BioLAB

PRODUCT CATALOG

GEL INSTRUMENT

CE ISO9001 CERTIFIED

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GEL INSTRUMENT BFA1CY1

HANDHELD UV ANALYZER

Handheld UV Analyzer is used for detection of nucleic acid dye, such as Ethidium bromide, Acridine orange, in fluorescence dyes. The handheld UV analyzer is widely used for nucleic acid testing (observe fluorescence) in many industries including molecular biology, biological chemistry, medical science, forensic autopsy examination as well as biological agent.

Note: (1) Do not brush or press the UV color filter. Keep it clean and dry. Clean the UV color filter by gauze after use.
(2) Ultraviolet radiation takes a toll on health, shut off the instrument. when it is not in use. Do not point at people when using.

Compact designed, simple operation, one-key switch the wavelength.
Lamp wavelength 365nm or 254nm long life.
With a battery, it can be used for a long time without electricity.
Optional H-type stands fix the UV analyzer to meet special operational needs.
H-type stands for optional to fix the instrument, meet the demand of special operations.It can adjust height and angle.

SPECIFICATIONS

Model	BFA1CY1
Old Model	BGEL-103
Wavelength	254nm, 365nm combine
UV Window	150x50mm
Voltage	DC12.6V Lithium battery charger
Power	≤6W
Dimension	W.440 x D.75 x H.51mm
Net Weight	0.7kgs (don't include H-type stand)
Alt Name	Handheld UV Analyzer

GEL INSTRUMENT BFA1CV1

BLUE LIGHT TRANSILLUMINATOR

Blue Light Transilluminator is used for the observation of gel electrophoresis. It uses LED light to observe or shoot various dyes. LED light is strong illumination with no harm. It is long life, smart and portable.

Blue light prevent users' easily exposed parts from uv damage.It's also no damage for DNA fragments.
With 108 pieces of LED light, long life and strong illumination. Suitable for observation of large range of fluorochrome. High luminance, high sensitivity and good homogeneity.
It can be used individually as blue light platform while It can also be used matching up multiImager.
Uniform transillumination blu-ray module. Low background values. No side.
Screen plate fixed at random. Angle adjustable ,Single hand can operate, which makes it's more easily watch gel.
Compared with the traditional uv transmission instrument: uniform transillumination blu-ray module, sample observation more symmetrical and photo's effect is be

SPECIFICATIONS

Model	BFA1CV1
Old Model	BGEL-102
Wavelength	470nm
Max. Gel Size	100x150mm
Voltage	DC 24V Power Adapter
Dimension	W.210 x D.210 x H.30mm
Net Weight	1.4kgs
Alt Name	Blue Light Transilluminator

FEATURES

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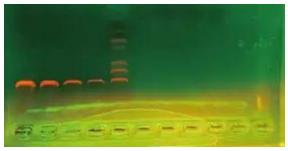
Screen plate fixed at random. Angle adjustable ,Single hand can operate, which makes it's more easily watch gel.
Compared with the traditional uv transmission instrument: uniform transillumination blu-ray module, sample observation more symmetrical and photo's effect is better.
Import good quality LED bead. Long-term energy conservation and environmental protection. No need to replace bulbs. Free maintenance and long service life of LED can reach to 50000 hours.
Perfect observation with full size transparent optical filter. Safe operation, no need to wear safety glasses or other protection device.

Application effect
The same gel Under UV light:

The same gel under blue-ray instrument:



GEL INSTRUMENT BFA1CW1

UV TRANSILLUMINATOR

UV Transilluminator is mainly used to observe the results of nucleic acid (DNA/RNA) gel electrophoresis and gel cutting operation.It can be widely used in scientific research institutions and enterprises in the fields of molecular biology, molecular genetics, medicine and health, biological products, agriculture and other research institutes and enterprises in the field of life science research.

Humanized design of the whole machine, the UV protection board can be stepless adjust at any Angle and positioning, to ensure the best protection of ultraviolet light, and does not affect the observation.
Compact sealing structure design ensures that the cutting operation and the cleaning and cutting platform are free of leakage, which greatly reduces the possibility of gel contamination and internal damage caused by leakage, and greatly improves the service life of the ultraviolet cutting instrument.
The special UV filter glass has good permeability to specific wavelength UV, which can ensure higher detection sensitivity and enhance the signal capture capability of the weak band.
Reasonable structural design and high-quality UV lamp ensure uniform UV light intensity in the detection area of the UV transmission table.

