

Features

- Unique bottom light-emitting, evenly excite gels, high brightness, low background interference;
- Precise sealing structure effectively reduces the possibility of gel contamination;
- High-quality blue LED light source, low power consumption, more than 50,000 service life;
- Blue LED has no harmful to human body or gel samples;
- Include a foldable darkroom for gel bands photography and precision gel cutting knife;
- Light intensity can be adjusted and memorized, no need to repeatedly setting;
- Amber cover filter can be rotated at multiple angles to facilitate observation and gel cutting.

Application

Compatible with most safe fluorescent dyes include SYBR Safe, SYBR Green I, SYBR Gold, Gelite Green, SYPRO Orange, GelGreen, Coomassie Fluor orange stains, SYPRO Tangerine etc.



Specification

Model	UB-TI470
Observation Area	L210 x W120mm
Power Adapter	12V 1A
LED Source	Bottom built-in Blue LED module
LED Lifetime	> 50,000h
Wavelength	470nm
Auto Shutdown Time	5 minutes
Dimension	L265 x W195 x H30mm
Weight	1.0 kg
Power Supply	100~240V; 50/60Hz

*Ultrassay BioTech Co., Ltd. reserves the right of final interpretation of different specifications.

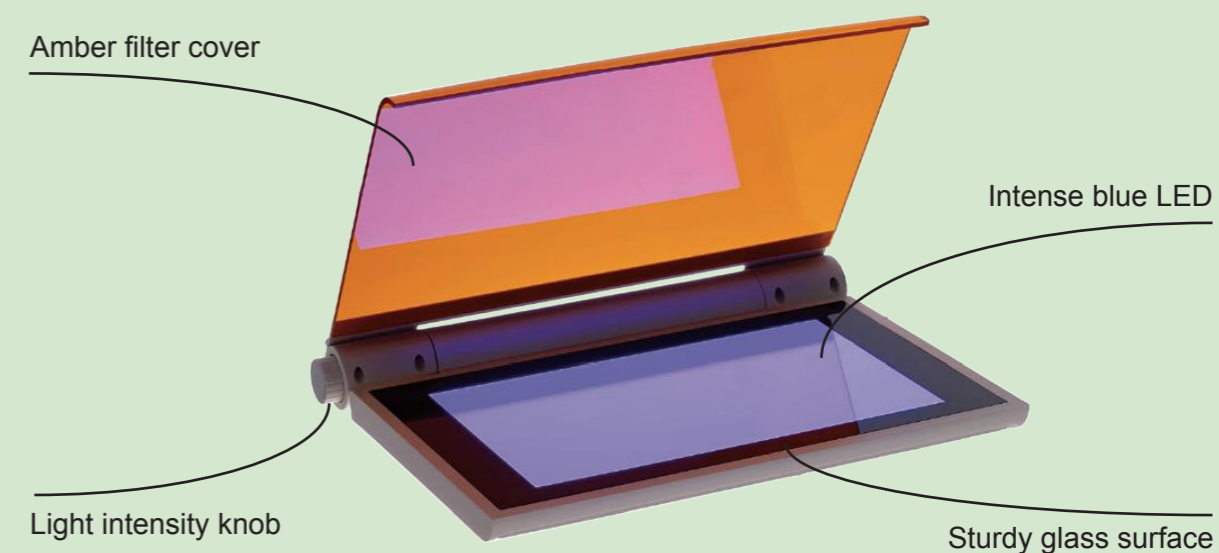
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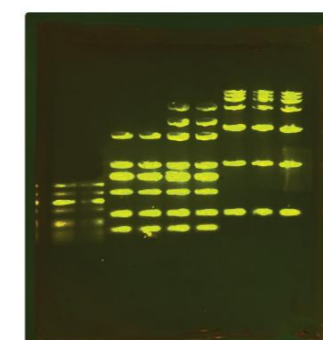
Blue LED Transilluminator

UB-TI470



Product Introduction

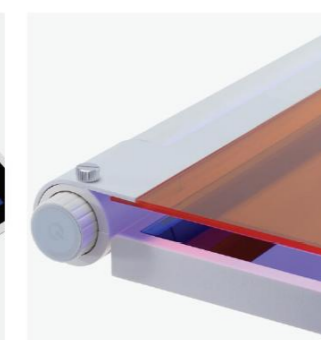
The UB-TI470 Blue LED Transilluminator is a high-quality blue light transmission device, which is widely used for the observation of nucleic acid and protein gel staining. Blue LED light source, with amber filter cover, and use with nucleic acid-safe dyes with excitation wavelength of 450~495nm, that can achieve perfect gel viewing and cutting effects without protective light filtering goggles.



