

# Life Science Tools & Technology

UV Products | Light Sources | Lab Products



# Transilluminators

All UVP transilluminators provide back-illumination of transparent fluorescent materials. UV Transilluminators are equipped with an UV blocking cover to shield the user from UV. The transilluminator base is painted with a high-quality, scratch-resistant powder coat. Models include either a stainless steel top assembly or powder coat paint.

## UVP FirstLight Transilluminator Uniform UV Illuminator

The FirstLight UV Illuminator represents a unique, highly uniform 302 nm UV excitation source for quantitative fluorescent imaging in a wide range of applications. The transilluminator achieves accurate and reproducible RNA, DNA and protein results. The illuminator emits 302 nm UV excitation and combined with a patented phosphor coating configuration generates exceptionally uniform UV illumination over each band and lane. Multiple gels may be placed on the surface with assurance of uniformity for each gel.



Dimensions: 14W x 11D x 5.63H in. (356 x 279 x 143 mm), 20 lbs.

- Produces <5% coefficient of variance (CV) across the full filter area
- Exceptionally uniform, edge-to-edge illumination
- Accurate gel-to-gel comparisons
- Uniformity ensures consistent illumination over the imaging surface, resulting in high quality images
- Applications include DNA and protein gel documentation and analysis

**Additional Wavelengths:** When other wavelengths are required for fluorescence of various stains, optional plates convert the transilluminator's 302 nm to 365 nm, 460 - 470 nm or white light. See page 14 for converter plates.

- UVP FirstLight and 3UV models are patented and available only from Analytik Jena

### Order Number

### Description

115 V	230 V	UVP FirstLight Transilluminators
95-0364-01	95-0364-02	FI-26X, 302 nm UV, Filter Size 25 x 26 cm
95-0365-01	95-0365-02	FI-20, 302 nm UV, Filter Size 20 x 20 cm
95-0366-01	95-0366-02	FI-26, 302 nm UV, Filter Size 21 x 26 cm

## UVP Benchtop UV Transilluminators

All Benchtop Transilluminators are compact and lightweight. Benchtop models are available in four different variations of UV illumination: an economical Single UV with optional variable intensity (302 nm), 2UV (302 and 365 nm) or 3UV (254, 302, and 365 nm). Multiple filter sizes are available and may be seen on page 10.

**3UV, 2UV, Single UV, and Variable Intensity Benchtop models** (except Mini) feature increased performance and efficiency with an electronic ballast. This design produces higher UV intensity and uniformity plus instant start up.

### 3UV Benchtop Models



Dimensions: 14W x 11D x 5.4H in. (356 x 279 x 137 mm), 16lbs

### 2UV Benchtop Models



Dimensions: 14W x 11D x 4.8H in. (356 x 279 x 122 mm), 12.7 lbs.

### Single Intensity and Variable Intensity Benchtop Models



Dimensions: 14W x 11D x 4.8H in. (356 x 279 x 122 mm), 12.7 lbs.

### Mini Benchtop Transilluminator



Dimensions: 10.25W x 7.25D x 4.5H in. (260 x 184 x 114 mm), 7.7 lbs.

Unique 3UV benchtop models include 254, 302 and 365 nm UV wavelengths in one unit.

- View gels using longwave UV for extended periods of time, reducing photonicking damage
- Switch to 302 nm to increase the fluorescence for photodocumentation
- Use shortwave to irradiate samples
- Compact size is an alternative to larger High Performance UV Transilluminators
- Stainless steel filter assembly

The 2UV models allow users to switch between 302 nm and 365 nm UV wavelengths in one unit.

- A single intensity setting and 8-watt UV tubes
- Select from 20 x 20 or 21 x 26 cm filter areas

Variable Intensity Models feature adjustable intensity with selection of high, medium, and low settings.

- **High** setting allows UV excitation of fluorophores on gels for routine photography. Also excites gels with low sample concentration.
- **Medium** intensity setting is excellent for viewing and quick single-band excision.
- **Low** setting is used for positioning and preparation of the gel, excising multiple bands and focusing for photography purposes.

Mini benchtop M-10E is an economical transilluminator using 6-watt, 302 nm tubes. This model is excellent for educational purposes.

