

Introducing Transilluminators

A guide to our products

Transilluminators are optimized for use with nucleic acid and protein stains such as: EtBr, SYBR Safe, SYBR Gold, SYBR Green I & II, S YPRO® Orange, Coomassie Fluor™ Orange stains, GelGreen, GelRed and Lumitein™ Protein Gel Stain



UltraSlim™ LED Transilluminator

Small and Strong



Designed for viewing stained gels on the laboratory bench or within gel documentation systems



Accurate with <10% CV across full filter area and incredibly sensitive with up to 1ng nucleic acid



Small enough for single handed take



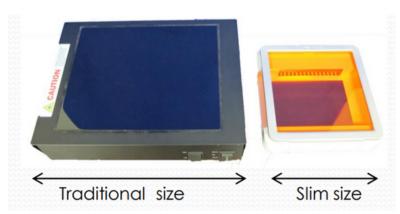
Easy for observation and gel cutting



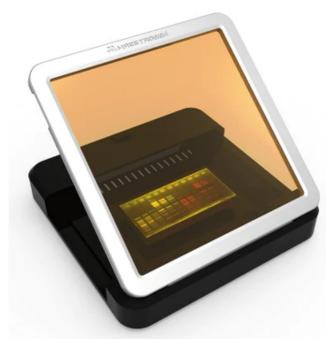
Safe, no damage to you or your samples



Lighting from the LED source inside instrument produces blue light with a narrow emission peak centered at 470nm; effective for excitation of most nucleic acid/protein stains



*MaestroGen SW-04 Slim White (LED white transilluminator) can be used alone or combined with MaestroGen UltraSlim LED Transilluminator SLB-01W; SLB-03W for viewing DNA, RNA and protein gels.



UltraSlim™ LED Transilluminator

Small and Strong

Specifications:

Cat no. SLB-03W (SLB-01 W+SW-04)

Dimensions 210(W)x210(D)x30(H)mm

View Size (mm) 120(D)*70(W)-Blue

130(D)*90(W)-White

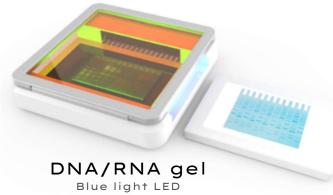
Light Source Blue LED(470nm)+White LED

Uniformity 10% CV

Blocking filter Amber color **Power** DC 12V I 2.5A

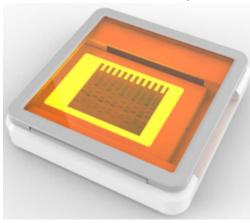
Weight (Kg) 2.6











UltraBright® LED Transilluminator

Safe for you, good for your sample



Designed for viewing strained gels on the laboratory bench, or within gel documentation systems



Flexibility as it is suitable for multiple strain types and adjustable intensity



Easy for observation and gel cutting

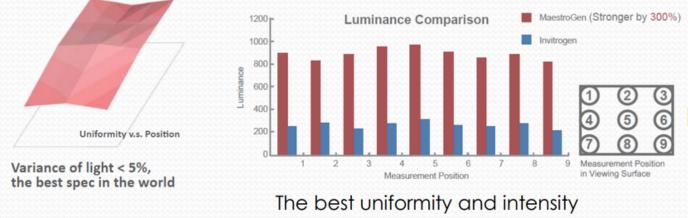


Accurate with <5% CV across the full filter area and incredibly sensitive with up to 1ng nucleic acid



Safe with no damage to you or your samples







UltraBright® LED Transilluminator

Safe for you, good for your sample

Specifications:

Cat no. LB-16 LB-17

Dimensions 280D x 340W x 80H 280D x 340W x 80H

View Size (mm) 160D x 200W 160D x 200W

Light Source Blue LED light

< 5% CV

Uniformity

Wavelength (nm) 470 nm

24V - 1.25A **Power**

Weight (Kg) 3.6 kg

Blue, Green, Red

LED light

< 5% CV

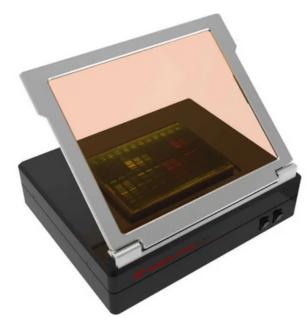
470 (Blue), 530

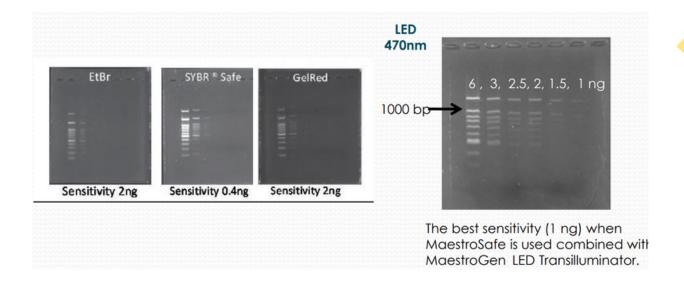
(Green), 630 (Red);

no 630(Red) filter

24V - 1.25A

3.6 kg





UltraBright® Blue/Green LED Transilluinator



Designed for viewing DNA/RNA gels on the laboratory bench



Easy for observation and gel cutting



Safe with no damage to you or your samples



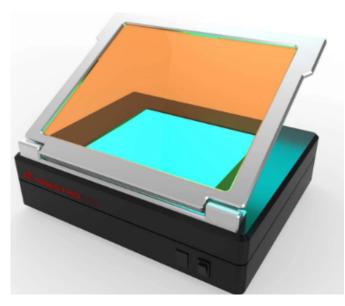
Accurate with <5% CV across the full filter area and incredibly sensitive with up to 1ng nucleic acid

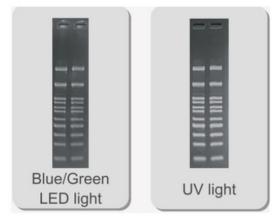


Flexibility as it is suitable for multiple strain types and adjustable intensity



High power LEDs and dichroic filter inside the instrument, producing a powerful emission light and remove background completely





Comparison with Ethidium Bromide gel results with Blue/Green LED light and UV light

Specifications:

Cat no.

