For Fluorescence and White Light Applications
Gel Imaging Systems

analytikjena
An Endress+Hauser Company

Systems from Analytik Jena – Compact for Convenient Image Acquisition

Wide selection of illumination sources and modular accessories for customized configurations

Analytik Jena offers a wide range of high performance imaging systems designed to researcher specifications and budgets. The choice of systems provides a suitable solution for every laboratory.

UVP UVsolo *touch*
Streamlined gel documentation at smallest system footprint

UVP GelTower
High-resolution color imaging of small to midi sized gels

UVP GelStudio PLUS/ UVP GelStudio PLUS *touch*
Smart imaging system with high versatility and user comfort

UVP Transilluminators
Powerful transilluminators for UV, white and blue light illumination of gels

UVP UVsolo *touch*

UVP GelTower

Gel Imaging Systems

For Fluorescence and White Light Applications

UVP Transilluminator

UVP GelStudio PLUS *touch*

Fast Imaging Results at Your Fingertips

Advanced imaging with stand-alone or computer-controlled systems

The entire range of Analytik Jena gel imaging systems is suited for the documentation of agarose and polyacrylamide gels with fluorescent and visible colored stains.

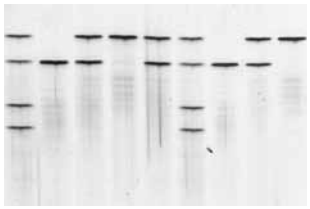
The most typcial stains for these applications are ethidium bromide, SYBR® Green, SYBR® Gold, SYBR® Safe, GelStar®, SYPRO® Orange, SYPRO® Ruby, Oriole™, SYPRO® Red, WesternDot™ 625 with Qdot®-nano crystals, and silver and Coomassie Blue. Bandpass filters and transilluminators are available for all of these stains and more. In addition, visible stains on membranes and radiographs can be documented. Laboratories with limited bench space will benefit from the small footprint requirements of the **UVP GelTower** and **UVP UVsolo *touch***. The extraordinarily compact systems are designed for quick documentation and printing of gel images. Users who prefer an advanced imaging system without a separate computer will enjoy the stand-alone **UVP GelStudio PLUS *touch***. Like the computer-controlled **UVP GelStudio PLUS** it offers great versatility and include a powerful software for analyzing gel and blot images. A large touch screen allows for a simple and convenient image acquisition.

Camera & Lens Kit

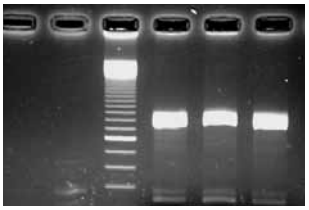
System	Type of camera
UVP GelTower	Digital single lens reflex camera for color and monochrome images
UVP UVsolo *touch*, UVP GelStudio PLUS, UVP GelStudio PLUS *touch*	Light-sensitive monochrome camera with bright lens

Selection chart – which is the most appropriate system?

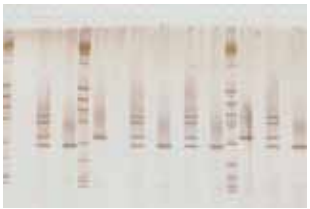
Requirement	Recommended system
Primarily saving and printing of images	UVP UVsolo *touch*
Limited bench space	UVP GelTower, UVP UVsolo *touch*
Color images	UVP GelTower
Light-sensitive image capture	UVP UVsolo *touch*, UVP GelStudio PLUS, UVP GelStudio PLUS *touch*
Documentation of small gels with maximum zoom	UVP UVsolo *touch*, UVP GelStudio PLUS, UVP GelStudio PLUS *touch*
Quantification of samples	UVP GelStudio PLUS, UVP GelStudio PLUS *touch*



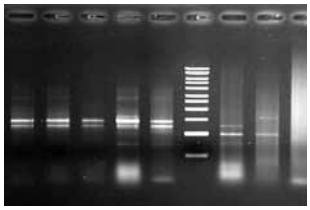
Silver stained polyacrylamide gel (white light, monochrome photo)



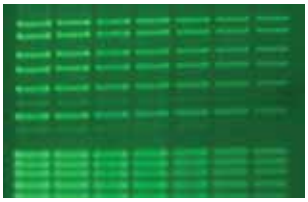
Ethidium bromide stained agarose gel (UV light, monochrome photo)



