Gel Imaging Systems

For Fluorescent and Colorimetric Gel Imaging

Analytik Jena Gel Documentation Systems

analytikjena
An Endress+Hauser Company

Analytik Jena Gel Imaging Systems - Versatile, Flexible, Convenient

Three different platforms and various upgrade options to fulfill every user's need

Analytik Jena offers a wide range of high performance imaging systems designed to meet all researchers' requirements from simple agarose gel imaging to sophisticated and customized fluorescent imaging of gels and blots.

UVP UVsolo *touch*
Basic gel documentation – small footprint and maximum ease of use

UVP GelTower
Absolute convenience – high resolution color imaging of mini and midi gels at one mouse click

UVP GelStudio/GelStudio PLUS
Greatest versatility – from basic gel imaging to smart fluorescent applications

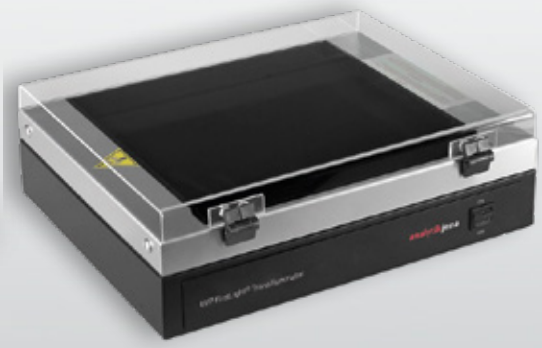
UVP Transilluminators
Powerful stand-alone transilluminators for UV, white and blue illumination of gels

UVP UVsolo *touch*

UVP GelTower

Gel Imaging Systems

For Fluorescent and White Light Applications



UVP Transilluminator

UVP GelStudio PLUS *touch*

The Analytik Jena Family of Gel Imaging Systems

Advanced imaging with stand-alone or computer-controlled systems

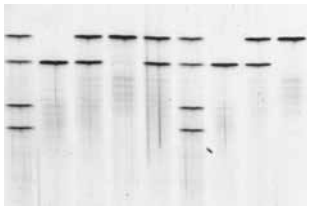
Analytik Jena gel imaging systems are suited for the documentation of agarose and polyacrylamide gels using fluorescent or conventional colorimetric stains.

Examples of common fluorescent nucleic acid and protein stains are Ethidium Bromide, SYBR® Green/Safe/Gold, MidoriGreen, GelGreen®, GelStar®, GelRed®, RedSafe™, SYPRO® Orange/Ruby/Red, Oriole™, as well as a variety of stains of the Alexa™-, Cy- and DyLight® range. The most prominent classical non-fluorescent protein stains are Coomassie Brilliant Blue, Silver Stain and the NBT/BCIP combination for specific protein detection on membranes or in assay plates. A broad selection of specific excitation sources and emission filters is available for imaging those and other dyes.

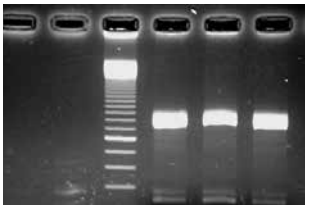
Laboratories with limited bench space will benefit from the small footprint of **UVP GelTower** and **UVP UVsolo *touch***. These extraordinarily compact systems are designed for quick acquisition, saving and printing of gel images.
The **UVP GelStudio** systems satisfy advanced imaging demands offering unlimited flexibility in the choice of fluorophore and sample type. They come in two different sizes, either with integrated touch tablet computer or for external computer control.

Selection chart

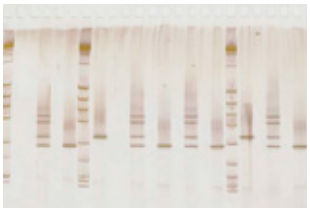
Requirement	Recommended system
Quick acquisition, saving and printing of gel images	UVP GelTower, UVP UVsolo *touch*
Limited bench space	UVP GelTower, UVP UVsolo *touch*
Real color images	UVP GelTower
Light-sensitive image capture	UVP UVsolo *touch*, UVP GelStudio series
Documentation of small gels at maximum optical zoom	UVP UVsolo *touch*, UVP GelStudio series
Advanced fluorescent setups	UVP GelStudio series
Quantification of samples	UVP UVsolo *touch*, UVP GelStudio series