**For Gel Tools & Converter Plates, see pages 14-15**

Order Number		Description
<b>115 V</b>	<b>230 V</b>	<b>UVP Benchtop UV Transilluminators and Replacement Tubes</b>
95-0417-01	95-0417-02	LMS-20, Single Intensity 254/302/365 nm UV, Filter Size 20 x 20 cm
95-0414-01	95-0414-02	LMS-26, Single Intensity 254/302/365 nm UV, Filter Size 21 x 26 cm
95-0449-01	95-0449-02	LM-20, Single Intensity 302/365 nm UV, Filter Size 20 x 20 cm
95-0459-01	95-0459-02	LM-26, Single Intensity 302/365 nm UV, Filter Size 21 x 26 cm
95-0566-01	95-0566-02	LS-26, Single Intensity 254/365 nm UV, Filter Size 21 x 26 cm
95-0455-01	95-0455-02	M-15 Single Intensity, 302 nm UV, Filter 15 x 15 cm
95-0456-01	95-0456-02	M-15V Variable Intensity, 302 nm UV, Filter 15 x 15 cm
95-0447-01	95-0447-02	M-20 Single Intensity, 302 nm UV, Filter 20 x 20 cm
95-0452-01	95-0452-02	M-20V Variable Intensity, 302 nm UV, Filter 20 x 20 cm
95-0457-01	95-0457-02	M-26 Single Intensity, 302 nm UV, Filter 21 x 26 cm
95-0458-01	95-0458-02	M-26V Variable Intensity, 302 nm UV, Filter 21 x 26 cm
95-0413-01	95-0413-02	M-26XV Variable Intensity, 302 nm UV, Filter 25 x 26 cm
95-0180-01	95-0180-02	M-10E Single Intensity, 302 nm UV, Filter Size 10 x 10 cm
34-0007-01		Tube, 8-watt, 254 nm UV
34-0042-01		Tube, 8-watt, 302 nm UV
34-0006-01		Tube, 8-watt, 365 nm UV
34-0044-01		Tube, 6-watt, 302 nm UV

## UVP High Performance UV Transilluminators

All High Performance UV Transilluminators include exclusive 25-watt ultraviolet tubes which provide brilliant UV illumination.

### Single Wavelength UV & Variable Intensity UV Models



Choose a model with shortwave (254 nm), midrange (302 nm) or longwave (365 nm) UV for high fluorescence and sensitivity of stained gels.

- Deliver high UV output and intensity, no light flicker, fast lamp start-up and reduced electrical consumption
- Stainless steel frame enables easy cleaning
- The back-lit UV illumination is further enhanced with Analytik Jena's UVG long-life filter and uniformity screen
- The UV blocking cover, included with each transilluminator, is adjustable for access to the filter area

## 2UV High Performance Models



High Performance 2UV models are the same size and design as other high performance models but are equipped with midrange (302 nm) and longwave (365 nm) UV in each unit.

- Deliver high UV output and intensity, no light flicker, fast lamp start-up and reduced electrical consumption
- Stainless steel frame enables easy cleaning
- The back-lit UV illumination is further enhanced with Analytik Jena's UVG long-life filter and uniformity screen
- The UV blocking cover, included with each transilluminator, is adjustable for access to the filter area

Dimensions for all High Performance UV Transilluminators:  
19.13W x 13.25D x 5.63H in. (486 x 337 x 143 mm), 21 lbs.

Order Number		Description
115 V	230 V	UVP High Performance UV Transilluminators and Replacement Tubes
95-0423-01	95-0423-02	TFM-20V, Variable Intensity 302 nm UV, Filter Size 20 x 20 cm
95-0422-01	95-0422-02	TFM-26V, Variable Intensity 302 nm UV, Filter Size 21 x 26 cm
95-0424-01	95-0424-02	TFM-30V, Variable Intensity 302 nm UV, Filter Size 25 x 30 cm
95-0421-01	95-0421-02	TFM-40V, Variable Intensity 302 nm UV, Filter Size 20 x 40 cm
95-0420-01	95-0420-02	TFL-40V, Variable Intensity 365 nm UV, Filter Size 20 x 40 cm
95-0427-01	95-0427-02	TFS-20V, Variable Intensity 254 nm UV, Filter Size 20 x 20 cm
95-0428-01	95-0428-02	TFS-26V, Variable Intensity 254 nm UV, Filter Size 21 x 26 cm
95-0429-01	95-0429-02	TFS-30V, Variable Intensity 254 nm UV, Filter Size 25 x 30 cm
95-0430-01	95-0430-02	TFS-40V, Variable Intensity 254 nm UV, Filter Size 20 x 40 cm
95-0431-01	95-0431-02	TFML-20, Single Intensity 302/365 nm UV, Filter Size 20 x 20 cm
95-0425-01	95-0425-02	TFML-26, Single Intensity 302/365 nm UV, Filter Size 21 x 26 cm
95-0432-01	95-0432-02	TFML-30, Single Intensity 302/365 nm UV, Filter Size 25 x 30 cm
95-0426-01	95-0426-02	TFML-40, Single Intensity 302/365 nm UV, Filter Size 20 x 40 cm
34-0073-01		Tube, 25-watt, 254 nm UV
34-0072-01		Tube, 25-watt, 302 nm UV
34-0060-01		Tube, 25-watt, 365 nm UV

## UVP Visi-Blue Transilluminators

Visi-Blue Transilluminators are excellent for use with blue 460 - 470 nm excitation samples including SYBR Green, SYPRO Orange and GFP stains. A special amber camera filter (50 mm sq) is included for photography of gels.