Dimensions

280(0)* 340(W)* 80(H)mm

View Size (mm)

Light Source

Blocking Cover

Consumption

Filter

LB-18

280(0)* 340(W)* 80(H)mm

160(D)*200(W)mm

Aluminum alloy metal frame

Amber color

Wavelength (nm) 505nm

Power AC 100-240V∼50/60 Hz

Weight (kg) 3.8 Kg

UltraSlim UV Transilluminator

As small as it can be



Equipped with a new-design UV blocking cover which is easily detachable for access to the work surface



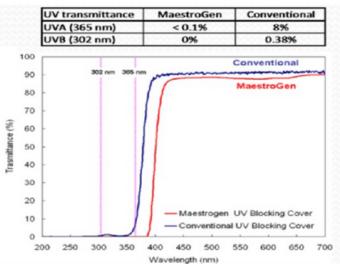
Small enough for single handed take



Accurate with <5% CV across the full filter area and incredibly sensitive with up to 0.5ng nucleic acid and higher S/N ratio



Easy for observation and gel cutting



UltraSafe UV blocking cover: block 99.99% of UV transmittance



Specifications:

Cat no. UUV-01
Dimensions 247D x 132W x 48.5H
View Size (mm) 150D x 80W
Light Source UV lamp X1

Uniformity +/- 5 %
Wavelength (nm) 302 nm
Power DC12V/1.5A

Weight (kg) 1.4 Kg

UltraBright UV Transilluminator

High contrast, strong frame



Flexible with adjustred intensity option



UltraSafe UV blocking cover blocks 99.99% UV transmittance



Easy for observation and gel cutting



Cat no.

Accurate with <5% CV across the full filter area and incredibly sensitive producing high contrast with strong frame, up to 0.1ng nucleic acid

MB-21



MB-16

Specifications:

MLB-21

Dimensions	280D x 340W x 80H	280D x 340W x 80H	280D x 340W x 80H	280D x 340W x 80H
View Size (mm)) 210D x 260W	210D x 260W	160D x 200W	160D x 200W
Light Source	UV tubes: 11x 8W	UV tubes: 6 x 8W	UV tubes: 9 x 8W	UV tubes: 5 x 8W
Blocking Cover	r Aluminum alloy fram	eAluminum alloy fram	e Aluminum alloy frame	e Aluminum alloy frame
Wavelength (nm)	302 & 365nm	302 nm	302 & 365nm	302 nm
Power	100-240V, 50-60Hz	100-240V, 50-60Hz	100-240V, 50-60Hz	100-240V, 50-60Hz
Weight (kg)	4.3kg	4.3kg	4.3kg	4.3kg

MLB-16

Bandpeeper

LED Transilluminator

Real-time in gel



First platform for offering real-time electrophoresis, LED transilluminator for DNA gel fluorescent signal observation in water solution



Sensitivity: 2ng nucleic acid



Convenient in respect to time and cost saving for new sample electrophoresis trial & error



Safe, no damage to you or your samples



Strong blue LED used with common nucleic acid dyes



Accurate electrophoresis duration control + no decay for DNA gel (UV flash lamp decays DNA gel)



Anti-fog design on amber filter; anti-water condensation

Specifications:

Cat no. RT - 172

Dimensions 166D x 170W x 51H

Window size (mm) 150D x 60W Light Source Blue LED light

Blocking Cover Aluminum alloy frame

Wavelength (nm) 470 nm Power 24V - 1.25A

Weight (kg) 0.9 kg

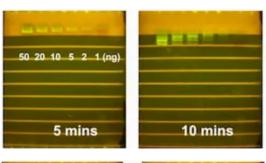
Filter type Amber filter

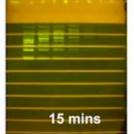
PCBA surface Anti-moisture treatment

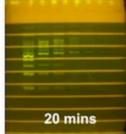
Compatibility Mupid tanks

(Mupid exU series: exU, ACE, and ONE)









The real-time observation of electrophoresis in gel

SlimWhite

Illuminator



Light panel can be used independently, easy to view colorimetric gels, Coomassie blue or silver strained media



No need to use UV for white light conversion



High brightness



Uniform: illumination is designed by light guide plate with diffuser



Easy to observe, as light is under the gel, avoids bubble and reflection issues



Cost effective (~50,000 hrs), low power consumption

Trans-illumination Epi-illumination Good contrast (O) (X) Epi-illumination Epi-illumination Epi-illumination (X) (X)

Easy Observation: light source is under the gel, avoiding bubble and reflection

- **SW-02 SlimWhite**: trans-illumination light is under the gel, avoiding bubble and reflection
- Others: epi-illumination light is above the gel with bubble and reflection affect



Cat no. SW-02

Dimensions 292 (D)* 217 (W)* 12.8 (H)

View Size (mm) 240 (D)* 160 (W) Light Source White light LEDs

Power DC 12V Weight (kg) 1.2



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