



Illuminator

B-BOX™ Blue Light LED Epi-illuminator

Phox™ Photobox



B-BOX™ Blue Light LED Epi-illuminator

VE0100

Description

SMOBIO's B-BOX™ is a long wavelength, blue light LED epi-illuminator. It is compact in design and robust in construction. The B-BOX™ epi-illuminator provides an unprecedented level of safety for its user due to its non-UV light source and a low operating voltage of only 12 Volts, as well as its capability in working with non-carcinogenic DNA/ protein dye. The B-BOX™ comes with high quality non-flickering LED light that is highly sensitive for DNA and protein dye. B-BOX™ can greatly ease the routine chore of gel extraction, enabling easy visualization and gel cutting even in bright ambient light. The multi-angle filter plate (Cat. No. VE0102) provides optimal angles for gel cutting, visualization, and documentation. The B-BOX™ also comes with amber colored filter goggles (Cat. No. VE0103) for gel cutting and visualization. The Phox™ Photobox (Cat. No. VE0104) provides a mini darkroom environment for images taken with any smartphone. Finally, a built-in barrier system around the working area helps facilitate cleaning.

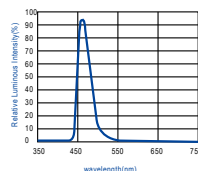


Features

- Improved cloning efficiency
- Compact, lightweight, and portable (less than 1 kg (in weight))
- Safety features include 470 nm long wavelength, without any UV radiation hazard to its user
- Compatible with non-carcinogenic, non-ethidium bromide DNA staining dye
- User friendly: Samples are easy to visualize (when using the filter plate or goggles)
- LED light source lasts up to 50,000 hours
- Superior detection sensitivity: ≤ 0.04 ng of DNA when using FluoroStain™ DNA Fluorescent Staining Dye, ≤ 3 ng of protein when using FluoroStain™ Protein Fluorescent Staining Dye (as sensitive as silver stain)
- Adjustable and removable filter plate allows for gel cutting, visualization, and documentation
- Built-in barrier design, for easy clean up
- Visible in bright ambient light
- Emphasizes minimal power reliance, low heat generation, with its own built-in heat sink

Physical Specifications

- Overall Dimensions (mm): 201.4 x 200 x 38 (D x W x H)
- Viewing Area (mm): 158 x 96 (D x W)
- Wavelength of LEDs (nm): 470
- Number of LED Units: 72 Super Flux LEDs
- LED Life: up to 50,000 hours
- Power: 12 Volt DC , 0.72 Amp
- Electrical Requirements: AC 100~240 V, 50/ 60 Hz (Adapter)
- Weight (kg): 0.95kg (Net Weight)
- Shipping Weight (kg): 1.0 (Gross Weight) – Adapter (0.5 kg) not included
- Material: ASA for housing; Tempered glass working area
- Recommended Dyes: ExcelDye™ DNA Fluorescent Loading Dye
FluoroDye™ DNA Fluorescent Staining Dye
FluoroStain™ Protein Fluorescent Staining Dye
FluoroVue™ Nucleic Acid Gel Stain
SYBR Green I Nucleic Acid Gel Stain



Blue light LED wavelength



Phox™ PhotoBox

VE0104

Description

SMOBIO's Phox™ is a lightweight portable photobox designed to help users take high quality photos of gels observed with SMOBIO's B-BOX™ Blue light epi-illuminator. When working with the Phox™ Photobox, users don't need to turn off any lights or take the gel and system into a dark room to prevent light interference. With a large platform, any smartphone can easily fit the Phox™ Photobox. the Phox™ Photobox is designed to fit B-Box™, but its compact size allows it to work with other UV & blue light illuminators without the need for a large and expensive imaging system.

Features

1. Light and portable
2. Compatible with B-BOX™ and various illuminators
3. Designed with 3D support structure
4. Large platform designed for bigger smartphones
5. Made from a single sheet of paper

Physical Specifications

- Weight : 34 g (net weight)
- Size (mm) : 155 x145 x 100 (D x W x H)
- Tolerance Weight : 1 kg
- Material : Paper
- Photo window size (mm) : 10 x 10