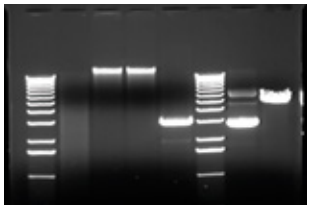
Silver stained polyacrylamide gel (white transillumination, monochrome photo)



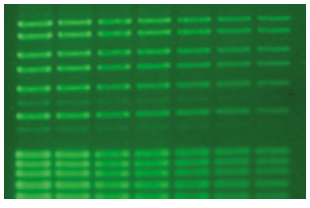
Ethidium bromide stained agarose gel (UV light, monochrome photo)



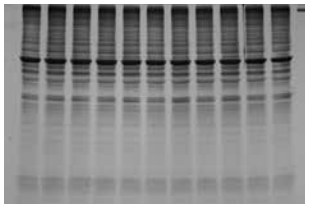
Silver stained polyacrylamide gel (white transillumination, color photo)



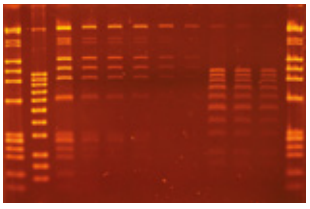
Ethidium bromide stained agarose gel (UV light, transillumination monochrome photo)



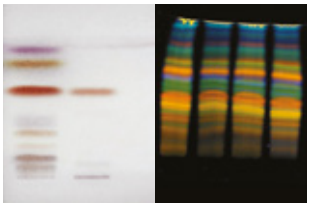
SYBR® Green stained agarose gel (UV transillumination, color photo)



Coomassie Blue stained polyacrylamide gel (white transillumination, monochrome photo)



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



TLC plate imaging (white epi-illumination (left), fluorescent image (right))

Choose the Perfect Solution for Your Lab!

Analytik Jena Gel Imaging Systems at a glance

Feature	UVP UVsolo *touch*	UVP GelTower	UVP GelStudio series
Type	Stand-alone with 11.6" touchscreen	Computer-controlled	Computer-controlled/ stand-alone with 13.3"/15.6" touchscreen (GelStudio *touch*/ GelStudio PLUS *touch*)
Camera	Light-sensitive, monochrome camera, 5 MP resolution, 8-48 mm f/1.2 manual zoom lens	DSLR color camera with 17.9 MP resolution, high performance fixed lens	Light-sensitive, monochrome camera, 5 MP resolution, 8-48 mm f/1.2 zoom lens, software-controlled
Emission filters	Single position filter slider, manual filter exchange	5-position filter wheel, software-controlled	
UV transilluminator	Filter sizes 20 x 20 cm up to 25 x 26 cm, multiwavelength options (302/365 nm or 254/302/365 nm), triple intensity switch	302 nm, 11.5 cm x 16 cm filter size, optional sample plates available (365 nm UV, 460 - 470 nm blue light, white light)	Exclusive Thin-Line Transillumination Technology, 302 nm, filter sizes: 16.8 x 21 cm (GelStudio/GelStudio *touch*) 25 x 26 cm (GelStudio PLUS/GelStudio PLUS *touch*), dual intensity switch
Special feature	▪ Gel viewing window for visual control and side doors for manual access when cutting bands ▪ Wide choice of UV transilluminators ▪ Space-saving design	▪ Outstanding image resolution ▪ Smart solution for quick imaging of mini, midi and precast gels ▪ Smallest footprint ▪ Real color images	▪ Overhead RGB LED lights for advanced fluorescence setups ▪ Space-saving opening mechanism ▪ UV protection shield included ▪ Epi-UV and multispectral light source as upgrade options to increase scope of applications

UVP UVsolo *touch*

Maximum ease of use, minimum space requirement

UVP UVsolo *touch* is a compact, easy-to-use, stand-alone system for gel documentation. It is designed to acquire gel images in short time and without any need of training. Thus, it is ideal for multi-user environments and practical courses.

UVP UVsolo *touch* includes a light-sensitive monochrome camera with 5 megapixels resolution. With its bright f/1.2 zoom lens, it enables short exposure times and high-contrast image acquisition. The system is controlled by a touchscreen interface with intuitive image acquisition software.

