



GEL INSTRUMENT

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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. Used in Forensic, molecular biology, genetics, microbiology labs, gel electrophoresis instruments. Also known as Laboratory Gel instrument.

BGEL-101 BLACK-BOX TYPE UV ANALYZER



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.

SPECIFICATIONS

Model	BGEL-101
Voltage	AC 220V / AC 110V, 50Hz
Dimensions(LxWxH)	315x350x520 mm
Transmission Wavelength	312 nm, 254 nm, 365 nm optional (standard configuration is 302 nm)
Transmission Filter Size	200x150 mm
Observation Window Size	140x60 mm
Camera lens aperture	54 mm
Power	8W x 6

BGEL-102 BLUE LIGHT TRANSILLUMINATOR



Blue light prevents users easily exposed parts from UV damage. It has also no damage for DNA fragments.

Long life and strong illumination due to 108 pieces of LED light. Suitable for observation of large range of fluorescent. High luminance, high sensitivity and good homogeneity.

It can be used individually blue-ray module. Low background values. No side.

Screen plate fixed at random. Angle adjustable, single handedly can operate, which makes it more easily watch gel.

Compared with the traditional UV transmission instrument: uniform trans-illumination blue-ray module, sample observation more symmetrical and photo's effect is better.

Import good quality LED bead. Long term energy conservation and environment 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.

SPECIFICATIONS

Model	BGEL-102
Wavelength	470 nm
Max. Gel Size	100x150 mm
Voltage	DC 24 V Power Adapter
Dimensions(LxWxH)	210x210x30 mm
Net Weight	1.4 kg

BGEL-103 HANDHELD UV ANALYZER



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

SPECIFICATIONS

Model	BGEL-103
Wavelength	Dual 365 nm, Dual 254 nm or 254 nm combine with 365 nm
Voltage	DC 12.6 V
Power	≤ 6 W
Dimensions(LxWxH)	75x440x51
Net Weight	0.7 kg

BGEL-104 UV TRANSILLUMINATOR



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 UV 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 UV 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.

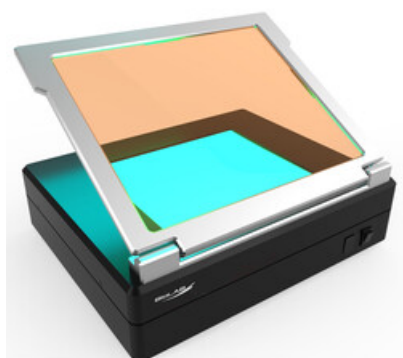
Reasonable structural design and high quality UV lamp.

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.

SPECIFICATIONS

Model	BGEL-104
Voltage	AC 220 V 50 Hz
Dimensions(LxWxH)	280x335x137 mm
Net Weight	5.4 kg
Transmission Wavelength	302 nm, 254 nm, 365 nm optional (standard 302 nm)
Filter Size	197x147 mm
Power	8W x 6

BGEL-201 ULTRA BRIGHT BLUE/GREEN LED TRANSILLUMINATOR



Accuracy-CV<5% across the viewing area
 Sensitivity-High contrast, up to 1 ng nucleic acid
 Safety-No damage to you and your sample
 Ease-Easy for observation and gel cutting
 Flexibility-Adjustable intensity: from 100% down to 50%
 Design-Strong and stylish metal frame design
 Certification-CE and FCC Certified

SPECIFICATIONS

Model	BGEL-201
Wavelength	Blue/Green 505 nm
Light Source	Blue /Green Nichia LED
Filter	Amber filter
Blocking Cover	Aluminum Alloy metal frame
Uniformity	CV<5%
Viewing size	160Dx200W mm
Dimensions (DxWxH)	280x340x80 mm
Weight	3.8 Kg
Power	AC 100-240V-50/60Hz

BGEL-202 BANDPEEPER LED TRANSILLUMINATOR



Convenience-Saving time and cost for new sample electrophoresis by trial & error

Accuracy-Accurate electrophoresis duration control

Sensitivity-2ng nucleic acid

Powerfulness-Powerful blue LEDs matched with common nucleic acid dyes

Design-Anti-fog design on amber filter, anti-water condensation

Safety-No damage to you and your sample

Compatibility-Compatible with Mupid tanks (Mupid exU series: exU, ACE, and ONE)

SPECIFICATIONS

Model	BGEL-202
Wavelength	Blue 470 nm
Light Source	Blue LED Light
Filter	Amber filter
Window size	150Dx60W mm
Filter Surface	Anti-fog treatment
PCBA Surface	Anti moisture treatment
Compatibility	Mupid Tanks (Mupid exU series exU, ACE and ONE)
Dimensions (DxWxH)	166x170x51 mm
Weight	0.96 Kg
Power	12V DC, 1.25A