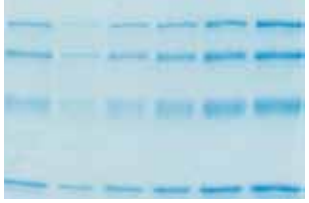
Silver stained polyacrylamide gel (white light, color photo)



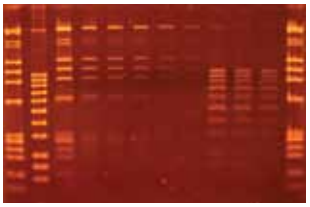
Ethidium bromide stained agarose gel (UV light, monochrome photo)



SYBR® Green stained agarose gel (UV light, color photo)



Coomassie Blue stained polyacrylamide gel (white light, color photo)



Ethidium bromide stained agarose gel (UV light, color photo)

Choose the Perfect Solution for Your Lab!

Analytik Jena offers a wide range of high-performance systems for documentation and analysis of electrophoresis gels and blots. The systems are focused on the needs of everyday imaging applications in teaching and routine laboratories.

Fluorescence and white light applications

Documentation and analysis of	Applicable for
▪ Electrophoresis gels (agarose, polyacrylamide) ▪ Blots ▪ Radiographs	▪ UV-fluorescent dyes, e.g. ethidium bromide, SYBR® Green ▪ Colorimetric detection, e.g. silver stain, Coomassie Blue

At a glance

Feature	UVP UVsolo touch	UVP GelTower	UVP GelStudio PLUS/ UVP GelStudio PLUS touch
Type	Stand-alone with 10" touchscreen	Computer-controlled	computer-controlled / Stand-alone with 15.6" touchscreen
Camera	Light-sensitive monochrome camera + manual zoom lens	DSLR color camera with high performance fixed lens	Light-sensitive monochrome camera + motorized zoom lens
Filter positions	Filter slider	5-position filter wheel	
UV transilluminator	20 cm x 20 cm or 25 cm x 26 cm	11.5 cm x 16 cm	25 cm x 26 cm
Special feature	▪ Gel viewing window and side doors for cutting gels ▪ Smallest footprint	▪ Outstanding high image resolution ▪ Smart solution for mini and midi gels	▪ Up-to-date sliding door ▪ Integrated UV protection shield ▪ Epi-UV and multispectral light source option

UVP UVsolo *touch*

Stand-alone gel documentation system

UVP UVsolo *touch* is a compact, easy-to-use, stand-alone system for gel documentation. It is designed to acquire gel images easily and without any need for training. Thus it is ideal for multi-user laboratories and practical trainings.

The system

The UVP UVsolo *touch* system includes a light-sensitive monochrome camera with a high resolution of 5 megapixels. A highly sensitive zoom lens allows for high-contrast image acquisition. The system is controlled by a touch screen with intuitive image acquisition software.

With Live view, all exposure time, zoom and aperture setting changes are displayed in real-time on the 10 inch screen. Saturation monitoring allows for easy capture of fully quantifiable images. Gel images are saved in universal file formats TIF and JPG on a USB storage device, the internal computer memory or via wireless network on a network computer. For prints, a printer with USB interface can be connected to the UVP UVsolo *touch*.

- Simple touch screen operation and maximum UV protection for users
- Easily change out bandpass emission filters for use of different fluorescent staining dyes using the easy-access filter drawer
- Small system footprint requires minimum bench space

The transilluminator

Two different sizes are available: 20 cm x 20 cm UV filter size for small and medium sized gels or 25 cm x 26 cm filter size for larger gels. UV intensity is selectable in 3 levels: Image acquisition should always be done with maximum UV intensity (“High”). For excision of gels it is recommended to reduce the UV intensity to avoid damage to the samples. This can be accomplished with switch settings “Medium” and “Low”.

UV protection

Opening the front door automatically switches off the UV light. A UV-safe gel viewing window in the front door allows a direct and safe view to the fluorescent gel under UV illumination. For cutting gels under UV illumination, two side-access doors are included. To cut from a fluorescing gel with the main door open, a UV override switch allows to turn on UV light with an open door. Closing the door automatically re-activates the UV protection switch. This ensures safe operation for subsequent users.

