

GEL INSTRUMENT



GEL INSTRUMENT

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

GEL13-302 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	GEL13-302
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

GEL11-470 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.

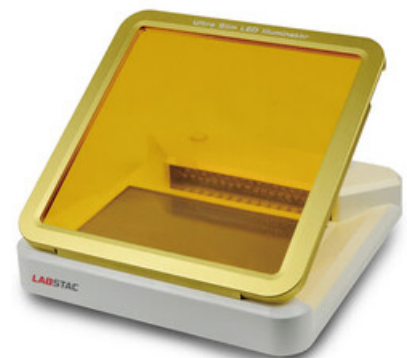
It can be used individually blue-ray module. Low background values. No side.

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	GEL11-470
Wavelength	470 nm
Max. Gel Size	100x150 mm
Voltage	DC 24 V Power Adapter
Dimensions(LxWxH)	210x210x30 mm
Net Weight	1.4 kg

GEL14-254 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	GEL14-254
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

GEL12-365 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	GEL12-365
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

GEL15-160 ULTRA BRIGHT BLUE/GREEN LED TRANSILLUMINATOR

Accuracy-CV<5% across the viewing area

Sensitivity-High contrast, up to 1 ng nucleic acid

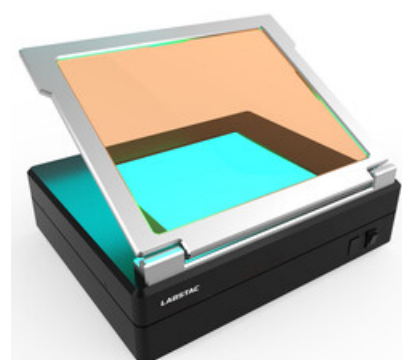
Safety-No damage to you and your sample

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

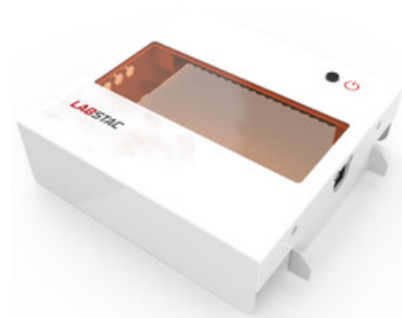


SPECIFICATIONS

Model	GEL15-160
Wavelength	Blue/Green 505 nm
Light Source	Blue /Green Nichia LED
Filter	Amber filter
Blocking Cover	Alluminum Alloy metal frame
Uniformity	CV<5%
Viewing size	160Dx200W mm
Dimensions (DxWxH)	280x340x80 mm
Weight	3.8 Kg
Power	AC 100-240V-50/60Hz

GEL16-470 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	GEL16-470
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

GEL17-240 SLIM WHITE ILLUMINATOR

- Uniformity-Light guide plate with diffuser design
- Easy Operation- Light source is under the gel, avoiding bubble and reflection



SPECIFICATIONS

Model	GEL17-240
Light Source	White light LEDs
Viewing Size	240Dx160W mm
Dimensions (DxWxH)	292x217x12.8 mm

Power	12V DC
Weight	1.2 Kg

GEL18-160 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	GEL18-160
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

GEL19-470 BLUE LIGHT ELECTROPHORESIS MONITOR



SPECIFICATIONS

Model	GEL19-470
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

GEL20-500 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

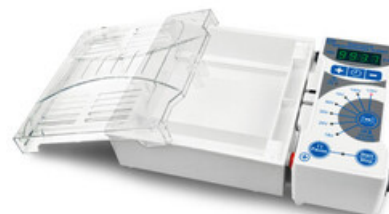
Specially designed Electrophoresis shape, reducing the temperature difference between the buffer, while the heat benefit is improved. Put the gel into a limited position without drift

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	GEL20-500
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
4300805005	Small size plate for gel	60mmx60mm	2
4300805006	Medium size plate for gel	120mmx60mm	1
4300805007	big size plate for gel	120mmx120mm	1

4300805008	Gel Comb 1	1.0mm thickness 25/11 teeth (Can used multichannel gun to add sample)	4
4300805009	Gel Comb 2	1.5mm thickness 18/8 teeth	1
4300805010	Gel Comb 3	1.5mm thickness 13/6 teeth	1
4300805011	Gel Comb 4	2.0mm thickness 3/2 teeth	1
4300805012	Base for gel making (double side)	138mmx138mmx36mm	1

GEL21-128 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	GEL21-128
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 UVlamp power	254nm (11W), 365nm (11W)
Dimension (LxWxH)	470x405x820 mm
Weight	29.0 kg

GEL22-256 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	GEL22-256
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

LABSTAC

Labstac LLC

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA

Email: contact@labstac.com | Website: labstac.com