BGEL-203 SLIM WHITE ILLUMINATOR



Uniformity-Light guide plate with diffuser design

Easy Operation- Light source is under the gel, avoiding bubble and reflection

SPECIFICATIONS

Model	BGEL-203
Light Source	White light LEDs
Viewing Size	240Dx160W mm

Dimensions (DxWxH)	292x217x12.8 mm
Power	12V DC
Weight	1.2 Kg

BGEL-204 ULTRA BRIGHT LED TRANSILLUMINATOR



Wavelengths-Three wavelengths: Blue 470nm, Green 530nm and Red 630nm
 Accuracy-CV<5% across the viewing area
 Sensitivity-High contrast, up to 1 ng nucleic acid
 Safety-No damage to you and your sample
 Ease-Easy for observation and gel cutting
 Design-Strong and stylish metal frame design
 Certification-CE and FCC Certified

SPECIFICATIONS

Model	BGEL-204
Wavelength	Blue 470 nm, Green 530 nm, and Red 630 nm
Light Source	Blue, Green and Red LED light
Filter	Filters for Blue and green, No filter for red
Viewing Size	160Dx200W mm
Uniformity	CV<5%
Dimensions (DxWxH)	280x340x80 mm
Weight	3.6 Kg
Power	24V DC 1.25A

BGEL-301 BLUE LIGHT ELECTROPHORESIS MONITORS



SPECIFICATIONS

Model	BGEL-301
Wavelength	470 nm
LED lifetime	≥50000 hours
LED array	Matrix provides single-side lighting
Shiny surface	122 x 35mm
Dimension	206 x57x 20 mm
Weight	0.56kgs
Input power	DC24V 0.75A

BGEL-401 HORIZONTAL GEL ELECTROPHORESIS



New and unique appearance, mini and portable; The electrophoresis tank and power can be separated

The cover with safely design, flip cover immediately power off, to ensure safety; Transparent cover and open hole design, easy to heat dissipation and observation; Top handle design, easy to pick and place

With seven output voltages, it can be called with one button, which is convenient and fast, saving standby consumption

Specially designed Electrophoresis shape, reducing the temperature difference between the buffer, while the heat benefit is improved. Put the gel into a limited position without drift

With the pause function, timing function, can leave after press the start button, with Alarm function, buzzer alert at the end

Highlight digital tube displays the set parameters, default remember the output voltage and time Settings of the previous operation

When the electrophoresis current exceeds the peak current, will automatically adjust the voltage to reduce the current value, improve the experimental reproducibility

Equipped with variety of specifications of gel trays / combs, compatible with a variety of experimental needs, compatible with high-throughput electrophoresis and multi-channel pipette operation

SPECIFICATIONS

Model	BGEL-401
Capacity	Max.500ml
Multi-channel suitability	Suitable for multi-channel pipettor
Timing function	1min~99h59min or continu, with pause function
Security Settings	The power is automatically paused when the cover is lifted
Storage function	Automatically memorize the previous operating voltage and time
Inner diameter dimension	150x150x47 mm
Dimensions	260x170x68 mm
Input power	AC110V,50/60Hz
Net weight	0.78kgs
Output voltage	Constant peak voltage (140V) , impulse control
Optional output voltage	135V 100V 70V 50V 35V 25V 18V

OPTIONAL ACCESSORIES

Accessory Code	Name	Dimension	Quantity
4400906006	Small size plate for gel	60 mmx60 mm	2
4400906007	Medium size plate for gel	120 mmx60 mm	1
4400906008	big size plate for gel	120 mmx120 mm	1
4400906009	Gel Comb 1	1.0 mm thickness 25/11 teeth	4
4400906010	Gel Comb 2	1.5 mm thickness 18/8 teeth	1
4400906011	Gel Comb 3	1.5 mm thickness 13/6 teeth	1
4400906012	Gel Comb 4	2.0 mm thickness 3/2 teeth	1
4400906013	Base for gel making (double sides)	138 mmx138 mmx36 mm	1

BGEL-501 GEL DOCUMENTATION SYSTEM



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	BGEL-501
Effective pixel	1280x1024
Pixel density	10 bit
Pixel size	5.4x5.4 (um)
Resolution	1.4 megapixels
Signal to noise ratio	≥56db
Sensitivity	Can detect the double chain DNA of EB staining below 20pg
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	302nm (8W)
Reflectance UV lamp power	254nm (11W), 365nm (11W)
Dimension (LxWxH)	470x405x820 mm
Weight	29.0 kg

BGEL-502 GEL DOCUMENTATION SYSTEM



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 2560x1920

SPECIFICATIONS

Model	BGEL-502
Effective pixel	2560x1920
Pixel density	10 bit
Pixel size	5.4x5.4 (um)
Resolution	5.0 megapixels
Signal to noise ratio	≥56db
Sensitivity	Can detect the double chain DNA of EB staining below 20pg
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	302nm (8W)
Reflectance UV lamp power	254nm (11W), 365nm (11W)
Dimension (LxWxH)	470x405x820 mm
Weight	29.0 kg



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