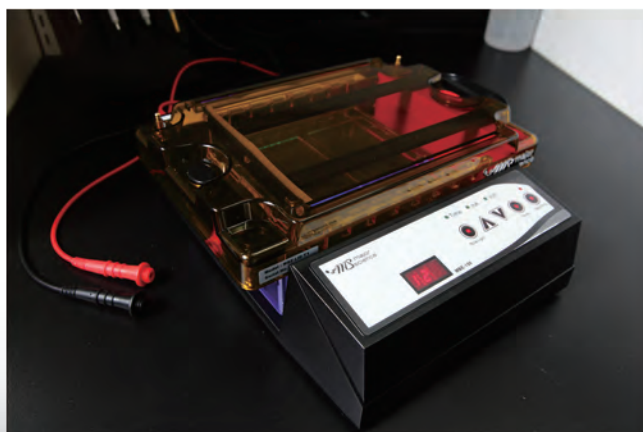


Specification

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)	Approx. 11.5"x7.9"x3.2" (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)	Approx. 10.4"x6.9"x3.5" (265x175x90mm)
Gel Dimension (WxL)	Approx. 5.9"x2.8" (150x70mm), 5.9"x3.9" (150x100mm), 5.9"x5.9" (150x150mm)
Maximum Sample	70 for 5.9"x2.8" (150x70mm) Tray (2x35 sample combs) 140 for 5.9"x3.9" (150x100mm) Tray (4x35 sample combs) 210 for 5.9"x5.9" (150x150mm) Tray (6x35 sample combs)
Buffer Volume	500ml
Construction	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)	Approx. 6.9"x10.6"x1.4" (176x268x35mm)
Filter Type	Amber filter (for dyes selection please refer to comparison table for various nucleic acid stain performance)(Page 57)
Lid Filter Wiper	Used to remove condensation
Material	Polycarbonate

Ordering Information

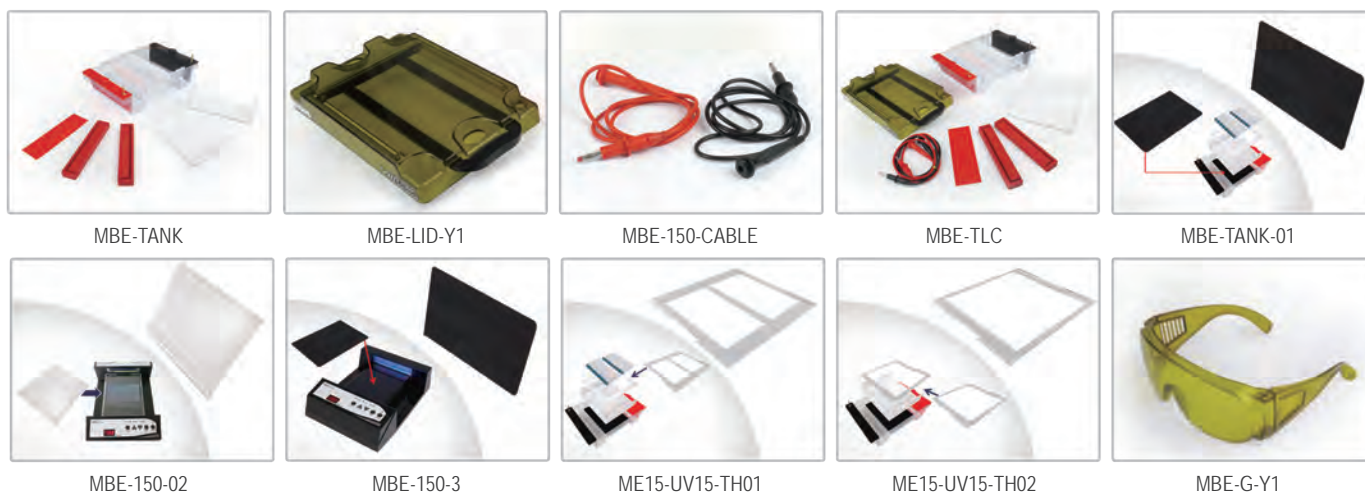
Cat. No.	Product Description
MBE-150	SafeBlue Illuminator
MBE-150-PLUS	SafeBlue Electrophoresis System, including SafeBlue Illuminator, electrophoresis gel tank, amber filter lid, image enhancer film and red/black cable
MBE-TLC	Package of MBE-TANK, MBE-LID-Y1, MBE-150-CABLE



Accessories

Cat. No.	Product Description
MBE-TANK	ME15 Tank for SafeBlue without Lid and Red/Black Cable
MBE-LID-Y1	MBE-150 Lid,yellow
MBE-150-CABLE	Threaded Black and Red Electrophoresis Cable
MBE-TANK-01	120x155mm, shiny black protective film
MBE-150-02	165x140x19mm, Acrylics, cutting platform
MBE-150-3	Base unit platform protective film
ME15-UV15-TH01	ME15-UV15 Tray Holder, 2 cuts, cut size 109.5x60.5mm(For MJ-105 Trays)
ME15-UV15-TH02	ME15-UV15 Tray Holder, 1 cuts, cut size 130.5x122.5mm
MBE-G-Y1	Amber filter viewing glasses, 560nm

* For more information of MBE-IMG-CA, please refer to SafeBlue Imager System.



Comparison table for various nucleic acid stain performance

Nucleic Acid Stain	Performance	Experimental Protocol		
		Pre-staining	Post Staining	Sample Staining
SYBR® Green I (DNA)	Excellent	√	√	√
SYBR® Green II (RNA)	Excellent		√	√
SYBR® Gold	Excellent	√	√	
Midori Green Direct	Excellent			√
Hydra Green™ Safe DNA Dye	Excellent	√	√	
HD Green™ DNA Stain	Excellent	√	√	
SafeView DNA Stain	Good	√		
SYBR® Safe	Good	√	√	
Midori Green	Good	√	√	
Midori Green Advanced	Good	√	√	
Serva DNA Stain Clear G	Good	√	√	
GelGreen™	Good	√	√	
GelRed™	NR	√	√	
Ethidium Bromide	NR	√	√	
HealthView™	NR	√		

NR= Not recommended

MBE-150-PLUS Innovative Electrophoresis System

1. Early detection of running error (run as you see)
2. Prevention for breaking gel- no more gel transferring (no more gloves!!)
3. Time saving gel staining & de-staining
4. Compact in size (no large lab area required)

SafeBlue System

SafeBlue Electrophoresis System

+

SafeBlue Imager System

2 for all

Gel and Sample Preparation

Electrophoresis Running

Sample Observation Image Capture

5 for all

Traditional Method

Gel Electrophoresis System + Power Supply + Shaker + UV Transilluminator + Gel Documentation System

* All images are for reference only, actual products might differ from the pictures above.
* Technical specifications subject to change without notice.