Documentation of colored gels

The image acquisition of non-fluorescent gels (e.g. silver or Coomassie Blue stained polyacrylamide gels) can be accomplished with the optional converter plates. Such plates are directly placed on top of the UV transilluminator. The plate converts the UV light to visible light, similar to the light of a white light table.

Analysis of gel images

The main application of the UVP UVsolo *touch* is saving and printing gel images. The optional gel analysis software also allows for gel analysis. After installing the optional VisionWorks® analysis software on a separate personal computer, users of the UVP UVsolo *touch* can import gel images and conduct calculation of fragment sizes or quantify sample material in a few simple steps.

Converter plates

For blue-light illumination of fluorescent dyes, one of the UV-to-blue light converter plates can be applied. Furthermore, a UV-to-UV converter plate is available which converts 302 nm UV to 365 nm UV. This is excellent for preparation and gel excision work.

Order Information

Order number		Description
230V	**115V**	**Item**
849-00502-2	849-00502-4	**UVP UVsolo *touch***: Monochrome, digital 1/2.5´´ New Generation CMOS camera, resolution 2592 (H) x 1944 (V), manual zoom lens (8 - 48 mm, F1.2), 12 bit data depth, 16 bit file depth, emission filter for e.g. EtBr, darkhood with 10´´ touch screen with tilt capability filter drawer, USB port for flash drive, wireless network connectivity, safety interlocking door, UV override switch, gel viewing window, side access doors for gel cutting, UV transilluminator (302 nm, 20 cm x 20 cm filter size, UV intensity switch), overhead LED white light, USB 2.0 ports for connecting e.g. a printer. Dimensions with camera: 78.0 x 36.1 x 33.8 (H x W x D, cm)
849-00503-2	849-00503-4	**UVP UVsolo 2 *touch***: see UVP UVsolo *touch*, but transilluminator with filter size 25 cm x 26 cm
		Accessories
849-00401-0		Emission filter, 50 mm square, with transmissin range 510 - 560 nm, for e.g. SYBR® Green stains
849-00402-0		Emission filter, 50 mm square, with transmission range 520 - 620 nm for e.g. SYBR® Gold stains
849-20100-0		UVP Digital thermal printer Mitsubishi P95DE, high resolution (325 dpi), USB 2.0 port, 100 - 240 V, dimensions: 8.5 x 15.4 x 23.9 (H x B x T, cm)
849-20111-0		Thermal paper KP65HM, matte, high-contrast, 4 rolls at 20 m
849-20110-0		Thermal paper K95HG, high-glossy, high-contrast, 5 rolls at 18 m
849-20510-0		UVP Visi-White™ Converter plate, UV-to-white, 21 cm x 26 cm filter size
849-20511-0		UVP Visi-White™ Converter plate, UV-to-white, 25 cm x 26 cm filter size
849-20520-0		UVP Visi-Blue™ Converter plate, UV-to-blue , 21 cm x 26 cm filter size, 460 nm - 470 nm
849-20521-0		UVP Visi-Blue™ Converter plate, UV-to-blue , 25 cm x 26 cm filter size, 460 nm - 470 nm
849-20523-0		UVP UV/UV Converter plate, UV302-to-UV365, 25 cm x 26 cm filter size
849-20605-0		UVP Gel-Tray: UV transparent acrylic tray for preparative tasks on a transilluminator, 29 cm x 23 cm
846-057-013		UVP Gel Scooper: UV transparent gel scoop, scoop size 14 cm x 15 cm
846-057-002		UV bulb 8 W, 302 nm, for UV table
849-20602-0		UV light face protection shield
		Software
849-00202-0		VisionWorks®: analysis software for gel images in TIF, JPG, BMP, GIF or PNG format.

UVP GelTower

Simplify and maximize precast and mini gel imaging

The computer-controlled UVP GelTower comes equipped with a digital single lens reflex camera and provides high-resolution images in color and gray scales. Simply place the gels on the transillumination plate, then capture brilliant color images. The streamlined software interface guides users through the image capture process with automated pre-set capture buttons. Alternatively, individual settings can be defined for quick, personalized image capture. Analysis of gels is accomplished with the user-friendly VisionWorks® software.

The UVP GelTower utilizes a built-in midrange 302 nm UV transilluminator. The imaging capabilities can be maximized by adding interchangeable sample plates to view a wide range of fluorophore and colorimetric stains. The modular design enables easy placement of sample plates to illuminate precast or mini gels with sizes up to 11.5 x 16 cm.