In *Live View* mode, exposure time, zoom and aperture can be readily set. Saturation monitoring allows for easy capture of fully quantifiable images. Gel images are saved in universal file formats (TIF or JPG) on a USB storage device, the internal computer memory or via wireless network or Ethernet to any network computer. Any USB printer can be connected to the UVP UVsolo *touch*.

- Convenient touchscreen operation
- Unique gel viewing window for visual control
- Access to gel through side doors
- Small system footprint requires minimum bench space

Wide choice of transilluminators

Seven different UV Transilluminator options are available based on filter size (20 x 20 cm, 21 x 26 cm, or 25 x 26 cm), UV wavelength (302 nm, 302/365 nm, or 254/302/365 nm) and intensity (3 levels).

For your safety

Opening the front door automatically switches off the UV light by a safety mechanism. A UV-blocking gel viewing window in the front door gives a direct and safe view to the fluorescent gel under UV illumination. For excising bands from gels, two side-access doors are included.

Documentation of Coomassie and silver-stained gels

Acquisition of non-fluorescent, colorimetric gel images can be performed by the use of white light converter plates. Such plates are placed directly on top of the UV transilluminator converting UV to white light. UVP Visi-White™ converter plates represent an economic and handy alternative to dedicated white light transilluminators.

Analysis of gel images

The main purpose of UVP UVsolo *touch* is enabling the user to quickly take, save and print gel images. However, for a detailed molecular weight or amount analysis, the system comes with a free-of-license analysis software which can be installed on any remote computer.

Order Information

Order number		Description	
230 V	**115V**		
UVP UVsolo *touch*		Compact stand-alone gel documentation system with monochrome camera (5 MP resolution), manual zoom lens (8 - 48 mm, f/1.2), 11.6" color touchscreen with tilt capability, overhead white light, filter slider with EtBr filter, gel viewing window in front door, 2 side-access doors for preparative work, UV safety switch, 4 USB ports for USB flash drive and printers, network integration by WLAN or Ethernet. File formats: JPG, TIF (16 bit image depth), VisionWorks® image acquisition and analysis software, unlimited copies	
		UVP UVsolo *touch*	**Transilluminator filter size/UV wavelength**
849-00502-2	849-00502-4	UVP UVsolo *touch*, M-20V	20 x 20 cm, 302 nm
849-97-0762-02	849-97-0762-01	UVP UVsolo *touch*, M-26V	21 x 26 cm, 302 nm
849-00503-2	849-00503-4	UVP UVsolo *touch*, M-26XV	25 x 26 cm, 302 nm
849-97-0761-02	849-97-0761-01	UVP UVsolo *touch*, LM-20	20 x 20 cm, 302/365 nm
849-97-0763-02	849-97-0763-01	UVP UVsolo *touch*, LM-26	21 x 26 cm, 302/365 nm
849-97-0764-02	849-97-0764-01	UVP UVsolo *touch*, LMS-20	20 x 20 cm, 254/302/365 nm
849-97-0765-02	849-97-0765-01	UVP UVsolo *touch*, LMS-26	21 x 26 cm, 254/302/365 nm
		Accessories	
849-00405-0		Emission filter* for green fluorescent dyes, e.g. SYBR® Green/Safe/Gold, MidoriGreen, GelGreen®, Cy2, GFP, 513 - 557 nm tansmission range	
849-20510-0		UVP Visi-White™ Converter Plate, UV-to-white, 21 x 26 cm filter size	
849-20511-0		UVP Visi-White™ Converter Plate, UV-to-white, 25 x 26 cm filter size	
849-20520-0		UVP Visi-Blue™ Converter Plate, UV-to-blue, 21 x 26 cm filter size	
849-20521-0		UVP Visi-Blue™ Converter Plate, UV-to-blue, 25 x 26 cm filter size	

* Please visit our website for the full range of fluorescence emission filters.

