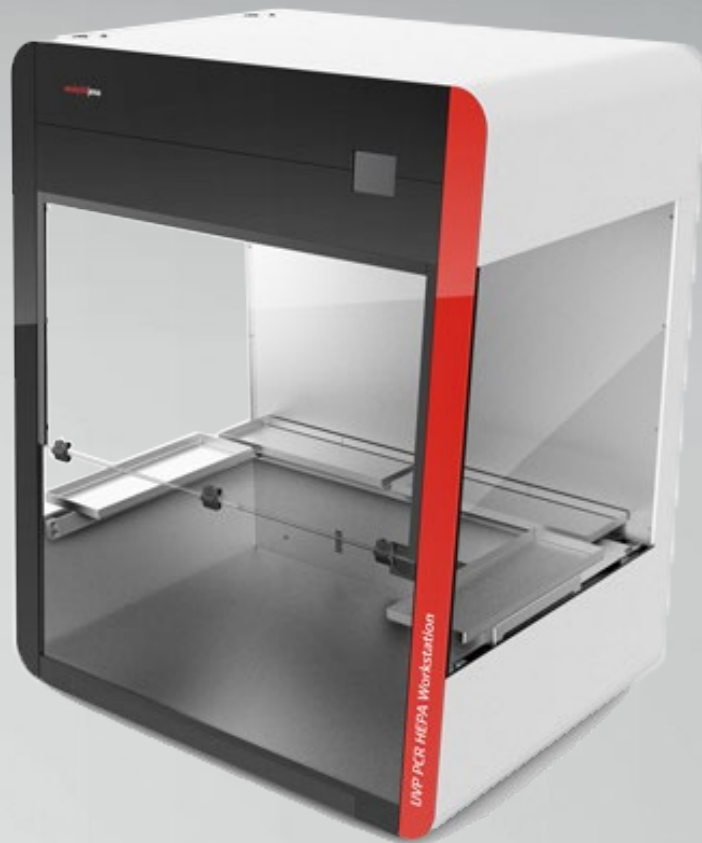


# UVP PCR Workstations

## Ideal for PCR Sample Preparation



## UVP PCR Workstations

The combination of short-wave UV radiation and antimicrobial metal surfaces considerably reduce the risk of PCR contamination.

Analytik Jena offers a complete line of PCR UV hoods. These products bring together UV irradiation and antimicrobial stainless steel and aluminum to create a dual-attack environment against PCR contaminations. The latest addition to this product line are the powerful new UVP PCR Workstations. These Workstations are designed for placement of large instruments on the work area or small items on the removable shelves. They can be configured with or without a HEPA filter assembly based on customer needs. These systems have been specially designed to enable unbelievably easy assembly and service.



## UVP PCR Workstations

Ideal for PCR Sample Preparation



#### Features

- 254nm UV irradiation to achieve efficient decontamination
- Easy-clean antimicrobial coating on the stainless steel and aluminum surfaces doubles up the attack on PCR contaminants
- Safety shut-off switch automatically turns the UV light off when door is opened
- Makrolon® panels block all UV light below 400nm
- Built-in power outlets for operation of equipment inside the Workstation
- Touchscreen interface to control all system functions
- Choice of HEPA or non-HEPA system configurations based on customer needs
- HEPA models only: 3 layers of UV irradiation + air filtration/ circulation to ensure maximum decontamination, Carbon pre filter with long-life UV, HEPA filter with standard UV lamps, and Recirculator with long-life UV
- Unique folding assembly that takes as little as 10 minutes
- Quick and easy filter and lamp replacement as well as service

# Sophisticated Platform for Any Sample Preparation

UVP PCR Workstations combine a number of important features for all contamination-sensitive applications.

Researchers who work with PCR technologies, must ensure an effective protection against the unintended transfer of nucleic acids. Analytik Jena's UVP PCR Workstations are exceptionally equipped to provide systemic protection against such transfers.

## High efficiency UV decontamination:

All UVP PCR Workstations create an ideal environment for preparing PCR master mixes and other reactions by reducing any possible sample contamination. UV irradiation by means of the built-in 254 nm UV lamps significantly reduces surface and airborne contaminants in the chamber and maintains a clean work area to minimize repeat experiments and save time. The hoods include a timer to control UV decontamination of the chamber by simply setting the desired time. All systems feature a safety shut-off switch, which automatically turns the UV light off when the door is opened, protecting users from UV exposure.