Selection of optional sample plates that convert 302 nm UV:

- Visi-Blue™ Light Plate: Converts UV to 460/470 nm for viewing stains such as SYBR® Green, GelRed™ and GelGreen™
- White Light Plate: Converts UV to white light for viewing Coomassie Blue and silver stained gels
- Longwave UV Plate: Converts 302 nm UV to 365nm UV, which reduces photonicking of samples

A Black Sample Plate is included with the UVP GelTower for placement of samples not requiring transillumination lighting. A Sample Plate Holder is available for storage of the plates.

Easily accessible controls

The control panel enables easy selection of emission filters and lighting. The emission filter selector controls the five-position filter tray, located on the side of the darkroom, which includes an ethidium bromide filter. Add additional filters as required for other types of stains. The lighting selector controls choice of epi white light or transillumination lighting. A safety switch automatically shuts the transillumination lighting off when the transilluminator is opened or after ten minutes.

Simple software interface

The software interface features pre-set, one-touch preview and capture buttons to simplify image acquisition. The capture buttons control the camera and lighting settings. Or, define and save specific settings as templates which can easily be accessed for repeat experiments. Images are publication-ready, highly quantifiable, clear and ready for analysis. Easily perform image enhancements and 1D analysis with the VisionWorks® software. Calibrate using Molecular Weight (MW) standards from the software library or add your own standards. Create, document and print detailed and customizable reports of analysis data.

- Brilliant color or grayscale publication-quality images with 17.9 MP resolution
- Illuminate nucleic acid and protein gels with inter-changeable transillumination sources: white, blue, midrange and longwave UV
- Analyze results using simple workflow-focused software
- Reduces lab space requirements with its compact design – footprint is smaller than 330 mm x 330 mm

Order Information

Order number		Description
230V	**115V**	**Item**
849-00510-2	849-00510-4	**UVP GelTower Imager:** DSLR camera with 17.9 MP resolution, 302 nm UV transilluminator with 11.5 cm x 16 cm filter size, epi-white light, 5-position filter-wheel, emission filter for e.g. EtBr, black sample plate, VisionWorks® acquisition and analysis software. Dimensions 39.4 x 32.5 x 33.0 (H x W x D, cm)
		Accessories
849-00520-0		Visi-Blue™ Sample Plate, converts 302 nm UV to 460 - 470 nm for viewing stains such as SYBR® Green, SYBR® Safe and GelGreen™
849-00521-0		White Light Sample Plate, converts 302 nm UV to white light for viewing Coomassie Blue and silver stained gels
849-00522-0		Longwave UV Sample Plate, converts 302 nm UV to 365 nm UV, which reduces photonicking of samples
849-00523-0		Sample Plate Holder
849-00401-0		Emission filter, 50 mm square, with transmission range 510 - 560 nm, for e.g. SYBR® Green
849-00402-0		Emission filter, 50 mm square, with transmission range 520 - 620 nm, for e.g. SYBR® Gold
849-20100-0		Thermal printer Mitsubishi P95DE, high resolution (325 dpi), USB2.0 interface, 100 - 240 V, Dimensions 8.5 x 15.4 x 23.9 (H x W x D, cm)
849-20111-0		Thermal printer paper KP65HM, high contrast, 4 rolls at 20 m
849-20110-0		Thermal printer paper K95HG, high glossy, 4 rolls at 18 m
844-00011-3		Personal computer for UVP GelTower, fully installed, with 19´´ TFT monitor

UVP GelStudio PLUS/ UVP GelStudio PLUS *touch*

Gel documentation at its best.
The advanced UVP GelStudio PLUS is available as a computer-controlled or stand-alone system with 15.6" multi-touch color screen.

The system

This ergonomically designed imaging system offers appealing features in compact form. An outstanding characteristic is the "slide2Hide" door for full access to the samples. The front door is easily folded down and slid smoothly under the transilluminator. UV light is automatically switched off when the door is opened. A Thin-Line UV transilluminator with a large illumination area of 25 cm x 26 cm is placed on a pull-out drawer. Users may slide out the UV table for easy positioning of the gel. An UV protection shield is built into the darkroom and can be pulled down when the UV light is turned on with the front door open. No separate UV protection is needed, everything is "on board". This makes preparative work on gels a pleasure: free access to the gel and full protection against UV exposure.

