with a folate-modified liposomal complex." *Signal transduction and targeted therapy* 5.1(2020):1–15 13.49

Wu S, Zhong G,Zhang J, et al. A single dose of an adenovirus-vec-tored vaccine provides protection against SARS-CoV-2chn *Vibrio cholerae*[J].*Nature Communications*, 2020,11(1):1–11.12.353

Zui Zhang1,2, Juan Guan1,ZhuXuan Jiang1, et al Brain-targeted Drug Delivery by Manipulating Protein Corona Functions. *Nature communications*,2019 12.353

Chen W,LvM, WangY,et al.BES1is activated by EMS1-TPD1-SERK1/2-mediated signaling to control tapetum development in *Arabidopsis thaliana*[J].*Nature communica-tions*,2019,10(1):1–12.12.353

Luo Y,TengX,Zhang L, et al.CD146-HIF-1 α hypoxic reprogramming drives vascular remodeling and pulmonary arterial hypertension[J]. – *Nature communications*,2019, 10(1):1–17.12.353

Cai Q,Liang C, wang S, et al. The disease resistance protein SNC1 represses the biogenesis of microRNAs andphased siRNAs[J].*Nature communications*, 2018, 9(1):5080.12.353