JoJo Life Science

Gel Documentation Systems

JoJo Life Science

Weitere von uns verfügbare Produkte:

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CLINX SCIENCE INSTRUMENTS

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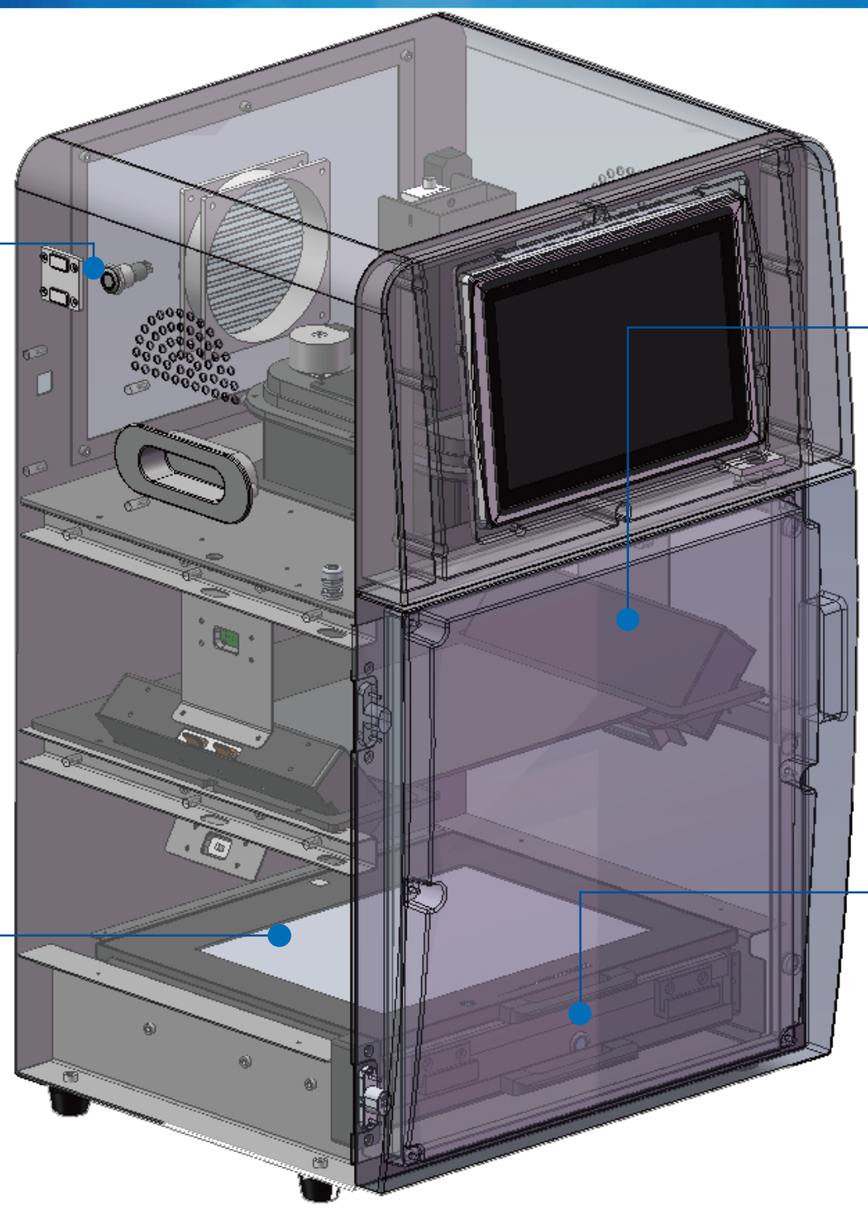
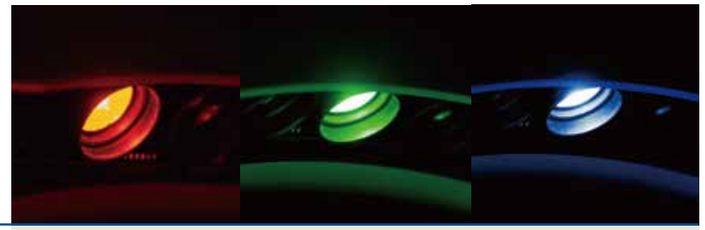
PRODUCT FEATURES OF IMAGING SYSTEMS

