Cat. #557

TruBlu™ 2 LED Transilluminator

OPERATION MANUAL

Features:

- Large and versatile viewing platform: 17 x 27.5 x 1.5 cm
- Dual light convenience with a blue AND white light setting
- No UV light – safe for you, your students, and your DNA
- Fan and ventilation prevent condensation
- Orange contrast lid highlights fluorescent light
- High density LED light layout for clear and even visualization
- Hinged lids for easy gel access and no misplaced pieces!
- 3 year warranty

EDVOTEK®

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Introduction

The all-new TruBlu2™ LED Transilluminator is designed to meet the diverse needs of your dynamic biotechnology classroom!

To accommodate the growing number of classroom safe DNA stains, we've created a visualizer that is both a blue lightbox, with an emission spectrum centered around 470 nm, and a white light transilluminator. The blue light and orange contrast lid are optimized for SYBR© Safe but will work with several other fluorescent dyes including traditional Ethidium Bromide. The white light is ideal for viewing non-fluorescent gels that have a lower signal to noise ratio or high background staining.

The large viewing area can accommodate gels of varying lengths, widths, and thicknesses. It also allows for the simultaneous viewing of multiple gels – great for large classes and for comparing and collaborating on results!

However, the TruBlu2 is not just for electrophoresis! Both the large viewing area and dual light system make it great for viewing the results of bacteria transformation experiments, protein extractions, and a variety of colorimetric assays. Versatile and durable, it will be used by your classroom again and again.

Developed in concert with the inventor of the technology under license from Clare Chemical Research, Inc.

Operator Safety

It is important that only suitably trained personnel operate this equipment, in accordance with the instructions contained in this manual and with general safety standards and procedures. If the equipment is used in a manner not specified by EDVOTEK®, it may damage the equipment and void the warranty. All EDVOTEK® units have been designed to conform to international safety requirements.

Warnings

- While the light wavelengths emitted by this product do not require specialized eyewear, the blue light is high intensity. DO NOT stare at the blue lights for a long period without the orange cover in place.
- DO NOT open the outer housing of the transilluminator. This product should only be dismantled by properly trained professionals.
- At all times, USE COMMON SENSE.
- DO NOT submerge the transilluminator in liquids or pour liquids onto the transilluminator.
- Whenever working with any type of stained DNA gel, WEAR disposable gloves.
- The blue and white plates are scratch resistant but not scratch proof. DO NOT cut or use sharp objects on the plates. If you need to extract a band do so carefully and with a dull edge.

User Maintenance

In the unlikely event that you experience any problems with your unit that cannot easily be remedied, you should contact EDVOTEK® to explain the problem and obtain a Return Goods Authorization #. After obtaining the RGA #, return the unit if necessary and include any details of the fault observed. Remember to return the unit in its original packing. EDVOTEK® accepts no responsibility for damage to units that are not properly packed for shipping.

- Cleaning
  Before cleaning your unit ALWAYS disconnect from the power supply. The unit can be cleaned by wiping with a lightly damp, soapy cloth. Care should be exercised to prevent water from running inside the unit. Do not use abrasive cleaners or strong solvents.

Guarantee

The unit is guaranteed against any defect in material or workmanship for three years. The warranty period is from the date of receipt, and within this period all defective parts will be replaced free of charge provided that the defect is not the result of misuse, accident or negligence. Servicing under this guarantee should be obtained from EDVOTEK®. Notwithstanding the description and specification(s) of the units contained in the User's Manual, EDVOTEK® hereby reserves the right to make such changes as it sees fit to the units or to any component of the units. This Manual has been prepared solely for the convenience of EDVOTEK® customers and nothing in this Instruction Book shall be taken as a warranty, condition or representation concerning the description, merchantability, fitness for purpose or otherwise of the units or components.

Contact Information

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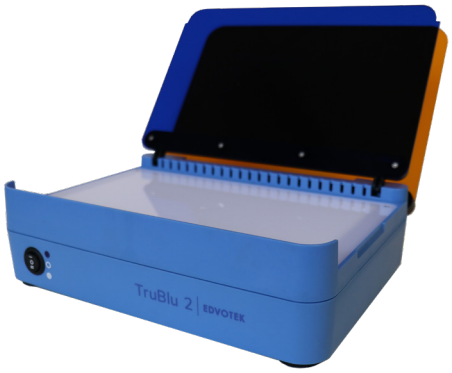
Instructions

If you are visualizing fluorescently stained DNA gels/fluorescent colonies.

1. Place unit on a flat surface. For optimum viewing do not use the TruBlu2 near a window or in a place of high ambient light.
2. Plug the unit into a grounded outlet using the appropriate plug (110 or 220V).
3. Open the orange lid.
4. Place the objects (gels, petri plates, etc.) onto the blue plate of the light box.
5. Close the orange lid.
6. Turn on the blue light by adjusting the switch to the top setting (black circle).
7. Visualize your results and/or take a picture with your phone, tablet, or camera.
8. Turn off the blue light by adjusting the switch to the middle setting (empty circle).
9. Lift the orange lid and remove the objects.
10. Clean the blue plate using a soft tissue or towel and distilled water.

If you are visualizing non-fluorescently stained DNA gels or other objects.

1. Place unit on a flat surface. For optimum viewing do not use the TruBlu2 near a window or in a place of high ambient light.
2. Plug the unit into a grounded outlet using the appropriate plug (110 or 220V).
3. Open the orange lid and the blue plate.
4. Place the objects (gels, petri plates, etc.) onto the white plate of the light box.
5. Turn on the white light by adjusting the switch to the bottom setting (white circle).
6. Visualize your results and/or take a picture with your phone, tablet, or camera.
7. Turn off the white light by adjusting the switch to the middle setting (empty circle).
8. Clean the white plate using distilled water.



Specifications

- Blue Light Wavelength: 470 nm
- LED Life: 50 000 hours
- Power: 110 or 220 outlet
- Max Gel Size: 17 cm x 27.5 cm x 1.5 cm