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You can breathe

SAFETY
Protection of RNA/ DNA samples. UV safety switched with SMART technology for guaranteed safety from harmful UV rays

PERFORMANCE
H14 HEPA filtration that meets EN 1822 standards.

ADAPTABIILITY
Increase sample protection with the option of adding carbon filtration, combining molecular and particulate filtration.

SIMPLICITY
Delivered completely knocked down (CKD) for ease of installation in any setting. Sets up in minutes.

CONNECTIVITY
SMART technology for real-time performance monitoring ensuring peak operation during critical handlings.

CaptairBio
PCR workstation
Complete protection for RNA/DNA amplification

COMPLIANT WITH
AFNOR
NF X15-211
FILTRATION STANDARDS*

FILTRATION TECHNOLOGY
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CaptairBio
Mobile ductless filtering PCR workstation

High efficiency particulate filtration

SMART TECHNOLOGY
Simple, intuitive communication by light shows the status of the workstation

Internal UV light

Air flow monitoring

Internal LED lighting

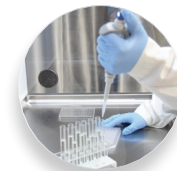UV resistant front and side panels

Ergonomic design

Easy to clean

Mobile or fixed benches

Download the eGuard App for remote control and monitoring

Google play · App Store

Life in the laboratory becomes simpler and safer

CaptairBio PCR Workstations are designed to protect sensitive biological applications against both environmental pollution and cross-contamination. They feature a high efficiency filtration system that provides a particle-free workstation around the manipulation. High energy UV light is used to decontaminate the worktop from biological cross-contamination between two operations.
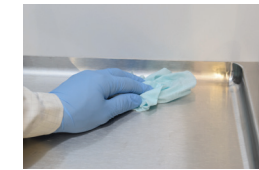
Particulate free workstation*

- Protection against external contamination
- Internal air quality achieved by high efficiency particulate filter(s) (HEPA H14 / ULPA U16)
- Carbon filter (optional) to protect handlings from VOCs present in the laboratory atmosphere

UV decontamination

UV 254 nm

- Protect your samples from cross-contamination
- Powerful UV decontamination (254 nm lamp power)
- Adjustable timer
- Automatic UV lamp of switch in case the sash is opened when the UV light is on

Easy to clean

- Work surface is easy to clean
- Seamless worktop with smooth corners (available in TRESPA®TopLab^PLUS or Stainless steel (304L)
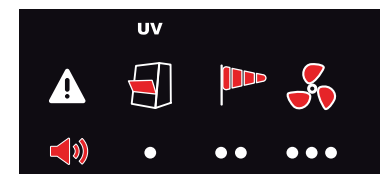- Low porosity material

Ergonomic design

- 3 models available for your handlings with large openings for easy access to your work
- Slanted sash provides an ergonomic position for comfort and productivity
- High luminosity, internal LED lighting (daylight, light intensity > 800 lux)

Simpler to use*

- SMART Technology informs users about their protection using light and sound.
- Light and sound pulses provide real time information indicating that:

- The sash is open when the UV light is on.
- Air face velocity is compromised: check sash, pre-filter or HEPA / ULPA filter.
- Fan failure has occured.

- **The eGuard App** provides remote control to monitor the workstation, change the settings, and delivers safety alerts immediately to your mobile, tablet or PC device.

Safer to operate*

- ULPA U16 filters guarantee 99.99995% filtration efficiency for particles larger than 0.1µm.
- HEPA H14 filters guarantee 99.995% filtration efficiency for particles larger than 0.1µm.
- Add a molecular filter for additional protection from fumes and vapors present in the laboratory air.
- The anemometer monitors a drop in pressure indicating that pre-filter or filter replacement is required.

*Available on Bio 321 and 391

Specifications

VWR Cat. #52428-824
Supplier #321PCR

VWR Cat. #52428-826
Supplier #391PCR

Model	52428-824		52428-826	
Safety standards	NF EN 61010 - CE Marking - EN 1822:1998 (HEPA H14 & ULPA U16 Filters)			
External width (in-mm)	$(31^{7/8})$ 810		$(39^{5/8})$ 1006	
External depth (in-mm)	$(24^{1/4})$ 615		$(24^{1/4})$ 615	
External height min-max (in-mm)	$(38^{1/8} - 42)$ 968-1067		$(38^{1/8} - 42)$ 968-106730	
Internal width (in-mm)	$(30^{7/8})$ 784		$(38^{1/8})$ 968	
Internal depth min-max (in-mm)	$(19^{5/8} - 20^{1/8})$ 498-511		$(19^{5/8} - 20^{1/8})$ 498-511	
Internal height (in-mm)	$(23^{3/8})$ 594		$(23^{3/8})$ 594	
Voltage / Frequency (V-Hz)	100-240 / 50-60			
Air flow (m³/h-CFM)	1P	1C1P	1P	1C1P
	200 / 118	245 / 144	200 / 118	245 / 144
Power consumption (Watts)	40	45	40	55
Decibel level (dBA)	54	57	55	57
Side and front panels	10 mm thick synthetic glass is designed to protect users from harmful UV rays and β (Bêta) emitted from radioactive isotopes such as: T(3H), 14C, 32P			
Structure	Corrosion resistant electro-galvanized steel coated with anti-acid polymer			
Filtration module	Polypropylene			

Filtration

Model	52428-824	52428-826
Particulate filter (1P)	HEPA H14: This filtration technology traps particles larger than 0.1 µm with 99.995% efficiency according to the MPPS method set forth in the EN 1822-1 standard. ULPA U16: This filtration technology traps particles larger than 0.1 µm with 99.99995% efficiency according to the MPPS method set forth in the EN 1822-1 standard.	
Carbon filter (optional) (1C)	Adding a carbon filter to your enclosure allows protection of your samples from VOCs. AS filter : For organic vapors	
Particulate pre-filter	Protects particulate filters from dust in the laboratory environment (only for 1P version)	

Features

Model	52428-824	52428-826
Worktop	Stainless steel 304 L / TRESPA® TopLab PLUS	
Bactericidal UV Lights	15W - Wavelength : 254 nm	
	0.08 mJ/ s/cm²	0.13 mJ/ s/cm²
Internal lighting	LED - IP 44-6000K	
	900 lux	950 lux
eGuard app (Android or iOS)	Mobile app for real time remote control of Smart devices	
Connectivity	RJ45 cable connection to view and change workstation settings (cable included)	
Anemometer	Monitors a drop in pressure that indiates pre-filter or filter replacement is required	

Accessories

Model	52428-824	52428-826
Benches	Rolling cart (Mobicap) or fixed bench (Benchcap)	
Molecode S	Automatic detection of VOC filter breakthrough	

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