



version 1.0



# 2017 BROCHURE

Blue Light Technology

## New Products

### MS Pipette



- Light weight
- Soft spring system for extremely low pipetting forces
- Controlled volume setting to prevent accidental volume changes
- Different color coded push button for different volume
- Contoured shape: fits either small or large hands
- Large pushbutton, rounded and freely rotating
- Finger hook: takes the weight, for a more relaxed grip
- 3-position tip ejector button (left/right handed users)
- Easy on site calibration (calibration key included)
- High accuracy and precision
- A unique serial number
- UV resistance even under prolonged exposure
- Fully autoclavable (120°C/0.1MPa/20 min)



MSP Series

Cat. No	Description
MSP-2	MS pipette, variable volume 0.2~2µl
MSP-10	MS pipette, variable volume 1~10µl
MSP-20	MS pipette, variable volume 2~20µl
MSP-100	MS pipette, variable volume 10~100µl
MSP-200	MS pipette, variable volume 20~200µl
MSP-1000	MS pipette, variable volume 100~1000µl
MSP-5000	MS pipette, variable volume 500~5000µl
MSP-10000	MS pipette, variable volume 1000~10000µl

Cat. No	Description
MSP-8X10	MS 8-ch pipette, variable volume 0.5~10µl
MSP-8X20	MS 8-ch pipette, variable volume 2~20µl
MSP-8X200	MS 8-ch pipette, variable volume 20~200µl
MSP-8X300	MS 8-ch pipette, variable volume 20~300µl
MSP-12X10	MS 12-ch pipette, variable volume 0.5~10µl
MSP-12X20	MS 12-ch pipette, variable volume 2~20µl
MSP-12X200	MS 12-ch pipette, variable volume 20~200µl
MSP-12X300	MS 12-ch pipette, variable volume 20~300µl



### BluView Transilluminator



#### MBE-300

- Portable 470nm blue light
- Slim design fits in most of electrophoresis tanks
- Perform run and view simultaneously
- Efficient and early stage mistake detection
- Ultra high light uniformity
- Fit most of different brand mini and midi size horizontal electrophoresis system (7x7~10x10 cm)



\* For more information, please refer to p20



MBE-300 &amp; ME 10 Tank





# SafeBlue System

## SafeBlue Electrophoresis System SafeBlue Imager System

FC CE

MBE-150



Note: SafeBlue system is best use with Novel Juice and Midori Green Direct nucleic acid stains

**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

MBE-150-PLUS

Cat. No.	MBE-150	MBE-150-PLUS
Light control	On / Off switch	
Output voltage	10-150V / 1V	
Output current	10-300mA / 1mA	
Output power	30W	
Output type	Constant voltage or constant current	
Timer	999 (min) with alarm / Continuous	
Operating temperature	Ambient to 40°C	
Electrophoresis tank & amber filter lid	N/A	Yes



MBE-IMG-CA

### MBE-150 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)

ME15-UV15-TH01/ 02

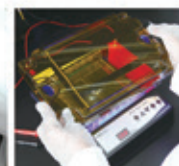
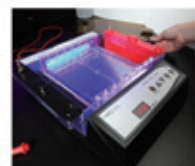
Cat. No.	MBE-IMG-CA
Camera type	Approx. 18.0MP Digital camera
Aperture	f/3.5-6.3 (IS STM Lens)
Shutter speed	30-1/4000 sec.
Storage media	Digital camera (memory card) *no PC required
Darkroom dimension	(WxLxH) 340x195x400mm



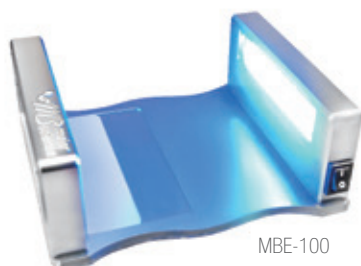
MBE-G-Y1



MBE-150-3



## Mini SafeBlue illuminator



MBE-100

FC CE



MBE-G-Y1



MBE-101

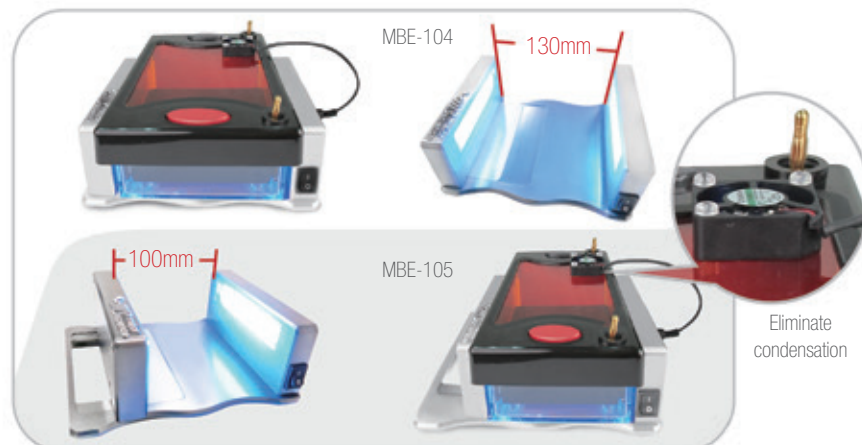
- Convenient- run as you see DNA migration
- Compact- footprint smaller than most UV transilluminator, easy to move and ideal for limited bench space
- Economical- an inexpensive imager system with scientific or digital camera; multiple accessories are also available to increase experimental efficiency
- Safe- 470nm wavelength blue light less invasive than UV light
- Flexible- UV tray adaptors available, compatible with MJ-105 or Mupid 2
- No harmful effects of UV:
  1. Non-carcinogenic, safe for operator
  2. Dramatically less sample degradation than UV



