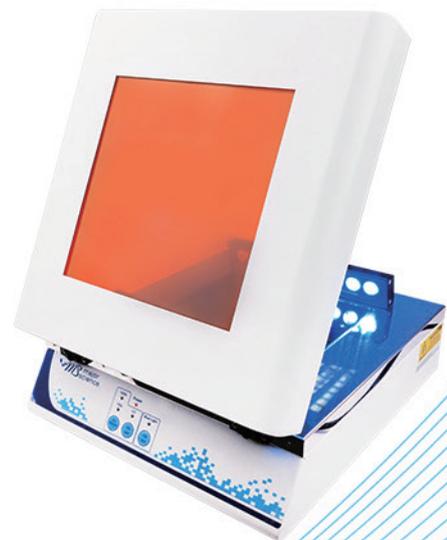


version 1.0



2023-2024 Catalogue

Transilluminator



Innovative Life Sciences Tools

SmartView Transilluminator

MUVB series

SmartView Transilluminator is the next illuminator generation for your lab. Combining the blue and UV light, this equipment allows you to work either using blue or UV light with your samples.

The Epi-Blue light is proportionally emitted on samples to give excellent fluorescence for the examination of nucleic acid bands. As the single or dual wavelength UV light allows the induction of stronger signals.

Moreover, since blue light is within visible light spectrum, it easily provides just enough energy to induce the signals without endangering operator safety.

In addition, this two-in-one system provides you additional convenience for the work on any sample with UV light or using blue light simultaneously without moving your gel back and forth. The SmartView Transilluminator is the ultimate source for any of your lab practice.

Features

- Built-in blue light LED module with UV light
- Single or dual wavelength models are available for different application purposes
- Adjustable UV protection cover for better viewing angle efficiency
- Industry leading long life UV Filter
- Fast start up without flickering to instantaneous tube illumination
- High/Low intensity switch to minimize DNA degradation
- High efficiency reflector provides optimum use of UV light



MUVB



Dye Application Guide

Cat. No.	UV Light	Blue Light
SYBR® Green I (DNA)	√	√√
SYBR® Green II (RNA)	√	√√
SYBR® Gold	√	√√
Midori Green Direct	√	√√
Hydra Green™ Safe DNA Dye	√	√√
HD Green™ DNA Stain	√	√√
SafeView DNA Stain	√√	√
SYBR® Safe	√	√
Midori Green	√	√
Midori Green Advanced	√	√
Serva DNA Stain Clear G	√√	√
GelGreen™	√	√
GelRed™	√√	
Ethidium Bromide	√√	
HealthView™	√√	

√√ Excellent

√ Good



Built-in blue LED module provides flexibility in DNA stain selection



UV light applied



Blue light applied



Removable amber Filter

Specifications

Model	SmartView
Filter Size (WxL)	Approx. 8.3"x8.3" (210x210mm)
Intensity Switch	High (100%) / Low (70%) intensity switch for single wavelength model
Fast Response	High quality starter to light up the tubes instantaneously and cause no blinking
Blue Light Source	1W x 18 lamps
UV Resistance Plastic Cover (WxL)	Approx. 8.9"x10.2" (225x260mm) (Transparent)
Blue Light Resistance Plastic Cover (WxL)	Approx. 8.9"x10.2" (225x260mm) (Orange)
Dimension (WxLxH)	Approx. 13.4"x11.3"x6.9" (340x286x176mm)
Rated Voltage	100-230V~, 50/60Hz, 2A
Weight	Approx. 24.7lb (11.2kg)

Model	Cat. No.	Type	Wavelength	UV Light Source (1tube / 8W)
SmartView 111	MUVB-111	Single	312(302)nm	5 tubes
SmartView 112	MUVB-112	Single	254nm	5 tubes
SmartView 113	MUVB-113	Single	365nm	5 tubes
SmartView 114	MUVB-114	Single	312(302)nm (high performance)	5 tubes
SmartView 121	MUVB-121	Dual	254nm / 312(302)nm	4 tubes / 5 tubes
SmartView 122	MUVB-122	Dual	254nm / 365nm	5 tubes / 4 tubes
SmartView 123	MUVB-123	Dual	254nm / 312(302)nm (high performance)	4 tubes / 5 tubes

Ordering Information

Cat. No.	Product Description
MUVB-111	SmartView 111 Transilluminator with blue light and built-in UV, single wavelength 312(302)nm
MUVB-112	SmartView 112 Transilluminator with blue light and built-in UV, single wavelength 254 nm
MUVB-113	SmartView 113 Transilluminator with blue light and built-in UV, single wavelength 365 nm
MUVB-114	SmartView 114 Transilluminator with blue light and built-in UV, single wavelength 312(302) nm, high performance
MUVB-121	SmartView 121 Transilluminator with blue light and built-in UV, dual wavelength 254/312(302)nm
MUVB-122	SmartView 122 Transilluminator with blue light and built-in UV, dual wavelength 254/365nm
MUVB-123	SmartView 123 Transilluminator with blue light and built-in UV, dual wavelength 254/312 (302)nm, high performance

* For different single wavelength models. please consult with your regional manager.