SPECIFICATIONS

Model	BFA1CW1
Old Model	BGEL-104
Transmission wavelength	302nm, 254nm, 365nm optional. (Standard 302nm)
Filter size	197 x 147 mm
Voltage	AC 220V 50Hz
Power	8Wx6
Dimensions	W.335 x D.280 x H.137mm
Net weight	5.4kgs
Alt Name	UV Transilluminator

FEATURES

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The special UV filter glass has good permeability to specific wavelength UV, which can ensure higher detection sensitivity and enhance the signal capture capability of the weak band.
Reasonable structural design and high-quality UV lamp ensure uniform UV light intensity in the detection area of the UV

transmission table.
Compact shape, easy operation and sealed structure make the maintenance of the instrument simpler. Self-contained fan cooling device, extend the service life of the machine.
Single wavelength standard 302nm UV lamp, and 254nm/365nm multiple wavelengths or combinations can be selected to match the gel observation of different dyes. Users can choose UV lamps with different wavelengths according to the experiment need.

GEL INSTRUMENT BFH1BI1

BLOOD CARDS INCUBATOR

1. Keep 24-Gel Cards in temperature of 37 degree.
2. 2 independent incubation zones with a capacity for 12 Gel cards
3. Digital display to set up time and keep the temperature
4. Audible programmable alarm to notify end of incubation period

SPECIFICATIONS

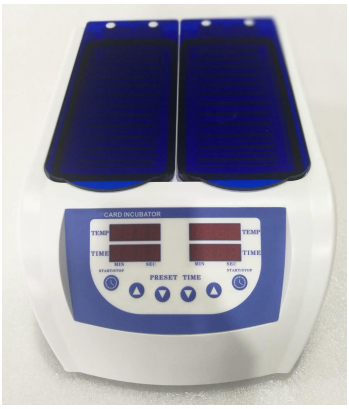
Model	BFH1BI1
Capacity	24 Gel cards
Temperature	37°C
Timer	0-99min
Power	AC220V 50Hz / 110V 60Hz
Dimensions	380x220x115 mm
Alt Name	Blood Cards Incubator

APPLICATIONS

Gel Cards Incubator is matched with our Gel Cards Centrifuge to use and holds 2 independent incubation zones with a capacity for 12 Gel cards,. It can be suitable for many types of gel cards from different manufacturers.

GEL INSTRUMENT BFH1CN1

GEL CARD INCUBATOR



1. Keep 24-Gel Cards in temperature of 37 degree.
2. 2 independent incubation zones with a capacity for 12 Gel cards
3. Digital display to set up time and keep the temperature
4. Audible programmable alarm to notify end of incubation period.

SPECIFICATIONS

Model	BFH1CN1
Old Model	BBRC-302
Ambient Temperature	10~37°C
Temperature uniformity	≤±0.5°C
Max. Capacity	24 Blood cards
Size (W x D x H mm)	390 x 280 x 140 mm
Voltage(V/Hz)	AC 220V/110V 50HZ/60HZ
Incubation Temperature	37°C ±0.1°C
Temperature Accuracy	<0.5°C
Rated Power	250W
Net Weight	6.2 KG
Time Range	0~99min59sec
Certificates	CE, ISO & Calibration report are available
Alt Name	Gel Card Incubator

APPLICATIONS

Digital incubator for the Gel cards. Blood card/ID card incubator holds 2 independent incubation zones with a capacity for 12 Gel cards,. It can be suitable for many types of gel cards from different manufacturers.

GEL INSTRUMENT BFA1CX1

BLACK-BOX TYPE UV ANALYZER

Black-box type UV analyzer can send out long and short wave uv light with high UV intensity good stability and easy operation. It's reliable and popular among customers. Mainly used in scientific research, production and other fields.Use widely available in biochemistry, medicine, samples of DNA, RNA electrophoresis gel observation analysis, detection of protein, nucleotide, etc.