Immediate Visualization

4 in 1 feature allows you to run as you see in real-time motion (run, view, capture and cut gel) with simple and easy set up on the image capture/analysis software

MBE-100 + MBE-101



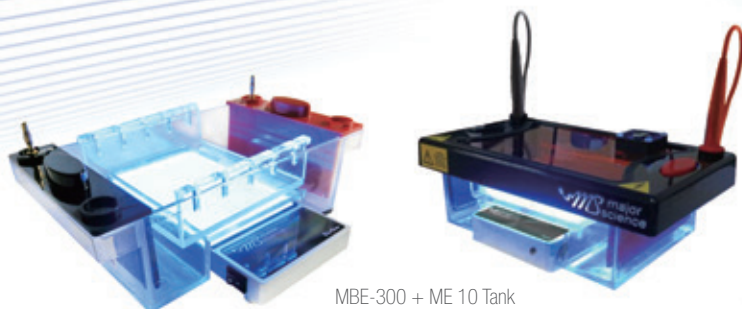
Flexible width for different sizes of electrophoresis tank (Midi plus and Midi plus-1 series)

Cat. No.	MBE-100
Illuminator base design	Adjustable base
Material	Aluminum alloy
Power rating	AC Input: 100-240V~, 50/60Hz, 2A DC Input: +12V/5A, 60W Max.
Blue light wavelength	470nm
Dimension (mm) (WxLxH)	171.4x157x63
Weight	Approx. 1.5kg



## Blue Light Illuminator

### BluView Transilluminator MBE-300



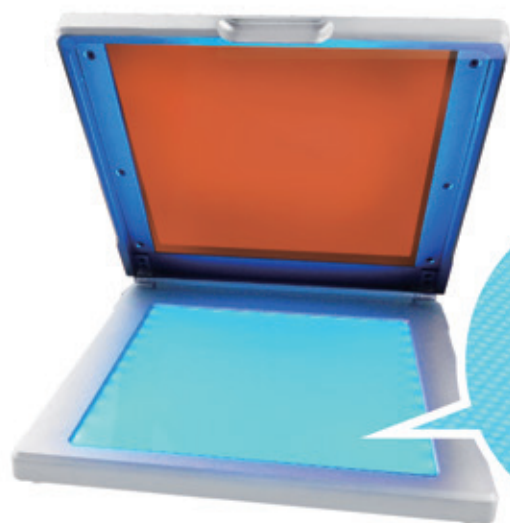
MBE-300 + ME 10 Tank  
horizontal electrophoresis system

\* For more information, please refer to p12

Cat. No.	MEB-300
Illuminator base design	Flat bed
Wavelength	470nm
Viewing Area (mm)	112 x 76
Material	Aluminum alloy
Rated voltage	100-240V
Dimension (mm) (WxLxH)	86 x 170 x 25



### BluView Transilluminator MBE-200



Reticulated  
filter  
design

- Light weight, easy to carry in between labs
- Aluminum alloy casing design
- Low heat dispersion
- Energy saving product
- 470nm blue light for safe human contact

Flexible in angle viewing



Aluminum alloy provides  
sturdy safe structure



Cat. No.	MBE-200
Illuminator base design	Flat bed
Material	Aluminum alloy
Power	AC Input: 100-240V~, 50/60Hz, 2A DC Input: +12V/5A, 60W Max.
Blue light wavelength	470nm
Dimension (mm)(WxLxH)	200x200x28.7
Weight	Approx. 1.52kg
Filter viewing surface dimension (mm)(WxL)	153x153



Portable and light weight

\*Technical specification subject to change without notice.

\*Please visit our website at [www.majorsci.com](http://www.majorsci.com) for more product selection and detailed information.



#### US Office

19959 Sea Gull Way  
Saratoga, CA 95070  
U.S.A.  
T/ +1-408-366-9866  
F/ +1-408-446-1107

#### Taiwan Office

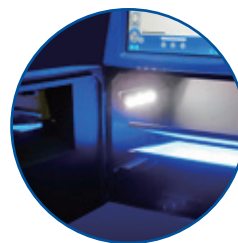
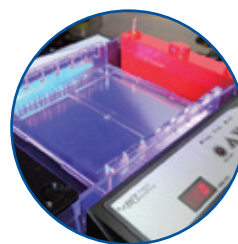
No. 37, Wuquan 5<sup>th</sup> Road,  
Wugu Dist., New Taipei City 24888  
Taiwan  
T/ +886-2-2298-1055  
F/ +886-2-2299-7871

#### Shanghai Office

Room 612, International business exhibition center,  
9300 Hunan Road, Pudong, Shanghai, China  
National toll-free No.:400-823-9177  
T/ +86-21-50795277  
F/ +86-21-50795277

#### India Office

No.12-13-104, St. No.3, Lane No.1,  
Tarnaka, Secunderabad - 500017  
Telengana, India  
T/ +91-40-27001515  
F/ +91-40-27001515



[www.majorsci.com](http://www.majorsci.com)  
[info@majorsci.com](mailto:info@majorsci.com)