

# 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 220 V 50 Hz
Dimensions(LxWxH)	315x350x520 mm
Net Weight	13 kg
Transmission Wavelength	302 nm, 254 nm, 365 nm optional (standard configuration is 302 nm)
Power	8WX6
Transmission Filter Size	200X150 mm
Observation Window Size	140X60 mm
Camera lens aperture	54 mm

## 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 its 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	254 nm, 365 nm combine
Voltage	DC12.6 V Lithium battery charger
Dimensions(LxWxH)	75x440x51 mm
Net Weight	0.7 kg (don't include H-type stand)
Power	≤6 W

UV Window

150X50 mm

## 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 configuration is 302 nm)
Filter Size	197x147 mm
Power	8WX6



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