The software

The imaging software is specifically developed for intuitive use. It works perfectly on the touch screen of UVP GelStudio PLUS *touch*, as well on the computer-controlled model, UVP GelStudio PLUS.The software interface is icon driven and has a clear structure. All the important imaging settings are accessed by fingertip. The camera, lighting and highly sensitive zoom lens are software controlled. Templates with individual settings can be stored for later recall so that the user can perform ultra-fast image capture. Extremely versatile and powerful VisionWorks® gel analysis software is included with unlimited licences.

Optional components and accessories

Illumination sources and emission filters for all typical gel stains and colored blots are available. There are emission filters for red, green or yellow fluorescent gel stains. The five-position filter wheel can easily be equipped with additional filters. Standard UV transillumination can be converted to either blue or white excitation using the optional converter plates. Optional epi UV illumination is also available. The UVP GelStudio PLUS can also be upgraded with the optional eLITE system for excitation across the visible and NIR spectrum.

- 5 MP monochrome camera with motorized high-quality zoom lens
- Streamlined software interface for intuitive image acquisition
- Open access to samples by smart front door
- Safe and comfortable: with integrated UV protection shield
- Proper solution for every environment: Stand-alone or computer-controlled model


analytikjena
UV On
UVP GelStudio PLUS

Order Information

Order number			Description
230 V	**115 V**	**100 V**	**Item**
849-00552-2	849-00552-4		**UVP GelStudio PLUS**: System for computer-control. Digital monochrome camera, resolution 2592 x 1944 pixels (5.0 MP), motorized zoom lens (8 - 48 mm, F1.2), 12 bit data depth, 16 bit file depth, emission filter (580 - 630 nm) for e.g. EtBr, five-position filter wheel, access port for optional eLITE source, epi-white light, pull-out tray for transilluminator, Thin-Line transilluminator with 25 cm x 26 cm filter size and 302 nm UV and 50 %/ 100 % intensity switch, integrated slide-down UV protection shield, VisionWorks® software for image capture and gel analysis (unlimited license)
849-00553-2	849-00553-4		**UVP GelStudio PLUS *touch***: Stand-alone system. For details see above, plus: Integrated tablet with 15.6" multi-touch color screen, stylus for touch screen. Keyboard, mouse for optional use.
			Emission filters
849-00401-0			Emission filter, 50 mm square, with transmission range 510 - 560 nm, for e.g. SYBR® Green
849-00402-0			Emission filter, 50 mm square, with transmission range 520 - 620 nm, for e.g. SYBR® Gold
			Converter plates
849-20511-0			UVP Visi-White™ Converter plate UV-to-white, 25 cm x 26 cm filter size
849-20521-0			UVP Visi-Blue™ Converter plate UV-to-blue, 25 cm x 26 cm filter size, 460 nm - 470 nm
849-20523-0			UVP UV/UV Converter plate UV302-to-UV365, 25 cm x 26 cm filter size
849-20500-0			UVP Visi-White™ LED plate, 25 cm x 26 cm
230 V	**115 V**	**100 V**	**Epi UV modules**
849-20700-0	849-20700-4	849-20700-5	UV module UVGL-25 (254/365 nm). Two are recommended.
849-20701-0	849-20701-4	849-20701-5	UV module UVL-21 (365 nm). Two are recommended.
849-20702-0	849-20702-4	849-20702-5	UV module UVG-11 (254 nm). Two are recommended.
230 V			**Further accessories**
849-20100-0			UVP Thermal printer Mitsubishi P95DE, high resolution (325 dpi), USB2.0 interface, 100 - 240 V, dimensions 8.5 x 15.4 x 23.9 (H x W x D, cm)
849-20111-0			Thermal printer paper KP65HM, high contrast, 4 rolls at 20 m
849-20110-0			Thermal printer paper K95HG, high glossy, 4 rolls at 18 m


UV On
302 nm UV
100 %
50 %
UVP GelStudio PLUS

Gel Analysis

VisionWorks® Analysis Software – Gel analysis in a few steps

- 1D quantitation, area density and colony counting analysis
- User defined master templates for selecting and saving settings for repeat experiments
- Report generation and export of data to Excel
- Support for 21 CFR Part 11 compliance
- Included in UVP GelTower and UVP GelStudio PLUS systems
- Optional component for UVP UVsolo

VisionWorks® software is a powerful package of imaging and analysis software supporting different camera models. The software provides sample analysis of electrophoresis gels and blots with superior results in a minimum amount of time. The software can be used for fluorescent, colorimetric and chemiluminescent applications and accepts typical file formats such as JPG, TIF, and BMP. In addition, files generated with other acquisition sources can be imported. The user-friendly interface provides for efficient analysis and generates precise band size calculations.

