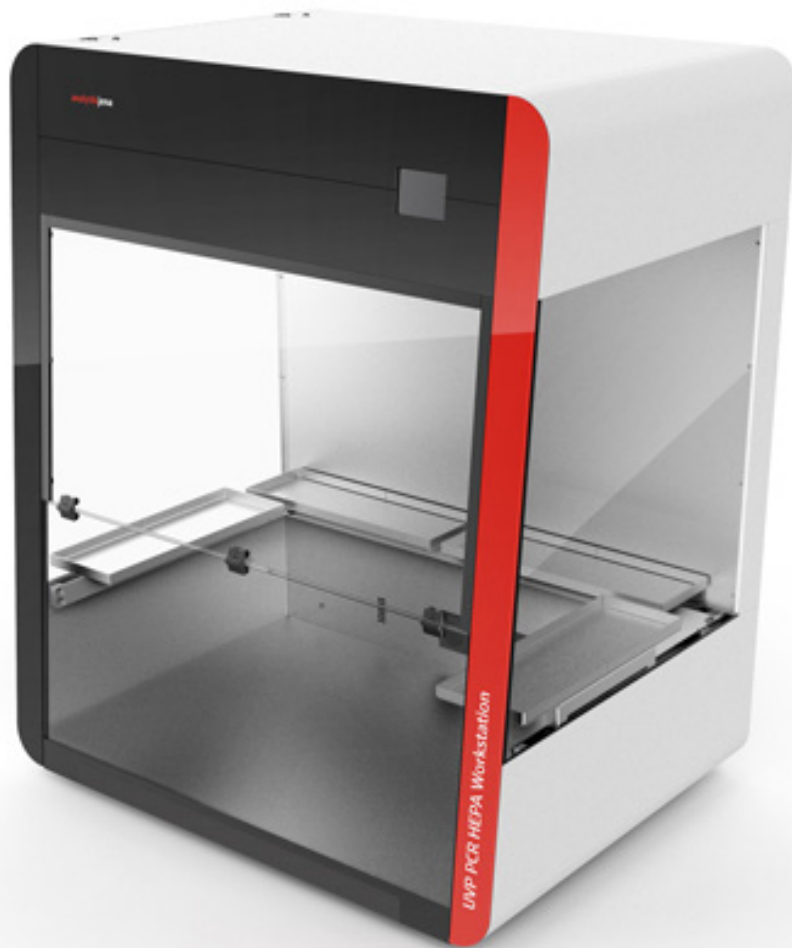


UVP PCR Cabinets & Workstations

Ideal for Your Sample Preparation



UVP PCR Cabinets and 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 systems. PCR UV hoods use shortwave ultraviolet to control unwanted transfers of nucleic acids. The systems bring together UV irradiation, antimicrobial stainless steel and aluminum to create a dual-attack environment against PCR contaminations.

Choose from cabinet or workstation, whereby the cabinet features a smaller work area than the workstation. The cabinets and workstations are designed for placement of large instruments on the work area or small items on the removable shelves. They both feature UV light and 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 Cabinet UVP PCR Workstation

Ideal for Your Sample Preparation



Features

- 254 nm 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 400 nm
- Built-in power outlets for operation of equipment inside the Cabinet or 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 15 minutes
- Quick and easy filter and lamp replacement as well as service

Sophisticated Platform for Any Sample Preparation

All Analytik Jena Cabinets and Workstations combine a variety of important features for 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 Cabinets and Workstations are exceptionally equipped to provide systemic protection against such transfers.

High efficiency UV decontamination:

All UVP PCR Cabinets and 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 Cabinets and 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.

Systematic 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 Cabinets and Workstations include a two-stage filter module with a 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 Cabinets and 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 Cabinet	UVP PCR Workstation	UVP PCR HEPA Cabinet	UVP PCR HEPA Workstation
UV Source (254 nm)	<ul style="list-style-type: none"> ▪ Inside the work area ▪ Air recirculator at the bottom 		<ul style="list-style-type: none"> ▪ Pre-filter chamber ▪ Inside the work area ▪ Air recirculator at the bottom 	
UV Safety	<ul style="list-style-type: none"> ▪ UV shut-off switches in all chambers ▪ Red LED ambient light to indicate UV on 			
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			
Exterior Dimensions (W x D x H)	685 x 510 x 890 mm (27 x 20 x 35 in.)	826 x 616 x 991 mm (32.5 x 24.25 x 39 in.)	685 x 510 x 890 mm (27 x 20 x 35 in.)	826 x 616 x 991 mm (32.5 x 24.25 x 39 in.)
Interior Dimensions (W x D x H)	635 x 430 x 620 mm (25 x 17 x 24.5 in.)	787 x 546 x 737 mm (31 x 21.5 x 29 in.)	635 x 430 x 620 mm (25 x 17 x 24.5 in.)	787 x 546 x 737 mm (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
849-95-0602-01	849-95-0602-02	849-95-0602-03	UVP PCR HEPA Cabinet
849-95-0603-01	849-95-0603-02	849-95-0603-03	UVP PCR Cabinet
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
			Accessories
849-17-0151-01			HEPA filter
849-17-0152-01			Carbon pre-filter
849-20-1985-01			Shelf
849-34-0073-01			UV Lamp, 254 nm, 25W
849-98-0125-01			Makrolon replacement kit

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Pictures: Analytik Jena US

Subject to changes in design and scope of delivery as well as further technical development.