



# Captair Bio Smart

Mobile filtered PCR workstation

**PCR handling with a high  
level of protection**



## SMART TECHNOLOGY

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

High efficiency particulate filter  
HEPA H14 or ULPA U17

Internal UV light for  
UV-C decontamination

Air flow  
monitoring

Internal LED  
lighting > 800 Lux

UV resistant front and  
side panels protection  
against  $\beta$  radiation

Ergonomic slanted  
design for comfortable  
and safe working position

Easy to clean worktop  
(chemical resistant laminate  
or stainless steel)

UV Safety switch



Download the  
eGuard App for  
remote control  
and monitoring



Life in the laboratory becomes simpler and safer

# Save your time while saving your samples during PCR experiments !

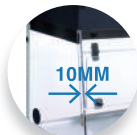
Without an efficient contamination protection from a previous PCR experiment, from the operator or from the room, you face the risk to be obliged to restart your entire PCR experiment, thus wasting valuable time and precious samples !

Captair Smart Bio are vertical laminar flow cabinets, specifically designed to protect efficiently the DNA and RNA samples to be amplified against contamination by other unwanted DNAses or RNAses.



**DNA/RNA free workstation**

- The positive airflow applied inside the enclosure through a high efficiency particulate filter (type HEPA H14 or ULPA U17) prevents the intrusion of any contaminants even when introducing the arms within the working area.



**10 mm enclosure thickness**

- To protect against  $\beta$  radiation when a  $^{32}\text{P}$  - end -labeled primer is used.



**Easy to clean**

- Seamless worktop with smooth corners made of black TRESPA® Top Lab Plus phenolic resin or Stainless Steel 304L



**UV-C decontamination**

- Protect your DNA or RNA samples against contamination from the previous experiment (cross-contamination) through a powerful UV- C lamp 254 nm triggered by an adjustable timer (from 5 to 30 mn).
- This UV- C lamp switches itself off if the operator opens the lower door by accident during decontamination.

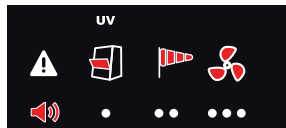


**Ergonomic design**

- Slanted sash provides an ergonomic working position for comfort and productivity.
- Enclosure large enough to receive all the PCR equipment: minicentrifuge, tube rack, automatic pipettes, thermocycler....  
High luminosity through an internal LED light > 800 lux

## Simpler to use\*

- The SMART technology informs users about operational issues
- Light and sound pulses provide real time information indicating that:



- The sash is opened during UV decontamination
- Air face velocity is compromised: check sash, pre-filter or HEPA / ULPA filter.
- Fan failure has occurred.

- 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 U17 filter guarantees a filtration efficiency of 99.999995% for particles larger than 0.1 $\mu\text{m}$  ( European standard EN 1822: 2009 ) or 99.999% at 0.12 microns ( US ASME standard ) or HEPA H14 filter guarantees a filtration efficiency of 99.995% for particles larger than 0.1 $\mu\text{m}$  ( European standard EN 1822: 2009 ) or 99.7% at 0.3 $\mu\text{m}$  ( US ASME standard )
- Optional molecular filter for additional protection from VOC present in the laboratory air.
- The integrated anemometer monitors the airflow and release an alarm in case of pressure drop indicating that the prefilter or the main HEPA / ULPA filter is clogged and shall be changed.

## Standard range

320



321\*



391\*



Model	320 *	321	391
External size (mm) (L x W x H)	809 x 616 x 715	809 x 615 x 967 - 1066	1005 x 615 x 967 - 1066
Internal size (mm) (L x W x H)	765 x 497 - 584 x 595	765 x 497 - 584 x 595	969 x 497 - 585 x 595

\* Availabbe on Bio 321 and 391



## Safety solutions for a variety of applications !



**GreenFumeHoods**  
an alternative to  
ducted fume hoods



**Smart Fume Hoods**  
for your routine  
handlings



**Captair Smart**  
Weighing Stations



**Captair Smart**  
Storage cabinets



**Chemtrap Midcap**  
Filtration System



**Captair Flow**  
Clean Air Enclosures



**Captair Bio**  
PCR Workstations



**Captair Pyramid**  
Portable Glovebox



**Halo**  
Laboratory Air  
Filtration system



**Halo Sense**  
Lab Air Quality Sensor

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