- Visi-Blue transilluminators and converter plates minimize photonicking of DNA samples
- The amber protective cover blocks blue light transmission and allows visualization of most samples above 500 nm
- VB-26V is a compact 8-watt model
- VB-40V is a large format 25-watt model

VB-26V Visi-Blue Transilluminator patented design supplies 460 - 470 nm illumination.



Dimensions:  
 VB-26V: 14W x 11D x 4.8H in. (356 x 279 x 122 mm), 15 lbs.  
 VB-40V: 19.13W x 13.25D x 5.6H in. (486 x 337 x 143 mm), 21 lbs.

## UVP Visi-White Transilluminators

White Light Transilluminators offer uniform light diffusion for autoradiographs, film positives, negatives, X-ray film, microtiter plates and gels. Plexiglas® and glass filter plates are sealed into the unit for durability.

- The UVP Visi-White transilluminator is also available as dual use version: UV table and white light table.



Dimensions:  
 TW-26: 13.25W x 9.5D x 4.25H in. (337 x 241 x 108 mm), 8 lbs.  
 TW-43: 16W x 19.1D x 4.25H in. (406 x 486 x 108 mm), 19 lbs.

Work areas of 21 x 26 cm or 36 x 43 cm.

**For Gel Tools &  
 Converter Plates,  
 see pages 14-15**

### Order Number

### Description

115 V	230 V	UVP Visi-Blue Transilluminators, UVP Visi-White Transilluminators and Replacement Tubes
95-0461-01	95-0461-02	VB-26 8-watt Variable Intensity, Filter Size 21 x 26 cm
95-0433-01	95-0433-02	VB-40V 25-watt Variable Intensity, Filter Size 20 x 40 cm
95-0208-01	95-0208-02	TW-26 8-watt, Filter Size 21 x 26 cm
95-0214-01	95-0214-02	TW-43 14-watt, Filter Size 36 x 43 cm
	34-0031-01	Tube, 8-watt, 365 nm BLB UV (for VB-26)
	34-0060-01	Tube, 25-watt, 365 nm BLB UV (for VB-40V)
	34-0056-01	Tube, 8-watt (for TW-26)
	34-0059-01	Tube, 14-watt (for TW-43)