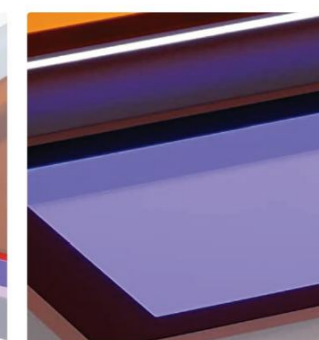
Clear green bands



Cut gel bands directly



Adjust light intensity

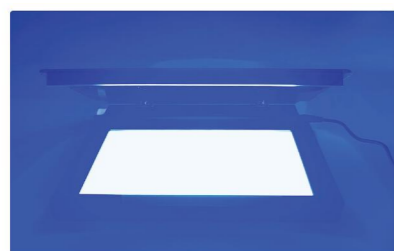


No harmful UV rays

Electrophoresis System

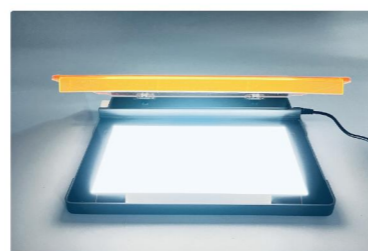
Features

- Dual LED blue/white light: widely applied in basic science and medical diagnostic research;
- Bottom lighting can prevent the interference of reflected light, improve the observation quality;
- LED light source is durable and safe and no harmful to human or experimental samples;
- Include a foldable darkroom for gel bands photography and precision gel cutting knife;
- Allows users to adjust the light intensity contrast based on sample concentration to achieve excellent imaging quality;
- The filter cover can be rotated at multiple angles to facilitate observation and gel cutting;
- Metal integrated body design, durable and long service life;
- Can switch blue or white LED light, convenient for various usage conditions.



Blue LED Mode

Use 470nm wavelength as the excitation light source, used to observe the qualitative and quantitative experiments of nucleic acid. Compatible with popular fluorescent dyes, such as: SYBR Gold, SYBR Green I, SYPRO Orange, GelGreen, Gelite Green, and Coomassie Fluororange stains etc.



White LED Mode

Use full-wavelength white LED as the excitation light source, soft and uniform. Suitable for observing protein electrophoresis gels with coomassie blue staining or silver nitrate staining experiments. It can also be used as a simple viewing light box to view X-ray film and other research or medical use.

Specification

Model	UB-Dual
Observation Area	L210 x W120mm
Power Adapter	12V 1A
LED Source	Bottom built-in Blue/White LED module
LED Lifetime	> 50,000h
Wavelength	470nm
Auto Shutdown Time	5 minutes
Dimension	L255 x W190 x H30mm
Weight	1.5 kg
Power Supply	100~240V; 50/60Hz

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Blue & White LED Transilluminator

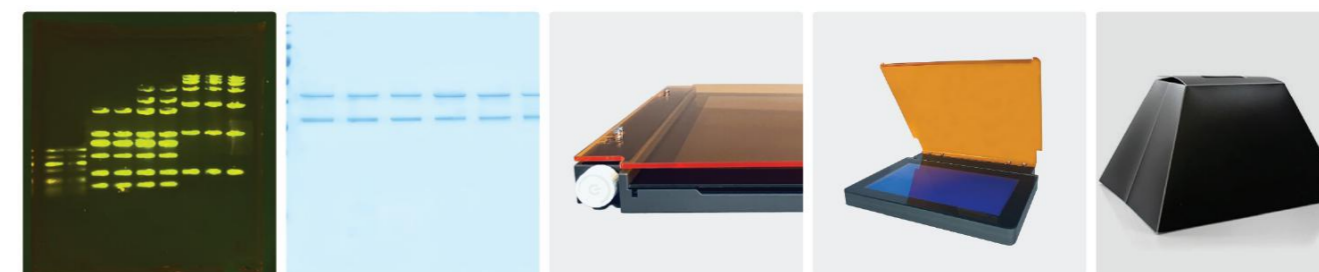
UB-TIDual



Product Introduction

The Dual LED Blue/White Light Transilluminator is an innovatively designed dual-light source transilluminator. It is designed for visualization of nucleic acid gels, protein gels, and membrane stains.