- Decontaminate apparatus and reagents within minutes
- Integrated touchscreen to control all system functions
- Safety shut-off switch for UV protection

## Perfect antimicrobial protection:

Additional contamination control is provided with a coated stainless steel and aluminum design that maintains antimicrobial efficacy. The durable coating material is a safe and natural agent for continuous protection that suppresses the growth of bacteria, molds and fungi on surfaces.

## Efficient work area:

UVP PCR Workstations are designed for placement of large instruments on the work area or small items on the removable shelves. Overhead white light brightly illuminates the work area and built-in power outlets allow operation of additional equipment within the chamber.

## Systemic Protection Against Contamination

Up to three layers of UV irradiation and air filtration/circulation to ensure maximum and continuous decontamination throughout the system.

### HEPA filtration:

The UVP PCR HEPA Workstations include a two-stage filter module with built-in 254 nm shortwave UV light source. The system circulates filtered and decontaminated air into the PCR chamber, first through the Carbon pre-filter on the side and then through the HEPA filter at the top. An access door inside the workspace provides easy access to replace the HEPA filter when indicated by the status light on the touchscreen control panel. Another access door on the side enables easy replacement of the Pre-filter when required.

A third layer of air circulation is provided by the Recirculator in the bottom work area which recirculates the HEPA-filtered air to ensure continuous decontamination of the whole air volume inside the workspace. This is a custom feature and can be turned on/off as desired. Each of these air filtration/circulation chambers are provided with a built-in UV light source that decontaminates the air as it is being filtered or circulated. The UVP PCR Workstations (non-HEPA models) only feature the Recirculator. All systems include UV safety shut-off switches to ensure complete UV protection.



# UV Enclosures for Automated Liquid Handling

Assuring sample integrity for high throughput sample preparation.

The CyBio® FeliX is employed to perform automated liquid handling for a wide range of applications, some of which require ambient sterility. For working in a sterile environment, the CyBio® FeliX clean bench unit can be placed inside the UVP UV Enclosure or the UVP HEPA UV Enclosure. These Enclosures, specially designed to fit the CyBio® FeliX clean bench unit, allow high throughput sample preparation to be performed while maintaining sample integrity.

Controlled UV irradiation, combined with antimicrobial action of the coated internal workspace (and HEPA filtration provided by the UVP HEPA UV Enclosure) ensures maximum protection against sample contamination and hence maximum efficiency of the liquid handling protocols.



## Technical Data

Specifications/features	UVP PCR Workstation	UVP HEPA PCR Workstation
UV Source (254nm)	<ul style="list-style-type: none"> <li>▪ Inside the work area</li> <li>▪ Air recirculator at the bottom</li> </ul>	<ul style="list-style-type: none"> <li>▪ Pre-filter chamber</li> <li>▪ Inside the work area</li> <li>▪ Air recirculator at the bottom</li> </ul>
UV Safety	<ul style="list-style-type: none"> <li>▪ UV shut-off switches in all the chambers</li> <li>▪ Red LED ambient light to indicate UV on</li> </ul>	
White light	Overhead white LED lights brightly illuminates the work area	
Filter module	No filter	2-stage filter module: Carbon pre-filter, HEPA filter
Timer	15 minutes, 30 minutes, custom (up to 99 minutes)	
Power outlets	2	
Shelves	2	
Work surface	Antimicrobial coated stainless steel and aluminum	
Dimensions (W x D x H) Exterior [mm]	826 x 616 x 991 (32.5 x 24.25 x 39 in.)	826 x 616 x 991 (32.5 x 24.25 x 39 in.)
Dimensions (W x D x H) Interior [mm]	787 x 546 x 737 (31 x 21.5 x 29 in.)	787 x 546 x 737 (31 x 21.5 x 29 in.)

## Order Information

Order number			Description
115 V	230 V (EU)	230 V (UK)	UVP PCR Workstation
849-95-0600-01	849-95-0600-02	849-95-0600-03	UVP PCR HEPA Workstation
849-95-0601-01	849-95-0601-02	849-95-0601-03	UVP PCR Workstation
849-95-0604-01	849-95-0604-02	849-95-0604-03	UVP HEPA UV Enclosure
849-95-0605-01	849-95-0605-02	849-95-0605-03	UVP UV Enclosure
			<b>Accessories</b>
849-17-0151-01			HEPA filter
849-17-0152-01			Carbon pre-filter
849-20-1985-01			Shelf
849-34-0073-01			UV Lamp, 254nm, 25W
849-98-0125-01			Makrolon replacement kit

#### Headquarters

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