## UVP UV/White Transilluminators

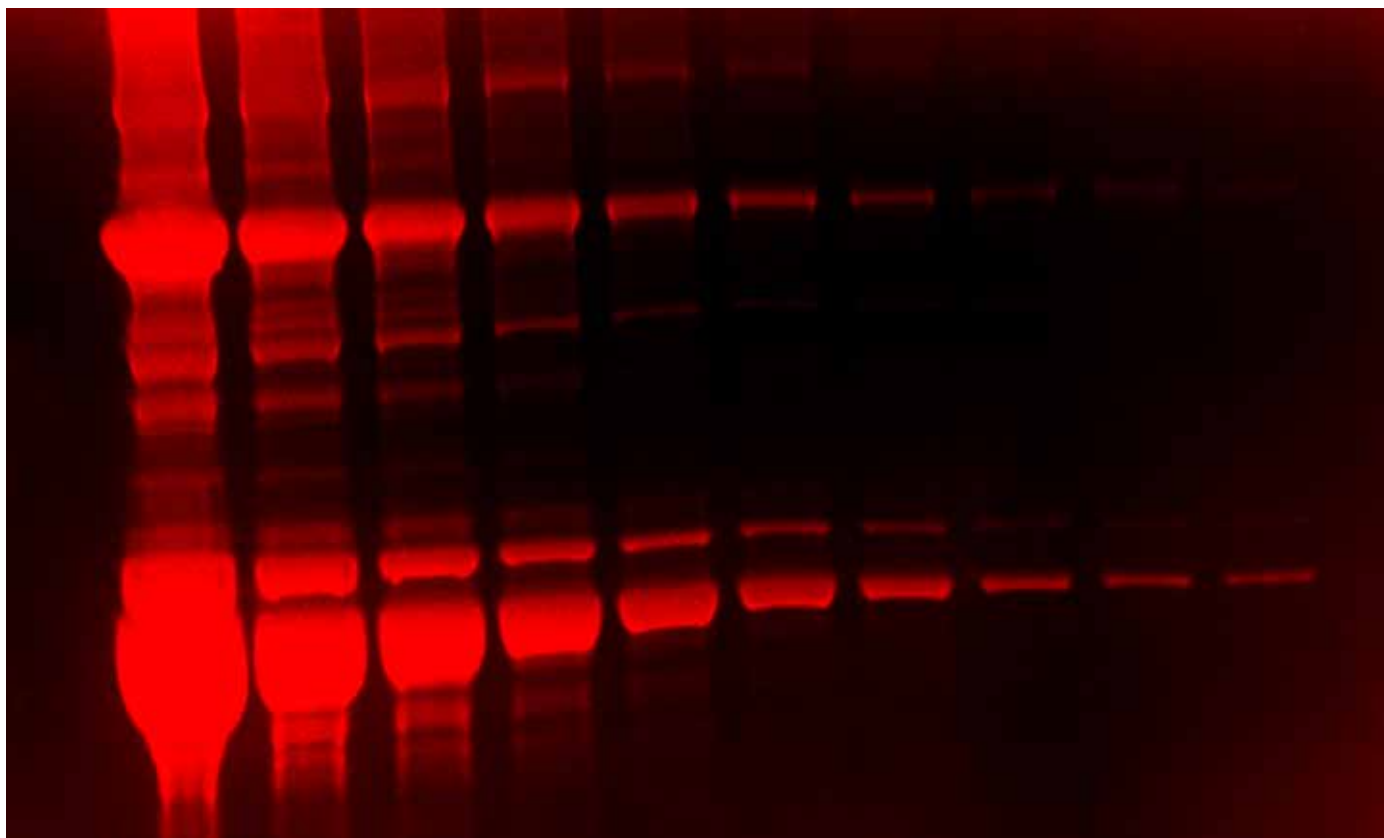


Dimensions:  
19.13W x 13.25D x 5.64H in. (486 x 337 x 143 mm), 21 lbs.

The UV/White Transilluminators have 20 x 20 cm white light and UV filter areas side by side for illumination and documentation of all visible colored samples like silver or Coomassie blue stained gels as well as for radiographs. UV/White Transilluminator easily switches between UV and white light sources.

- White light can be used for viewing Coomassie blue and silver stained protein gels, autoradiographs and microtiter plates
- The UV side can be used for viewing Ethidium Bromide and other stained gels

Order Number		Description
115 V	230 V	UVP UV/White Transilluminators and Replacement Tubes
95-0415-01	95-0415-02	TLW-20 8-watt, 365 nm UV/White, Filter Size 20 x 20 cm
95-0415-04	95-0415-05	TMW-20 8-watt, 302 nm UV/White, Filter Size 20 x 20 cm
95-0418-01	95-0418-02	LMW-20 8-watt, 365/302 nm UV/White, Filter Size 20 x 20 cm
34-0056-01		Tube, 8-watt, White
34-0006-01		Tube, 8-watt, 365 nm UV
34-0042-01		Tube, 8-watt, 302 nm UV



# Converter Light Plates and Gel Tools

Convert UV to white and UV to blue (460 - 470 nm) with choice of UVP converter plates. Gel tools are useful for researchers when working with gels of any size prior to transillumination.

## UV/White Converter Plates

Specially designed plate converts the transilluminator's UV radiation to white light for viewing protein gels, Coomassie blue stained or silver stained media.

- Uniquely phosphored glass assembly (patented) converts the UV radiation via a white diffuser
- Handles are placed on two sides of the plate for easy handling



Convert UV to White Light with the phosphor coated Visi-White converter plate.

## UV/Blue and UV/UV Plates

Position the plate on top of a UV transilluminator to convert the 302 nm UV. Visi-Blue Plate converts UV to 460 - 470nm blue light for use with various stains including SYBR Green, SYPRO Orange, and GFP.

UV/UV Converter Plate converts 302 nm to 365 nm UV which is ideal for preparation and gel excision work.

- The Visi-Blue Converter Plate includes an amber camera filter for use in photographing gels.



A scratch resistant glass surface is secured to the metal frame of the Visi-Blue converter plate.

### Order Number Description

Order Number	Description
	<b>Converter Plates</b>
38-0191-01	Visi-White, UV to White Light, 21 x 26 cm
38-0191-02	Visi-White, UV to White Light, 20 x 40 cm
38-0191-04	Visi-White, UV to White Light, 25 x 26 cm
38-0200-01	Visi-Blue, 460-470 nm UV, 21 x 26 cm
38-0200-02	Visi-Blue, 460-470 nm UV, 20 x 40 cm
38-0200-04	Visi-Blue, 460-470 nm UV, 25 x 26 cm
38-0242-01	Visi-Blue, 460-470 nm UV, 21 x 26 cm, with Amber Cover
38-0325-01	UV/UV, 302 to 365 nm UV, 25 x 26 cm



For more information on the products listed in this catalog, contact us here:

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