

SafeBlue Illuminator / Electrophoresis System

MBE-150 MBE-150-PLUS

For MBE-150

The innovative SafeBlue Illuminator is an unit with combination of a small power supply with Blue Light Illuminator. The system emits blue LED light which allows you to view your DNA/RNA bands without worrying about the harmful UV damage to your samples and eyes. SafeBlue Illuminator could also be used as a simple Blue Light Illuminator to cut your samples from gels.

For MBE-150-PLUS

The SafeBlue Electrophoresis System also uses Blue LED Light to allow for immediate visualization of DNA/RNA bands while running agarose electrophoresis gel. The complete system comes with three different sizes of gel trays for your convenience of use, 15x7cm, 15x10cm and 15x15cm. The system is RoHS and CE compliant for environmental and safety concerns. Different accessories are also available for user to select.

Features

- **Innovative** — a complete 4-in-1 system (run, view, capture and cut gel) with simple and easy set up on the image capture/analysis software.
- **Convenient** — run as you see, real time visualization on your DNA/RNA band migration
- **Compact** — footprint smaller than most UV transilluminator, easy to move and ideal for limited bench top space
- **Economical** — an inexpensive imager system with scientific or digital camera. Multiple accessories are also available to increase experimental efficiency
- **Safe** — 470nm blue light less invasive than UV light
- **Flexible** — UV tray adaptors available, compatible with MJ-105 or Mupid 2.
- **Versatile** — support gel trays 15x15cm or smaller
- **Compatible** — MBE-IMG combo with as Image System
- **Optimized performance** — SYBR series DNA/RNA stains, Novel Juice and Midori Green series
- **Simple** — DNA/RNA recovery method



MBE-150

MBE-150 includes:

- 1 x SafeBlue Electrophoresis System Base Unit
- 1 x Power adaptor
- 1 x Power cord



MBE-150-PLUS

MBE-150-PLUS includes:

- 1 x SafeBlue Electrophoresis System Base Unit
- 1 x SafeBlue Electrophoresis Tank
- 1 x Filter lid
- 1 x Power cord
- 1 x 15x7cm UV tray
- 1 x 15x10cm UV tray
- 1 x 15x15cm UV tray
- 2 x 20 sample combs (1mm thick)
- 2 x UV tray casting dams





4 in 1 feature allows you to run as you see in real-time motion

Specification

Cat. No.	MBE-150
Output voltage / Inc.	10-150V / 1V
Output current / Inc.	10-300mA / 1mA
Max. power	30W
Operating mode	Constant Voltage or Current
Timer	999 (min) with alarm / Continuous
Safety device	No load detection
Crossover	Yes
Blue light wavelength	470nm
Operating temperature	Ambient to 40°C
Dimension	(WxLxH) 11.54"x7.87"x3.15" (293x200x80mm)
Weight	Approx. 2.4lb (1.1kg)
Material	Polycarbonate housing and aluminum base plate
Power adaptor	Input: 100-240VAC, 50/60Hz, 1.4A Output: 15VDC, 4.0A, 60W max.
Cat. No.	MBE-TANK
Dimension (WxLxH)	10.43"x6.89"x3.54" (265x175x90mm)
Gel dimension (WxL)	5.91"x2.76" (150x70mm), 5.91"x3.94" (150x100mm), 5.91"x5.91" (150x150mm)
Maximum sample	70 for 2.76"x5.91"x2.76"(150x70mm) Tray (2x35 sample combs) 140 for 5.51"x5.91"x3.94"(150x100mm) Tray (4x35 sample combs) 210 for 8.27"x5.91"x5.91"(150x150mm) Tray (6x35 sample combs)
Buffer volume	500ml
Material	Acrylic (Injection molded construction) Durable, leak proof environment for complete safety and long life
Cassette type electrode	Inexpensive, easy to replace
Electrical safety	Lid can only be fastened in one way Upon lid removal, power is disconnected from buffer chamber
Rapid casting gel	Use casting dams
Cat. No.	MBE-LID-Y1
Dimension (WxLxH)	6.93"x10.55"x1.38" (176x268x35mm)
Filter type	Amber filter (for dyes selection please refer to comparison table for various nucleic acid stain performance, page 87)
Lid filter wiper	Used to remove condensation
Material	Polycarbonate