The analysis software has a straightforward design and can easily be used without extensive training. The software offers many non-destructive process filters, enhancement features and annotation tools that can be applied to images for visualization and publication. Annotations tools include text, lines and highlights. Filter tools include align, rotate, emboss, sharpen, resize and background correction. Researchers can personalize workspace preferences and save profiles by user name. Also, user accounts can easily be set up with passwords to save and protect user data.

Master templates are great time savers and allow users to set and save camera settings for quick, easy capture of samples. Reports are created showing extensive analysis results including Molecular Weight (MW), Rf, band intensities and area density calculations. Data can be exported to Excel. The image history is tracked with change logs and supports 21 CFR Part 11 compliance.

- Automatic lane and band recognition
- Add, delete and separate lanes and bands
- Optimisation of detection parameters
- Different choices for background adjustment
- Automatic calculation for size/MW, mass, RF
- Result sheet
- Compensation of gel curvature and distortions
- Zoom, invert and pseudocolor functions
- Add annotations and arrows
- Generate lane profile graphs
- Perform dendrogram analysis
- Colony counting
- Support for 21 CFR Part 11 compliance
- One-touch automated macros
- Define user profiles and preferences
- Generate extensive reports and export data
- Multiple user network licenses available

UVP Transilluminators

A wide choice of high-quality transilluminators is available for the illumination of electrophoresis gels for documentation purpose or for preparative tasks.

High-Quality Transilluminators for UV Fluorescent Stains

UV transilluminators for UV fluorescent stains

Analytik Jena UV transilluminators feature a uniform, bright illumination. The exclusive application of high-grade filter glass provides excellent documentation results with low background signal. The superior illumination uniformity allows for a reliable quantification of electrophoretically separated fluorescent samples.

The UVP Transilluminators are equipped with an ultraviolet blocking cover to shield the user from UV radiation. The base is painted with high-quality, scratch-resistant powder coat. Models include a stainless steel top assembly or powder coat paint.

- Filter sizes from 15 cm x 15 cm up to 25 cm x 26 cm or 20 cm x 40 cm
- High-grade filter glass for low background
- Compact size with small footprint saves bench space
- Freely adjustable UV protection shield for user UV protection during gel handling

Benchtop UV transilluminator

The compact models of the UVP Transilluminators include economical single intensity and variable intensity transilluminators which are equipped with 8-watt, 302 nm UV tubes.

The variable intensity models feature:

- High setting allows UV excitation of fluorophores on gels for routine photography – also excites gels with low sample concentration.
- The medium intensity 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.

For users who prefer the choice between 302 nm UV and 365 nm UV, the UVP 2UV Transilluminators models are ideal. These models come with a single intensity setting and 8-watt UV bulbs of 302 nm and 365 nm. Available filter sizes are 20cm x 20 cm or 21 cm x 26 cm.

Transilluminators with extraordinary uniform illumination

The UVP FirstLight® transilluminators represent a unique highly uniform 302 nm UV excitation source for quantitative fluorescent imaging in a wide range of applications.

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

The illuminator emits 302 nm UV excitation and, combined with a patented phosphor coating, 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.

UVP FirstLight® Transilluminator FI-26X

High-performance UV transilluminators

All high-performance UV transilluminators, UVP Transilluminator PL, include exclusive 25-watt ultraviolet tubes and provide a total of 100-watts of brilliant UV illumination.

- 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 a long-life filter and uniformity screen
- The UV blocking cover, included with each transilluminator, is adjustable for access to the filter surface

UVP Transilluminator PL TFL-40V

Blue Light Transillumination for Fluorescent Stains

Blue light transillumination

These are an interesting alternative to UV transilluminators as there is no risk of sample damage during illumination. This is important when samples will be processed further after gel documentation. Users also benefit as there is no risk of UV exposure. Blue light excitation is applicable for fluorescent dyes for nucleic acid or protein stains with excitation wavelengths near 470 nm. Examples for compatible stains are: SYBR® Green, GelGreen™, SYBR® Safe, SYBR® Gold or SYPRO® Ruby and GFP stains.