JoJo Life Science

Operation mode converter

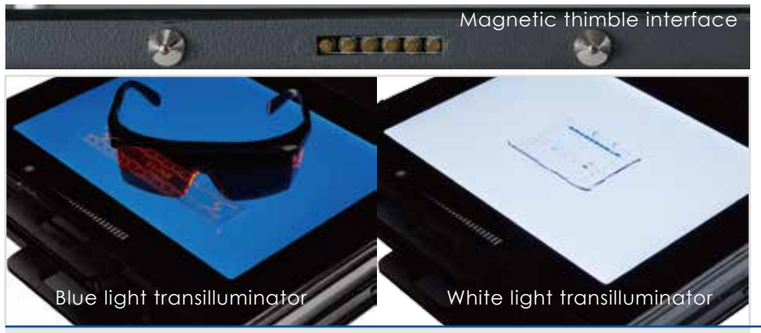
Enable both operation modes of embeded and external computer.





Multi-fluorescence module

Realized the multi-channel fluorescence photography from UV, visible light to near infrared.



Ultra slim transilluminator

The magnetic thimble interfaces realize free switching between the blue light and white light transmission. The touchable brightness adjustment switch facilitates the gel observation and recovery.

UV SMART™ transilluminator

Compared with the traditional UV transilluminator, the “non-lamp” design of UV Smart™ provides uniform transmission and better background.

GENO SENS

• GEL DOCUMENTATION SYSTEM

INTRODUCTION

GenoSens Series Gel Documentation and Analysis System is designed for the detection and documentation of nucleic acids and proteins. It adopts a high resolution and high sensitive scientific CCD-Camera, which enables the instrument to capture utter weak signals under extremely low illumination condition. The automatic controls and the intuitive software we offered can help the researchers to get rid of the complicated operation process and increase therefore the experiment efficiency.

APPLICATION

Gel Inspection

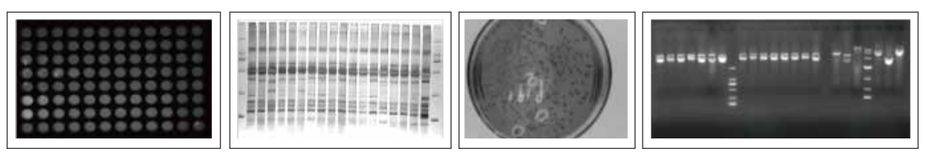
Diverse dyes, e.g.: Ethiduim Bromide, SYBR™ Gold, SYBR™ Green, SYBR™ Safe, GelStar™, Texas Red, Fluorescein, marked DNA/RNA detection.

Protein Inspection

Commassie Brilliant Blue, Silver Staining and Fluorescent dyes, e.g.: Sypro™ Red, Sypro™ Orange, Deep Purple, Pro-Q Diamond etc.

Others

Others: ELISA Plate, Petri Dish Colony Counter, TLC Plate, etc.



GENOSENS MODEL FEATURES

Polymer by RIM Molding

The front panel and door is designed by Reaction Injection Molding. It is environment friendliness.

Upgrading easily

Select one configuration for your applications now, and upgrade later when your applys different applications with adding other tray or hardware module:

a) UV transmission
b) UV+BLUE light transmission
c) UV+BLUE+White light transmission

Better user experience

Base on application,only use arabic numerals ,which is matched on different applictions automatically, instead of the professional parameter of apeture and focus.

Switchable operation mode

You can use your machine by stand alone PC or embedded touch screen PC, Only you press the “switch button” easily.

UV SMART™ transilluminator

Compared with the traditional UV transilluminator, the “non-lamp” design of UV Smart™ provides uniform transmission and better background.

Blue and white Light transilluminator

The magnetic thimble interfaces realize free switching between the blue light and white light transmission. The touchable brightness adjustment switch facilitates the gel observation and recovery.

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GENO SENS

• GEL DOCUMENTATION SYSTEM

SOFTWARE

Clinx GenoSens image capture and analysis software is designed for Clinx gel documentation system. All the intelligence property of the software mentioned below belongs to Clinx Science Instruments Co., Ltd. We promise, we offer free life time upgrades.