[Dual Light Function] Blue LED Mode White LED Mode



Blue LED mode

White LED mode

Blue/White light switch

Metal integrated body

Darkroom

Features

- Special UV filter glass, with good permeability and high sensitivity;
- High-quality UV lamp tube, strong and uniform UV rays, and excellent fluorescence effect;
- Standard 302nm (optional 254nm or 354nm) UV wavelength lamp tube;
- Precise sealing structure effectively reduces the possibility of gel contamination and internal damage caused by leakage;
- The protection cover can be positioned arbitrarily within 0° ~180° to ensure optimal UV protect.

Application

Special filter glass, high sensitivity, enhance the ability to capture weak gel bands signals

Application

Effectively reduce gel contamination and internal damage caused by leakage



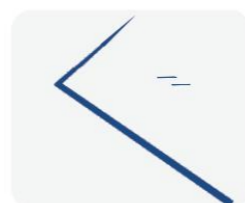
UV light



Cooling fan



UV tube



Protection cover

Specification

Model	UB-TI302
Observation Area	L195 x W145mm
Power	8W x 6
Light Source	Bottom built-in UV module
UV Tube Lifetime	> 1,500h
Wavelength	302 nm (standard)
Auto Shutdown Time	5 minutes
Dimension	L3355 x W265 x H120mm
Weight	5.0 kg
Power Supply	100~240V; 50/60Hz

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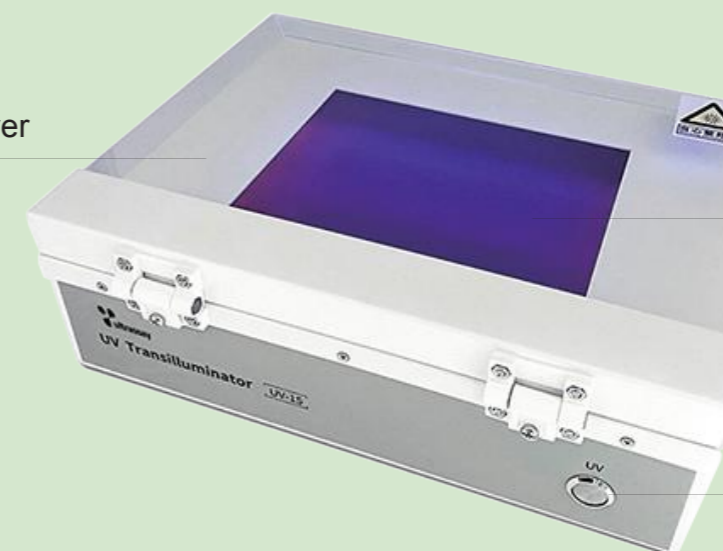
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UV Transilluminator

UB-TI302

Protection cover



UV filter glass

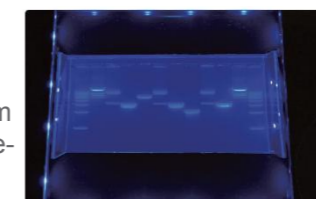
Power switch

Product Introduction

The UV transilluminator is mainly used for observing the results of nucleic acid (DNA/RNA) gel electrophoresis and gel bands cutting. UV light of different wavelengths can be used to detect DNA and RNA electrophoresis gel samples.

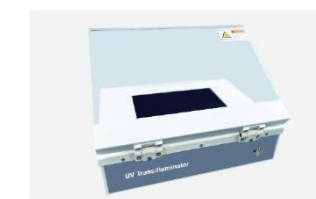
UV tube

Reasonable structure design, strong and uniform UV light, optimal fluorescent effect



Power switch

High quality switching power supply, stable and long lifetime



Protection cover

Can be freely adjusted from 0° to 180° to ensure optimal UV protection



Cooling fan

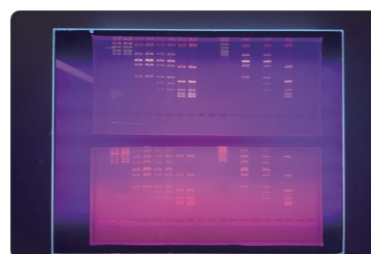
With cooling fan can prolong the service life

Features

- Unique built-in bottom LED UV light source, lower power consumption and long lifetime;
- LED UV lamp beads make the wavelength more concentrated and shorter radiation distance, which greatly reduce harmfulness to the human body;
- Bottom UV light source irradiation, no reflected light interference, high observation and imaging quality.
- Uniform brightness, effectively excite gel sheet and make bands clearer;
- Adjustable light intensity and contrast according to the different experiment purposes and environment, can achieve the best observation or imaging quality;
- Superconducting heat dissipation, no noise, provide comfortable experimental environment;
- Stable aluminum alloy base, only 30mm thickness, lightweight and compact;
- Automatically shuts down after 5 minutes, guarantee the operator or transilluminator safety;
- Different observation areas are available: 150x120mm/200x130mm.