The UVP Visi-Blue™ Transilluminator is available as compact 8-watt model and is similar in size to the UVP Transilluminator benchtop models. The amber protective cover blocks blue light transmission and allows visualization of most samples above 500 nm.

- Blue light illumination for e.g. green fluorescent stains
- Safe solution: No damage to DNA, no risk of UV exposure for users

UVP Visi-Blue™ Transilluminator VB-26

UV-to-blue converter plates

Instead of a blue light transilluminator, a UVP Visi-Blue™ converter plate can be applied on top of a UV transilluminator to convert UV light to blue light. Three different sizes of the UVP Visi-Blue™ converter plate are available. When used with a gel documentation system, an amber emission filter (included as standard) must be used.

UVP Visi-Blue™ Plate

Documentation of Visible Colored Sample

White light table UVP Visi-White™ Transilluminator

For documentation of visible colored samples without the need for any UV light the white light, transilluminator UVP Visi-White™ Transilluminator is the table of choice. It comes with a 21 cm x 26 cm filter size. The exceeding uniform illumination provides for bright sample images.

UVP Visi-White™ Transilluminator TW-26

White/UV transilluminator

The UVP UV/White Transilluminator is also available in a dual format version: UV table and white light table. The UVP UV/White Transilluminator features a 20 cm x 20 cm filter size for UV fluorescent samples and an additional 20 cm x 20 cm filter size for white light transillumination. The white light table can be used for the documentation of all visible colored samples like silver or Coomassie Blue stained gels, as well as for radiographs. The UVP UV/White Transilluminator can not be integrated into a UVP GelStudio PLUS darkhood due to its geometry.

UVP UV/White Transilluminator TMW-20

UV-to-white light converter plates

Alternatively to the use of a white light table, a white light converter plate can be applied to the top of a UV transilluminator. The converter plate converts the UV light to visible light and thus economically extents the application scope of all UV table models to the visualisation of colored dyes.