UVP GelTower

Streamlined precast and small gel imaging

The computer-controlled **UVP GelTower** features a digital single lens reflex camera providing high-resolution images in color and grey-scale. Simply place gels on the transillumination plate - UV, blue or white - and capture brilliant color images. The clearly-structured software interface guides users through the automated image acquisition process. Alternatively, individual settings can be defined for quick, personalized image capture. For a detailed analysis of gel images, UVP GelTower comes with the free-of-license VisionWorks® image enhancement and analysis software.

UVP GelTower is equipped with a midrange 302 nm UV transilluminator with 11.5 x 16 cm illuminated area accommodating mini and midi gels. A black sample plate is included for imaging non-fluorescent/non-transilluminated samples such as colorimetrically-stained Western Blots (NBT/BCIP, Ponceau S). The application scope can be further extended by adding interchangeable sample plates for additional fluorescent and colorimetric stains.

Optional sample plates:

- Visi-Blue™ Sample Plate: Converts UV to blue light for less mutagenic excitation using dyes such as SYBR® Green, GelGreen® or EtBr
- Visi-White™ Sample Plate: Converts UV to white light for imaging Coomassie Blue and silver stained gels
- Longwave UV Plate: Converts 302 nm to 365 nm UV for less mutagenic UV excitation
- Sample Plate Holder for the storage of multiple sample plates

- Publication-quality color or grey-scale images with 17.9 MP resolution
- Imaging of nucleic acid and protein gels with interchangeable transillumination sources: white, blue, midrange and longwave UV
- Analyze images using VisionWorks® Analysis Software
- Space-saving design: < 33 x 33 cm footprint

Easily accessible controls

The control panel enables quick selection of emission filter and light source operating the motorized 5-position filter wheel, the transilluminator and overhead white light. The system comes with an Ethidium Bromide filter, additional filters can be added as required. A UV safety switch automatically shuts off the transilluminator upon opening the door.

Intuitive software interface

The software interface features preset, one-touch preview and capture buttons to simplify image acquisition. Alternatively, specific and individual imaging protocols can be designed and saved as templates. Output images are ready for analysis using the VisionWorks® analysis module. It offers molecular weight analysis based on a comprehensive open library of molecular weight standards, quantification and a number of useful graphical and image enhancement tools. Analysis data are documented in reports which can be customized according to individual needs.

Order Information

Order number		Description
230 V	**115 V**	**UVP GelTower**
849-00510-2	849-00510-4	Computer-controlled gel imaging system, DSLR camera with 17.9 MP resolution, 302 nm UV transilluminator with 11.5 cm x 16 cm filter size, UV safety switch, overhead white light, 5-position filter wheel, EtBr filter included, black sample plate, VisionWorks® image acquisition and analysis software. File formats: JPG, TIF
		Accessories
849-00520-0		Visi-Blue™ Sample Plate, converts 302 nm UV to 460 - 470 nm blue light for mild excitation and the use of stains such as SYBR® Green, SYBR® Safe and GelGreen™
849-00521-0		White Light Sample Plate, converts 302 nm UV to white light for Coomassie Blue and silver stained gels
849-00522-0		Longwave UV Sample Plate, converts 302 nm UV to 365 nm UV for less mutagenic irradiation
849-00523-0		Sample Plate Holder for multiple sample plates
849-00405-0		Emission filter* for green fluorescent dyes, e.g. SYBR® Green/Safe/Gold, MidoriGreen, GelGreen®, Cy2, GFP, 513 - 557 nm transmission range
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, highly glossy, 4 rolls at 18 m
844-00011-3		Personal computer for UVP GelTower, pre-installed, with 19" TFT monitor

* Please visit our website for the full range of fluorescence emission filters.

Sample Plate Holder with blue and white sample plates (left), black sample plate (right)

UVP GelStudio/GelStudio PLUS

UVP GelStudio imagers offer unmatched versatility and a broad application spectrum for imaging DNA & protein gels using all kinds of fluorescent and non-fluorescent stains.

UVP GelStudio imaging systems

The **UVP GelStudio Series** is a direct response to the expanding needs of researchers regarding versatility and flexibility. All GelStudio models feature latest camera technology, uniquely intuitive software operation and a number of ergonomic details facilitating daily lab work. The systems come with a 302nm UV transilluminator with special long-life UV tubes and overhead RGB LED arrays enabeling a wide scope of fluorescent and non-fluorescent imaging applications.