Accessories

Cat. No.	Product Description
MBE-G-Y1	Amber Filter Viewing Glasses, 560 nm (optional)



MBE-G-Y1



MUVB series + DI-01



MUVB series + MUV-IMG-CA

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* Technical specifications subject to change without notice.

UV Transilluminator

MUV series

The bench-top UV Transilluminator series offers the researcher uniform and intense sources of ultraviolet light (radiation) with a compact footprint. Their special design emits either one or dual intensity excitation UV wavelengths for back-illumination of transparent fluorescent materials. 254nm, 312 (302)nm, 365nm, 254 & 365nm, and 254 & 312 (302)nm modes are available for different applications. There are two choices of filter size viewing dimensions, 260x210mm and 210x210mm for different user requirements. The 365nm mode is offered for easy view of gels under long wave for extended periods of time avoiding photo nicking damage. The 254nm mode is used to irradiate samples. The 312 (302)nm mode is suggested for general gel operating. The single wavelength modes have a high intensity / low intensity switch equipped. All bench-top transilluminator modes are compact, lightweight and economical.

A high performance model, 312 (302)nm UV Transilluminator with a strong lighting and longer life time tubes, was introduced for demanding requirements.



FC CE



Adjustable UV protection cover



MUV-21 series



MUV-26 series

Features

- 254nm or 312 (302)nm or 365nm or 254/365nm or 254/312 (302)nm modes available
- 260x210mm or 210x210mm view dimension
- High intensity / low intensity switch for single wavelength model
- Adjustable UV protection cover for better viewing angle efficiency
- High performance models available
- Long life time filter

Specification

Model	MUV26 series	MUV21 series
Wavelength	254 / 312 (302) / 365nm	
Filter Size	Approx. 10.2"x8.3" (260x210mm)	Approx. 8.3"x8.3" (210x210mm)
Light Source	6 tubes, 8W/tube	
Filter	Long life filter	
	High efficiency reflector	
Intensity Switch	High (100%)/Low (70%) intensity switch for single wavelength mode	
Fast Start Up	High quality starter to simultaneously illuminate tubes when switched on and no blink	
UV Resistant Plastic Cover (WxL)	Approx. 13"x9.8" (330x250mm)	
Dimension (WxLxH)	Approx. 13.4"x11.6"x3.9" (340x295x100mm)	
Weight	Approx. 16.5lb (7.5kg)	
Rated Voltage	110V/220V~	

Ordering Information

Cat. No.	Product Description
MUV21-254	210x210mm Transilluminator for 254nm
MUV21-312	210x210mm Transilluminator for 312 (302)nm
MUV21-312H	210x210mm Transilluminator for 312 (302)nm, high performance
MUV21-365	210x210mm Transilluminator for 365nm
MUV21-254/365	210x210mm Transilluminator for 254 and 365nm
MUV21-254/312	210x210mm Transilluminator for 254 and 312 (302)nm
MUV21-254/312H	210x210mm Transilluminator for 254 and 312 (302)nm, high performance
MUV26-254	260x210mm Transilluminator for 254nm
MUV26-312	260x210mm Transilluminator for 312 (302)nm
MUV26-312H	260x210mm Transilluminator for 312 (302)nm, high performance
MUV26-365	260x210mm Transilluminator for 365nm
MUV26-254/365	260x210mm Transilluminator for 254 and 365nm
MUV26-254/312	260x210mm Transilluminator for 254 and 312 (302)nm
MUV26-254/312H	260x210mm Transilluminator for 254 and 312 (302)nm, high performance

Accessories

Cat. No.	Product Description
MUV-T254	8W 254nm UV lamp
MUV-T312	8W 312 (302)nm UV lamp
MUV-T365	8W 365nm UV lamp
MUV-F21-254/365	21x21cm Filter for built-in 254/365nm UV Transilluminator (with stainless steel frame)
MUV-F21-312	21x21cm Filter for built-in 312(302)nm UV Transilluminator (with stainless steel frame)



MUV series + DI-01



MUV series + MUV-IMG-CM

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Taiwan Headquarters

Headquarters:

No. 156, Sec. 1, Guoji Rd., Taoyuan Dist.,
Taoyuan City 33061, Taiwan
T/+886-3-3762878
F/+886-3-3761310

Factory:

No.19, Ln. 207, Huakang St. Bade Dist.,
Taoyuan City 33464 Taiwan
T/ +886-3-3623319
F/ +886-3-3623133
Email : info@majorsci.com

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

US Office

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

India Office

D. No. 12-13-99, Satguru Apts. Extn.
Street. No. 3, Lane No.1, Tamaka
Secunderabad – 500 017. India
T/ +91-40-27001515
F/ +91-40-27001586



www.majorsci.com

info@majorsci.com