Equipment can be installed with digital camera to shoot and take photos.
302nm wavelength has small less damage to the sample with high sensitivity.
Fully enclosed with high quality metal black-box. No need to operate in darkroom.
Convenient to use, simple to operate.
Drawer type objective table is convenient to take samples. Left and right sides of the opening door is convenient for visual operation.
The transmission ultraviolet light source adopts 302nm ultraviolet light source, which is closely arranged and equipped with fluorescent light source.There are also two wavelengths of 254nm/365nm, or a combination of which can be selected to match the gel observation of different dyes. Users can choose UV lamps with different wavelengths according to the experimental needs.

SPECIFICATIONS

Model	BFA1CX1
Old Model	BGEL-101
Transmission Wavelength	302nm, 254nm, 365nm optional. (standard configuration is 302nm)
Transmission Filter Size	200x150mm
Observation Window Size	140x60mm
Camera lens aperture	54mm
Voltage	AC 220V, 50Hz
Fuse	250V 3A
Power	8Wx6
Dimension	W.350 x D.315 x H.520mm
Net Weight	13kgs
Alt Name	Black-box type UV Analyzer

APPLICATIONS

It can be widely used in genetic engineering, molecular genetics, microbiology, biological products, animal husbandry and medicine and health, pharmaceutical drug research and verification. It is also applicable to epidemic prevention departments, food industry, textile, rubber oil prospecting industry, archaeological identification marks inspection, verification counterfeit fake tickets. Apply for fluorescence analysis and verification department. It's the necessary instrument to be engaged in the modern scientific research departments and inspection supervision department .

GEL INSTRUMENT BJM1B1

GEL DOCUMENTATION SYSTEM

Gel instrument is a technique used in laboratory to separate charged molecules like DNA, RNA and proteins according to their size. Gel electrophoresis instruments are commonly used to run and compare DNA samples.

The zoom, focus, aperture, UV light and white light can be controlled by PC.
Auto-delay-shutdown function for UV light.
6x zoom lens, easy to observe the zooming of gel.
The zoom, focus, aperture, UV light and white light can be controlled by PC.
Effective pixel 1280x1024

SPECIFICATIONS

Model	BJM1B1
Old Model	BGEL-501
Effective pixel	1280x1024
Pixel density	10 bit
Pixel size	5.4x5.4 (μm)
Resolution	1.4 megapixels
Signal to noise ratio	≥56 db
Sensitivity	Can detect the double chain DNA of EB staining below 20 pg
Camera	Low illumination and high resolution digital CCD
Zoom lens	F=1:1.2, 2/3 inch 6x zoom lens
Filter	590 (nm)
UV light transmission size (WxL)	250x200 mm
Visible light transmission size (WxL)	250x210 mm
Transmission UV wavelength	302 nm
Reflectance UV wavelength	254, 365 nm
Transmission UV lamp power	302 nm (8W)
Reflectance UV lamp power	254 nm (11W), 365 nm (11W)
Dimension (LxWxH)	470x405x820 mm
Weight	29.0 kg
Alt Name	Gel Documentation system

APPLICATIONS

Forensic, molecular biology, genetics, microbiology labs, gel electrophoresis instruments

GEL INSTRUMENT BJM1C1

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Gel instrument is a technique used in laboratory to separate charged molecules like DNA, RNA and proteins according to their size. Gel electrophoresis instruments are commonly used to run and compare DNA samples.

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Auto-delay-shutdown function for UV light.
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The zoom, focus, aperture, UV light and white light can be controlled by PC.
Effective pixel 1280x1024

SPECIFICATIONS

Model	BJM1C1
Old Model	BGEL-502
Effective pixel	2560x1920
Pixel density	10 bit
Pixel size	5.4x5.4 (μm)
Resolution	5.0 megapixels
Signal to noise ratio	≥56 db
Sensitivity	Can detect the double chain DNA of EB staining below 20 pg
Camera	Low illumination and high resolution digital CCD
Zoom lens	F=1:1.2, 2/3 inch 6x zoom lens
Filter	590 (nm)
UV light transmission size (WxL)	250x200 mm
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APPLICATIONS

Forensic, molecular biology, genetics, microbiology labs, gel electrophoresis instruments

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