UVP Visi-White™ Converter Plate

Order Information

Order number		Description
230 V	**100 –115 V**	**UV transilluminators without intensity setting, 302 nm UV**
849-20015-0	849-20015-4	UVP Transilluminator M-15, filter size 15 cm x 15 cm, 8 W 302 nm UV, UV protection shield
849-20016-0	849-20016-4	UVP Transilluminator M-20, filter size 20 cm x 20 cm, 8 W 302 nm UV, UV protection shield
849-20017-0	849-20017-4	UVP Transilluminator M-26, filter size 21 cm x 26 cm, 8 W 302 nm UV, UV protection shield
230 V	**100 –115 V**	**UV transilluminators with variable intensity setting, 302 nm UV**
849-20018-0	849-20018-4	UVP Transilluminator M-15V, filter size 15 cm x 15 cm, 8 W 302 nm UV, high/medium/low intensity setting, UV protection shield
849-20019-0	849-20019-4	UVP Transilluminator M-20V, filter size 20 cm x 20 cm, 8 W 302 nm UV, high/medium/low intensity setting, UV protection shield
849-20020-0	849-20020-4	UVP Transilluminator M-26V, filter size 21 cm x 26 cm, 8 W 302 nm UV, high/medium/low intensity setting, UV protection shield
849-20021-0	849-20021-4	UVP Transilluminator M-26XV, filter size 25 cm x 26 cm, 8 W 302 nm UV, high/medium/low intensity setting, UV protection shield
230 V	**100 –115 V**	**UV transilluminators without intensity setting, 2 UV wavelengths: 302 nm, 365 nm**
849-20011-0	849-20011-4	UVP 2UV Transilluminator LM-20, filter size 20 cm x 20 cm, 8 W 302/365 nm UV, UV protection shield
849-20012-0	849-20012-4	UVP 2UV Transilluminator LM-260, filter size 21 cm x 26 cm, 8 W 302/365 nm UV, UV protection shield
230V	**100 –115 V**	**UV transilluminators without intensity setting, 3 UV wavelengths: 254 nm, 302 nm, 365 nm**
849-20013-0	849-20013-4	UVP 3UV Transilluminator LMS-20, filter size 20 cm x 20 cm, 8 W 254/302/365 nm UV, UV protection shield
849-20014-0	849-20014-4	UVP 3UV Transilluminator LMS-26, filter size 21 cm x 26 cm, 8 W 254/302/365 nm UV, UV protection shield
230V	**100 –115 V**	**Uniform illuminated FirstLight® Transilluminator UV transilluminators, without intensity setting, 302 nm UV**
849-20001-0	849-20001-4	UVP FirstLight® Transilluminator FI-20, filter size 20 cm x 20 cm, 302 nm UV grid, UV protection shield
849-20003-0	849-20003-4	UVP FirstLight® Transilluminator FI-26X, filter size 25 cm x 26 cm, 302 nm UV grid, UV protection shield
230 V	**100 –115 V**	**High-Performance UV transilluminators with variable intensity setting, 302 nm or 365 nm UV**
849-20035-0	849-20035-4	UVP Transilluminator PL TFM-20V, filter size 20 cm x 20 cm, 25 W 302 nm UV, high/medium/low intensity setting, UV protection shield
849-20037-0	849-20037-4	UVP Transilluminator PL TFM-30V, filter size 25 cm x 30 cm, 25 W 302 nm UV, high/medium/low intensity setting, UV protection shield
849-20034-0	849-20034-4	UVP Transilluminator PL TFL-40V, filter size 20 cm x 40 cm, 25 W 365 nm UV, high/medium/low intensity setting, UV protection shield
230 V	**100-115 V**	**Blue light transilluminator, 460 - 470 nm with variable intensity setting**
849-20070-0	849-20070-4	UVP Visi-Blue™ Transilluminator VB-26, filter size 21 cm x 26 cm, 8 W 460 - 470 nm, high/medium/low intensity setting, amber protection shield*
230 V	**100-115 V**	**UV (302 nm)/white light transilluminator, without intensity setting**
849-20052-0	849-20052-4	UVP UV/White Transilluminator TMW-20, filter size 20 cm x 20 cm for UV and 20 cm x 20 cm for white light, 8 W 302 nm UV, 8 W white light, UV protection shield
230 V	**100 V**	**White light transilluminator, without intensity setting**
849-20060-0	849-20060-5	UVP Visi-White™ Transilluminator TW-26, filter size 21 cm x 26 cm, 8 W white light
	115 V	**White light transilluminator, without intensity setting**
	849-20060-4	UVP Visi-White™ Transilluminator TW-26, filter size 21 cm x 26 cm, 8 W white light

Order number	Description
	Converter plates
849-20510-0	UVP Visi-White™ Plate, 21 cm x 26 cm filter size
849-20511-0	UVP Visi-White™ Plate, 25 cm x 26 cm filter size
849-20512-0	UVP Visi-White™ Plate, 20 cm x 40 cm filter size
849-20520-0	UVP Visi-Blue™ Plate, 21 cm x 26 cm filter size, 460 nm - 470 nm*
849-20521-0	UVP Visi-Blue™ Plate, 25 cm x 26 cm filter size, 460 nm - 470 nm*
849-20522-0	UVP Visi-Blue™ Plate, 20 cm x 40 cm filter size, 460 nm - 470 nm*
849-20523-0	UVP UV/UV Plate, UV302-to-UV365, 25 cm x 26 cm filter size

* Includes amber 50 mm square camera filter, compatible with UVP UVsolo and UVP GelStudio PLUS systems

Order number	Description
	Converter plates
849-20602-0	UV light face protection shield
846-055-002	UV light protecting glasses
849-20605-0	UVP Gel-Tray: UV transparent acrylic tray for preparative tasks on a transilluminator, 29 cm x 23 cm
846-057-013	UVP Gel Scooper: UV transparent gel scoop, scoop area 14 cm x 15 cm
	Spare parts
849-30222-0	UV bulb 8 W, 254 nm
849-30221-0	UV bulb 8 W, 302 nm
849-30220-0	UV bulb 8 W, 365 nm
846-057-016	UV bulb 25 W, 302 nm
846-057-017	UV bulb 25 W, 365 nm
846-057-018	UV bulb 25 W, 254 nm
846-9-720-007	White light bulb, 8 W

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Subjects to changes in design and scope of delivery as well as further technical development!

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