Application

EtBr, SYBR Safe, SYBR Gold, SYBR Green I/II, SYPRO Ruby, SYPRO Orange, SYPRO Red, Coomassie Fluor Orange stains, GelRed, Redsafe etc. excitation and recovery of nucleic acid and protein gel dyes.



Specification

Model	UB-TI302S	UB-TI302Pro
Observation Area	L150 x W120mm	L200 x W130mm
Power Adapter	12V 1A	
LED Source	Bottom built-in UV LED module	
LED Lifetime	> 50,000h	
Wavelength	302 nm	
Auto Shutdown Time	5 minutes	
Dimension	L260 x W192 x H30mm	
Weight	1.3 kg	
Power Supply	100~240V; 50/60Hz	

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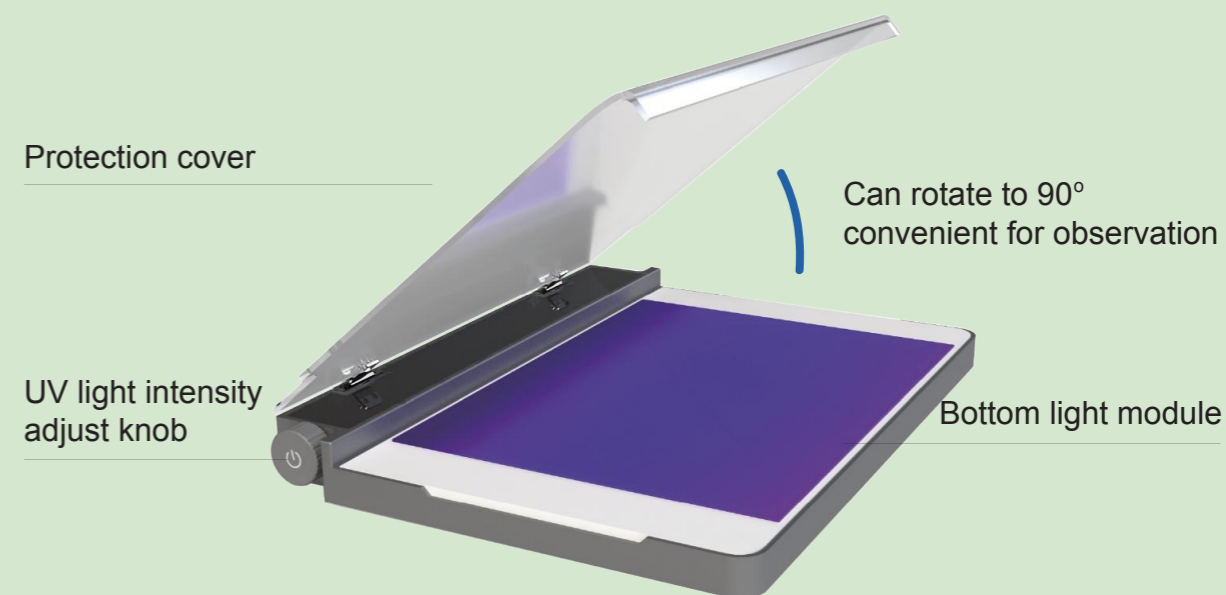
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UV LED Transilluminator

UB-TI302S/Pro



Product Introduction

The 302nm LED UV transilluminator applied for observe the results of nucleic acid (DNA/RNA) gel electrophoresis and do gel cutting operations. Unique LED light panel provides clearer bands observation. The exquisite structural design can achieve convenient observe, detect and cut the electrophoresis gel. 302nm wavelength can excite the fluorescent dye/DNA complex to produce fluorescence to the greatest extent, with high sensitivity, clear observation bands, strong illumination, and uniform brightness. It is also equipped with special UV filter glass with selective absorption ability for specific wavelengths of UV, effectively ensure excitation sensitivity.



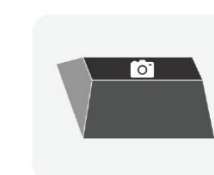
Built-in 302nm UV LED



Superconducting heat dissipation



Light intensity adjustable



Gel photography darkroom