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# UV LED TRANSILLUMINATOR

DS-TI Series

CE ISO9001 CERTIFIED ® Trademark

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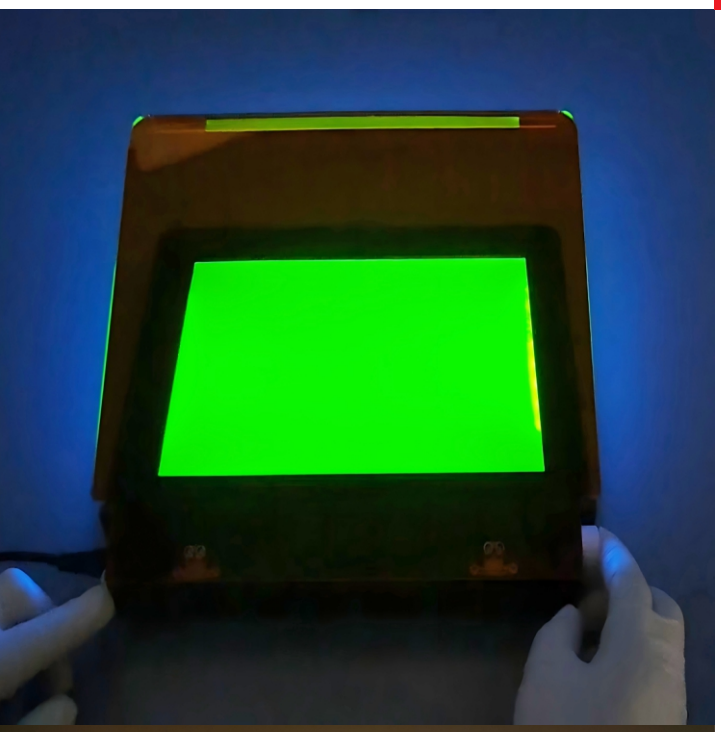
# Dual LED Transilluminator

(Blue & White)

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 gets, and membrane stains.

## [Dual Light Function]
## Blue LED Mode

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



## 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 asimple viewing light box to view X- Ray film and other research or medical use.

## Specification

- Dual LED blue/white light: widely applicated 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 fold-able 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.

| Model | DSTI-DUAL |
|---|---|
| Observation area | L210×W120mm |
| Power adapter | 12V DC, 1A |
| LED source | Blue/white LED light |
| LED lifetime | ＞50,000h |
| Max emission wavelength | 470nm |
| Auto shutdown time | 5min |
| Dimension | L255×W190×H30mm |
| Weight | 1.5kg |
| Voltage/Frequency | 100~240V;50/60Hz |

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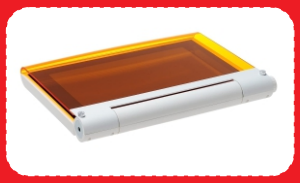
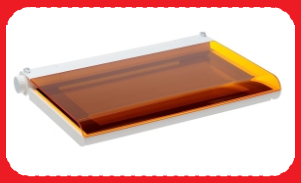
# Blue Light Transilluminator

(Blue & White)

The 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, can achieve perfect gel viewing and cutting effects without protective light filtering goggles.





## Description

- 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 50,000h service life;
- Blue LED has no harmful to human body or gel samples;
- Include a fold-able 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.
- Compatible with most safe fluorescent dyes Include SYBR Safe, SYBR Green I, SYBR Gold; gelite green, SYPRO Orange, Gel green, Coomassie Fluor orange stains. SYPRO Tangerine etc.

| Model | DSTI-470 |
|---|---|
| Observation area | L210×W120mm |
| Power adapter | 12V DC, 1A |
| LED source | Bottom built-in LED light module |
| LED lifetime | ＞50,000h |
| Max emission wavelength | 470nm |
| Auto shutdown time | 5min |
| Dimension | L255×W190×H30mm |
| Weight | 1.5kg |
| Voltage/Frequency | 100~240V;50/60Hz |

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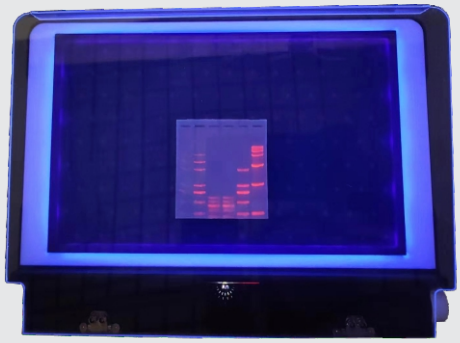
# UV LED Transilluminator

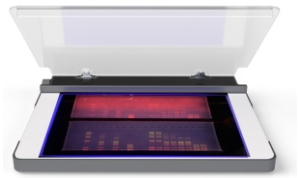
(Blue & White)

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

## Applied for

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

- 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:150*120mm/200*130mm.

| Model | DSTI-302S | DSTI-302Pro |
|---|---|---|
| Observation area | L150×W120mm | L200×W130mm |
| Power adapter | 12V DC, 1A | |
| LED source | UV LED light | |
| LED lifetime | ＞50,000h | |
| Max emission wavelength | 302nm | |
| Auto shutdown time | 5min | |
| Dimension | L260×W192×H30mm | |
| Weight | 1.3kg | |
| Voltage/Frequency | 100~240V;50/60Hz | |

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