UVP GelStudio guarantees premium image quality and virtually unlimited possibilities for fluorescent and non-fluorescent gel imaging. GelStudio sets a new benchmark that goes far beyond standard gel documentation. Its ergonomic design and safety features turn GelStudio into a fundamentally new experience to the researcher.

GelStudio comes as 2 different models: GelStudio, the basic and compact version, and the hugher GelStudio PLUS particularly suited for large gel imaging accomodating gels with sizes up to 25 x 26 cm. Technically otherwise identical, GelStudio PLUS contains some smart ergonomic features such as an integrated, pull-down UV protection shield and the unique Slide2Hide door which totally disappears inside the instrument when opened.
Both systems are available with or without integrated touch tablet PC.

- State-of-the-art gel imaging system offering unmatched versatility and flexiblity
- Designed for standard gel documentation as well as sophisticated fluorescent gel and blot imaging
- Superb image quality thanks to cutting-edge camera and lens technology
- Capable of fluorescent imaging from UV to NIR in standard configuration
- Intuitive software interface with streamlined, one-touch image acquisition workflows
- Individual design of custom imaging protocols, simple or complex
- Comprehensive anaysis software included
- Ergonomic design: space-saving door and integrated UV protection shield
- Two different models: GelStudio/GelStudio PLUS, each available for external PC control or with integrated Touch PC

It

VisionWorks® acquisition and analysis software

All GelStudio systems run VisionWorks®, a full-scope software package with powerful image acquisition, enhancement and analysis functions. Application-based icons enable automated one-touch capture. In addition, VisionWorks® allows full control of all hardware components such as camera, lens, filter wheel and lighting modules for optimization of imaging parameters. Individual imaging protocols can be designed and saved for ultra-fast image capture applying optimized, user-defined capture settings. In addition, VisionWorks® includes powerful image enhancement and analysis tools such as molecular weight calculation and quantification.

Optional components and accessories

In its basic configuration, GelStudio covers a wide scope of fluorescent applications from UV-NIR in addition to standard fluorescent and colorimetric gel imaging. By further optional components, this scope can even be extended. Examples are epi-UV modules for TLC documentation or the eLITE Xenon multispectral light source for freely adjustable fluorescence excitation wavelengths between 400 - 800 nm.

Order Information

Order number			Description
230 V	**115V**		**GelStudio Imaging Systems**
			Advanced gel imaging systems with monochrome 5.0 MP camera, motorized zoom lens (8 - 48 mm, f/1.2), 302 nm UV transilluminator with long-life UV tubes, overhead white, red, green, blue LEDs, 5-position filter-wheel with EtBr filter included, UV protection shield and safety switch, 7 USB ports for flash drive, printers, network integration by WLAN or Ethernet. File formats: JPG, TIF (16 bit image depth), VisionWorks® image acquisition and analysis software
849-97-0852-04	849-97-0852-03		UVP GelStudio, 16.8 x 21 cm illumination area, attachable magnetic UV protection shield
849-97-0852-02	849-97-0852-01		UVP GelStudio *touch*, integrated touch tablet PC with 13.3" touchscreen, 16.8 x 21 cm illumination area, attachable magnetic UV protection shield
849-00552-2	849-00552-4		UVP GelStudio PLUS, 25 x 26 cm illumination area, unique Slide2Hide door, integrated pull-down UV protection shield
849-00553-2	849-00553-4		UVP GelStudio PLUS *touch*, integrated touch tablet PC with 15.6" touchscreen, 25 x 26 cm illumination area, unique Slide2Hide door, integrated pull-down UV protection shield
			Emission filters*
849-00405-0			Emission filter for green fluorescent dyes, e.g. SYBR® Green/Safe/Gold, MidoriGreen, GelGreen®, Cy2, GFP, 513 - 557 nm transmission range
230V	**115V**		**Additional LED Transilluminators**
849-95-0476-01			UVP Visi-White™ LED Transilluminator, 28 cm x 28 cm filter size, for GelStudio PLUS systems
849-95-0591-01			UVP Visi-Blue™ LED Transilluminator, 460 - 470 nm blue light, 24.5 cm x 24.5 cm filter size, for GelStudio PLUS systems
849-95-0599-01			UVP Visi-White™ LED Transilluminator, 16.8 cm x 21 cm filter size, for GelStudio systems
849-95-0593-01			UVP Visi-Blue™ LED Transilluminator, 460 - 470 nm blue light, 16.8 cm x 21 cm filter size, for GelStudio systems
			Converter Plates
849-38-0428-01			UVP Visi-White™ Converter Plate, UV-to-white, 25 cm x 26 cm filter size, for GelStudio PLUS systems
849-38-0200-04			UVP Visi-Blue™ Converter Plate, UV-to-blue, 25 cm x 26 cm filter size, for GelStudio PLUS systems
849-38-0408-01			UVP Visi-White™ Converter Plate, UV-to-white, 16.8 cm x 21 cm filter size, for GelStudio systems
849-38-0409-01			UVP Visi-Blue™ Converter Plate, UV-to-blue, 16.8 cm x 21 cm filter size, for GelStudio systems
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			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