GENOSENS IMAGE CAPTURE SOFTWARE

- High precise automatic exposure
- Advanced pixel binning technology increases the sensitivity of the system
- Automatic access of capture parameters
- Image rotation, cropping and counter color process
- Convenient image navigation and browsing

GESNOSENS IMAGE ANALYSIS SOFTWARE

- Automatic recognizing and numbering the gel bands
- Calculation of molecular weight of each band
- Optional save of analysis results as “xls” files
- Calculation of the optical density for the quantitative analysis
- Optimization of the visual effects by wiping background mode

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PARAMETERS

GenoSens 2100 main system

Scientific Digital Camera
Resolution：5.0 Megapixels，2592 x 1944
A/D： 16bit(65536 Grey Scales)
Quantum efficiency：≥70%
Readout noise：5.1e-RMS
Dark current：1e-/pixel/sec.@25°C
SNR：70.1db

GenoSens 2200 main system

Scientific Digital Camera
Resolution：5.2 Megapixels，2560 x 2048
A/D： 16bit(65536 Grey Scales)
Quantum efficiency： ≥82%
Readout noise：3.2e-RMS
Dark current：1e-/pixel/sec.@25°C
SNR：72.8db

GenoSens 2100 Touch main system

Embedded industry computer with touch screen
Scientific Digital Camera
Resolution：5.0 Megapixels，2592 x 1944
A/D： 16bit(65536 Grey Scales)
Quantum efficiency：≥70%
Readout noise：5.1e-RMS
Dark current：1e-/pixel/sec.@25°C
SNR：70.1db

GenoSens2200 Touch main system

Embedded industry computer with touch screen
Scientific Digital Camera
Resolution：5.2 Megapixels，2560 x 2048
A/D： 16bit(65536 Grey Scales)
Quantum efficiency： ≥82%
Readout noise：3.2e-RMS
Dark current：1e-/pixel/sec.@25°C
SNR：72.8db

Sample Tray

Super Slim white LED Transilluminator
Super Slim blue LED Transilluminator（470nm） UVSmart™
UV Transilluminator（302nm)

Multi-fluorescence light module

Excitation light	Filters
UV Light Ex365BL	Em460/30F，UV excited dye
Bule Light Ex470BL	Em525/30F，Blue light excited dye
Green Light Ex530BL	Em585/20F，Green light excited dye
Red Light Ex630BL	Em690/45F，Red light excited dye
Near infrared Ex660BL	Em715/30F，NIR excited dye
Near infrared Ex770BL	Em810/40F，NIR excited dye

Lens

F1.2 mortorized lens

Filter Wheel

8 Sockets filter wheel

ORDER NO.

Main System

NO.	Description
1801001	GenoSens 2100 Digital camera with 5.0 megapixels, F1.2 mortorized lens, UV Smart™ ultra slim UV transilluminator (302nnm), 590nm filter.
1801002	GenoSens 2200 Digital camera with 5.2 megapixels, F1.2 mortorized lens, UV Smart™ ultra slim UV transilluminator (302nnm), 590nm filter.
1801011	GenoSens 2100 Touch Embedded industry computer, digital camera with 5.0 megapixels, F1.2 mortorized lens, UVSmart™ super slim UV transilluminator (302nnm), 590nm filter.
1801012	GenoSens 2200 Touch Embedded industry computer, digital camera with 5.2 megapixels, F1.2 mortorized lens, UVSmart™ super slim UV transilluminator (302nnm), 590nm filter

Optional modules

NO.	Description
1801101	8 Sockets filter wheel
1801201	UVSmart™ UV Transilluminator (302nm)
1801205	Super Slim white LED Transilluminator
1801206	Super Slim blue LED Transilluminator （470nm）
1801301	UV Light Ex365BL
1801302	Bule Light Ex470BL
1801303	Green Light Ex530BL
1801304	Red Light Ex630BL
1801305	NIR Ex660BL
1801306	NIR Ex770BL
1801401	Em460/30F，UV excited dye detection
1801402	Em525/30F，Blue light excited dye detection
1801403	Em585/20F，Green light excited dye detection
1801404	Em690/45F，Red light excited dye detection
1801405	Em715/30F，NIR excited dye detection
1801406	Em810/40F，NIR excited dye detection

Software

1801901	Clinx GenoSens image capture software
1801911	Clinx GenoSens image analysis software

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