

Lab Equipment

LUV-260 UV Transilluminator

LUV-260 UV Transilluminator is a practical instrument in molecular biology, molecular genetics, medicine and health, biological products, agriculture, and other life science research fields. It can be used for viewing DNA or RNA that had been separated by electrophoresis through an agarose gel, viewing samples to size a PCR product, purifying DNA segments after a restriction enzyme digest, quantifying DNA, or verifying RNA integrity after extraction.



Featuring exquisite structural design and unique transparent ultraviolet protective plate, LUV-260 not only makes the observation, detection and cutting of electrophoresis gel simple and convenient, but also minimizes the damage of ultraviolet rays to operators.

You can choose different wavelength combinations based on your needs. Single wavelength UV transilluminators come standard with 302nm UV tubes, while dual wavelength transilluminators come standard with 302nm UV tubes.

Product Features

- Multiple wavelength combinations for you to choose: single wavelength, dual wavelength
- UV blocking cover is adjustable to varying heights, providing maximum UV protection without affecting observation.
- Special UV blocking glass has good permeability to specific wavelengths of UV, ensuring higher detection sensitivity.
- High-performance UV tubes provides uniform UV irradiation.
- Equipped with a fan cooling device to extend the life of the instrument.

Technical Data

Model	Illuminated Area	UV Tubes
LUV-260L	260 x 210mm	Eight tubes (8w, 365nm)
LUV-260M	260 x 210mm	Eight tubes (8w, 302nm)
LUV-260S	260 x 210mm	Eight tubes (8w, 254nm)
LUV-260ML	260 x 210mm	Four tubes (8w, 302nm) + Four tubes (8w, 365nm)
LUV-260SL	260 x 210mm	Four tubes (8w, 254nm) + Four tubes (8w, 365nm)
LUV-260SM	260 x 210mm	Four tubes (8w, 254nm) + Four tubes (8w, 302nm)



Lab Equipment

LUV-450 Blue/White Light Transilluminator

Conventional DNA electrophoresis analysis usually uses ethidium bromide (EB) for staining. However, ethidium bromide is a carcinogen with strong toxicity. As a result, researchers now choose to use harmless dyes such as SYBR, which needs blue light as an excitation light source. LUV-450 Blue Light Transilluminators can be used for viewing a wide range of fluorescent samples including SYBR Green, GelStar, GelGreen, SYPRO Ruby, ProQ Diamond, fluorescein and various GFPs. LUV-450 use pure visible blue light as the excitation source, eliminating the harm of UV radiation to both samples and users.



Product Features

- Applicable for a wide range of dyes: Fluorescein, AttoPhos, GelStar, Vistra Green, SYPRO Orange, red shifted GFP variants, etc.
- Excellent for new non-toxic DNA dyes (e.g. SYBR Green, SYBR Gold), eliminating the harm of EB.
- Pure visible light (400-500 nm), no harmful UV to human body and samples.
- High sensitivity.
- Supplied with a pair of viewing glasses (LUV-60) for cutting gel.
- Easily switch between blue and white light.
- Irradiation intensity is adjustable from 10% to 100%.
- Easy to operate and maintain.
- Built-in cooling fan dissipates heat quickly and extends the lifespan of the instrument.

Technical Data

Madal	Blue Light Transilluminator	White Light Transilluminator
Woder	LUV-450	LUV-260W
Illuminated Area	260 x 210mm	260 x 210mm
LEDs	24 blue LEDs / 20 white LEDs	24 white LEDs
Wavelength	Blue (470nm), White (400-760nm)	White (400-760nm)
Irradiation intensity	10% -100% adjustable	10% -100% adjustable
Dimension	325 x 322 x 105 mm, 7kg	325 x 322 x 105 mm, 7kg