* Please visit our website for the full range of fluorescence emission filters.


Start Preview
Start Capture
UV On
302 nm UV
100 %
50 %
UVP GelStudio

Gel Analysis

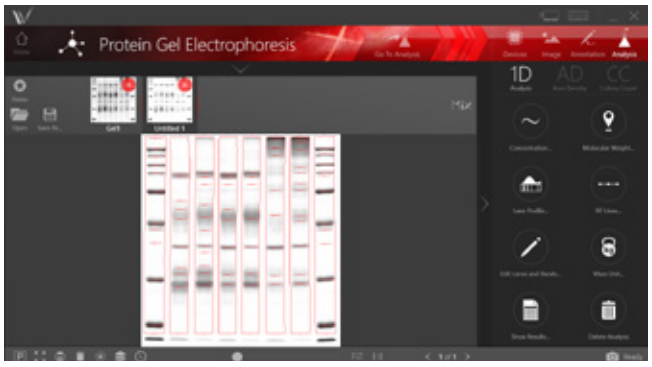
VisionWorks® Analysis Software – comprehensive gel analysis in a few steps

- Molecular weight analysis, quantitation and RF value calculation
- User-defined individual analysis, annotation and enhancement settings
- Result tables as Excel or text-file, standard or user-customized reports
- Included with all UVsolo, GelTower and GelStudio systems
- Free of license, unlimited copies

VisionWorks® is a powerful package of image acquisition, enhancement and analysis software supporting different camera models. It provides sophisticated tools for gel and blot analysis and accepts typical open file formats such as JPG, TIF, and BMP. The intuitively designed interface guides the user through the analysis workflow and generates precise molecular weight and intensity calculations.

VisionWorks® Analysis has a straightforward design and can easily be used without extensive training. It offers many non-destructive process filters, enhancement features and annotation tools that can be applied to images for visualization and publication. Annotations and analysis settings can be individualized by the user and saved for subsequent analyses.

- Automatic lane and band recognition
- Add, delete and modify lanes and bands
- Optimization of lane and band detection parameters
- Different background correction methods, background calculation can be fine-tuned in lane profile view
- Automatic calculation of molecular weight, quantity and RF values
- Dendrogram analysis
- Automatic colony counting feature
- Result tables as Excel sheet or csv
- Numerous useful image enhancement tools
- Powerful annotation options for complex lane patterns. Can be saved as individual annotation files
- Save individual user templates (e.g. marker files, analysis settings, annotation patterns)
- Histogram function, entire per-pixel intensity information (grey levels)
- Customized or predefined analysis reports
- Meets CFR 21 Part 11 requirements



Automatic lane and band detection

Background correction in lane profile view

Stand-Alone Transilluminators

A wide choice of high-performance transilluminators is available for the illumination of various gel types and preparative tasks.

UV Transilluminators

Analytik Jena UV transilluminators feature bright illumination, superior uniformity and low background thanks to the use of a specific high-grade filter glass.

All models are equipped with an ultraviolet blocking cover to shield the user from UV radiation. Their base is painted with a specific light-absorbing and scratch-resistant powder coating. The use of stainless-steel frames allows for easy cleaning.

- Wide choice of filter sizes from 15 x 15 cm to 20 x 40 cm
- High-grade filter glass for low background
- Freely adjustable UV protection shield

Benchtop UV Transilluminator models

This product line includes compact models with single or multiple intensity selectors equipped with 8-watt, 302 nm UV tubes.

Variable intensity models

- High intensity setting for maximum UV excitation intensity of fluorophores on gels for routine photography – also recommended for low sample amounts
- Medium intensity setting for gel viewing and quick single-band excision
- Low intensity setting for excising bands for further downstream processing

Multi-wavelength models

For users who prefer the choice between different UV wavelengths, dual and triple wavelength transilluminators were designed (254 nm, 302 nm, 365 nm). They come with a single intensity setting and 8 W UV bulbs. Available filter sizes are 20 x 20 cm or 21 x 26 cm.

FirstLight® UV Transilluminator models

UVP FirstLight® transilluminators feature a special, patented, phosphor-coated UV excitation source delivering outstanding illumination homogeneity. This allows for documentation of several gels side-by-side using the whole filter area without any edge-effects.

- Exceptionally uniform, edge-to-edge illumination
- Uniformity: <5 % coefficient of variance (CV) across the full filter area
- Accurate gel-to-gel comparison

UVP FirstLight® Transilluminator FI-26X

High wattage UV Transilluminator models

UV transilluminators of the PL series feature extremely intensive 25 W UV tubes for strongest UV illumination.

- Deliver high UV intensity, no light flicker, fast lamp start-up
- Back-lit UV illumination further enhanced by a long-life filter and uniformity screen
- Adjustable UV blocking cover

UVP Transilluminator PL TFL-40V

Blue Light Transillumination

In contrast to UV excitation, using blue light reduces the risk of damage to nucleic acid. This is of particular importance for further downstream use of DNA or RNA after gel electrophoresis/documentation. Blue light excitation can be used for various nucleic acid or protein stains with excitation maxima near 470 nm. Examples are: SYBR® Green, GelGreen™, SYBR® Safe, SYBR® Gold, EtBr, SYPRO® Ruby, Cy2, AlexaFluor® 488, GFP, and many others.

- Blue light illumination for excitation of various fluorophores
- Safe solution: No damage to DNA, no UV exposure for users

Visi-Blue™ Blue light Transilluminator

The Visi-Blue™ Transilluminator is available as compact 8 W model similar in size to the Benchtop Transilluminators. The amber protective cover effectively blocks blue light and enhances visualization of fluorescent dyes with emission maxima above 500 nm.

UVP Visi-Blue™ Transilluminator VB-26

UV-to-blue converter plates

Instead of a blue light transilluminator, a Visi-Blue™ converter plate can be used to generate blue light from UV. Three different sizes are available. For use with a gel documentation system, an amber emission filter is included.

UVP Visi-Blue™ Converter Plate

Documentation of non-fluorescent gels

Visi-White™ Transilluminators

For documentation of conventional, non-fluorescent gel stains like Coomassie Brilliant Blue or Silver Stain, UVP Visi-White™ Transilluminator model TW-26 was designed. It comes with 21 x 26 cm filter size accommodating all common sizes of protein gels.

UVP Visi-White™ Transilluminator TW-26

UV/White Light Transilluminator

The UV/White Light Transilluminator features a UV- and a white light transilluminator in one chassis, each with 20 x 20 cm filter size. Due to its size, this transilluminator cannot be integrated into any Analytik Jena gel imaging system.

UVP UV/White Transilluminator TMW-20

UV-to-white light converter plates

As an alternative to a white light table, a white light converter plate can be applied to the top of a UV transilluminator to generate white light from a UV source. This extends the application scope to colorimetric gel stains without the need of purchasing an additional white light transilluminator.

UVP Visi-White™ Converter Plate

Order Information

Order number		Description
230 V	**100 –115 V**	**UV transilluminators without intensity selector, 302 nm**
849-20015-0	849-20015-4	UVP Transilluminator M-15, filter size 15 x 15 cm, 8 W, 302 nm UV, UV protection shield
849-20016-0	849-20016-4	UVP Transilluminator M-20, filter size 20 x 20 cm, 8 W, 302 nm UV, UV protection shield
849-20017-0	849-20017-4	UVP Transilluminator M-26, filter size 21 x 26 cm, 8 W, 302 nm UV, UV protection shield
230 V	**100 –115 V**	**UV transilluminators with variable intensity selector, 302 nm**
849-20018-0	849-20018-4	UVP Transilluminator M-15V, filter size 15 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 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 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 x 26 cm, 8 W, 302 nm UV, high/medium/low intensity setting, UV protection shield
230 V	**100 –115 V**	**302/365 nm dual wavelength UV transilluminators**
849-20011-0	849-20011-4	UVP 2UV Transilluminator LM-20, filter size 20 x 20 cm, 8 W, 302/365 nm UV, UV protection shield
849-20012-0	849-20012-4	UVP 2UV Transilluminator LM-26, filter size 21 x 26 cm, 8 W, 302/365 nm UV, UV protection shield
230V	**100 –115 V**	**254/302/365 nm triple wavelength UV transilluminators**
849-20013-0	849-20013-4	UVP 3UV Transilluminator LMS-20, filter size 20 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 x 26 cm, 8 W, 254/302/365 nm UV, UV protection shield
230V	**100 –115 V**	**FirstLight® UV transilluminators, 302 nm**
849-20001-0	849-20001-4	UVP FirstLight® Transilluminator FI-20, filter size 20 x 20 cm, 8 W, 302 nm UV, UV grid, UV protection shield
849-20003-0	849-20003-4	UVP FirstLight® Transilluminator FI-26X, filter size 25 x 26 cm, 8 W, 302 nm UV, UV grid, UV protection shield
230 V	**100 –115 V**	**High wattage UV transilluminators (25 W) with variable intensity selector, 302 nm or 365 nm**
849-20035-0	849-20035-4	UVP Transilluminator PL TFM-20V, filter size 20 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 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 x 40 cm, 25 W, 365 nm UV, high/medium/low intensity setting, UV protection shield
230 V	**100-115 V**	**Blue light transilluminator with variable intensity selector**
849-20070-0	849-20070-4	UVP Visi-Blue™ Transilluminator VB-26, filter size 21 x 26 cm, 8 W, 460 - 470 nm blue light, high/medium/low intensity setting, amber protection shield
230 V	**100-115 V**	**UV/white light combined transilluminator**
849-20052-0	849-20052-4	UVP UV/White Transilluminator TMW-20, filter sizes 20 x 20 cm for UV (302 nm) and white light, 8 W, UV protection shield
230 V	**100 V**	**White light transilluminator**
849-20060-0	849-20060-5	UVP Visi-White™ Transilluminator TW-26, filter size 21 x 26 cm, 8 W, white light

Order Information

Order number	Description
	Converter plates
849-20510-0	UVP Visi-White™ Converter Plate, 21 x 26 cm filter size
849-38-0191-04	UVP Visi-White™ Converter Plate, 25 x 26 cm filter size
849-20512-0	UVP Visi-White™ Converter Plate, 20 x 40 cm filter size
849-20520-0	UVP Visi-Blue™ Converter Plate, 21 x 26 cm filter size, 460 - 470 nm peak intensity*
849-38-0200-04	UVP Visi-Blue™ Converter Plate, 25 x 26 cm filter size, 460 - 470 nm peak intensity*
849-20522-0	UVP Visi-Blue™ Converter Plate, 20 x 40 cm filter size, 460 - 470 nm peak intensity*
849-20523-0	UVP UV/UV Converter Plate, transforms 302 nm to 365 nm UV, 25 x 26 cm filter size

* Includes amber emission filter, compatible with GelTower, UVsolo and UVP GelStudio systems

	Gel tools and protective equipment
849-20602-0	UV face protection shield
846-055-002	UV protecting glasses
849-85-0007-01	UVP Gel Tray: UV transparent acrylic tray for preparative tasks on a transilluminator, 29 x 23 cm
846-057-013	UVP Gel Scooper: UV transparent gel scoop, scoop area 14 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
846-057-018	UV bulb 25 W, 254 nm
846-057-016	UV bulb 25 W, 302 nm
846-057-017	UV bulb 25 W, 365 nm
846-9-720-007	White light bulb, 8 W

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Pictures: Analytik Jena AG
Subjects to changes in design and scope of delivery as well as further technical development!

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