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Product datasheet

CaptairBio 321

PCR Workstation

Complete protection for RNA/DNA amplification

Featuring a high efficiency filtration system that provides a particulate free atmosphere around the manipulation. A high energy UV light is used to decontaminate the worktop from biological cross-contamination between operations.

Particulate free workstation

- Protect against external contamination
- Internal air quality achieved by high efficiency particulate filter(s) (HEPA H 14 / ULPA U16)
- Carbon filter (optional) to protect handlings from VOCs present in the laboratory atmosphere

UV decontamination

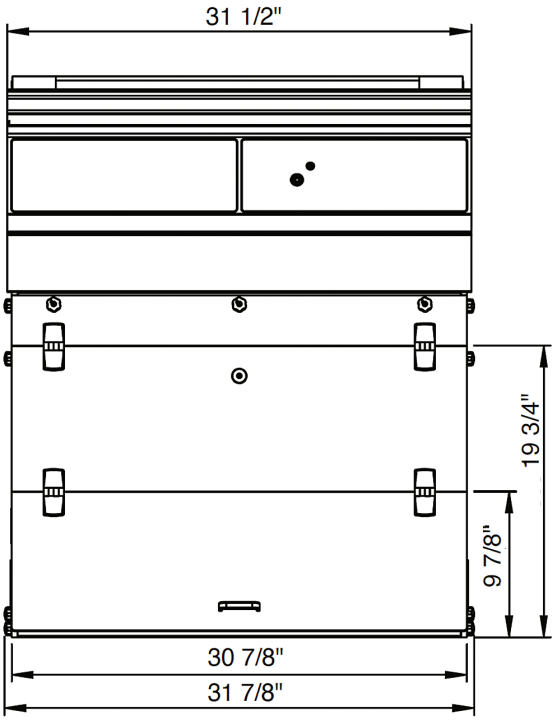
- Protect your samples from cross-contamination
- Powerful UV decontamination (254 nm lamp power)
- Adjustable timer
- Automatic UV lamp off switch in case the sash is opened when the UV light is on

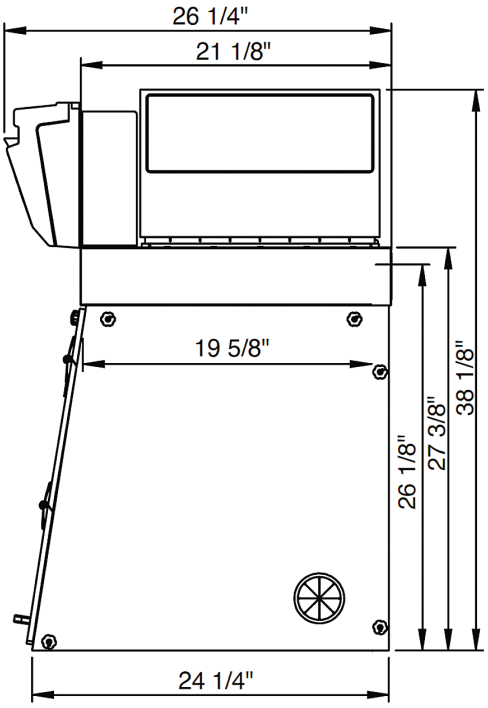
Easy to clean

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

Ergonomic design

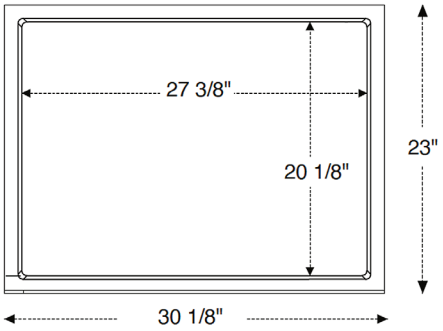
- Slanted sash provides an ergonomic position for comfort and productivity
- Compact tubular fluorescent lighting
- Side panel utility ports allow electrical cables and/or fluid lines to enter the enclosure with ease.



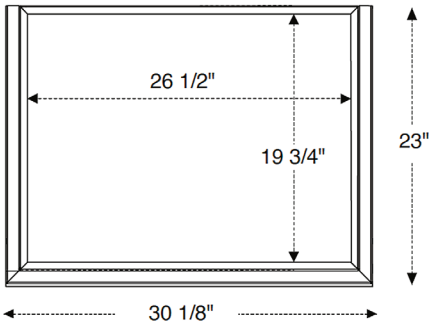


Please add 6" between the last filter and the ceiling to allow for good air recirculaton and to replace filters easily.

Work surfaces with built in spill tray

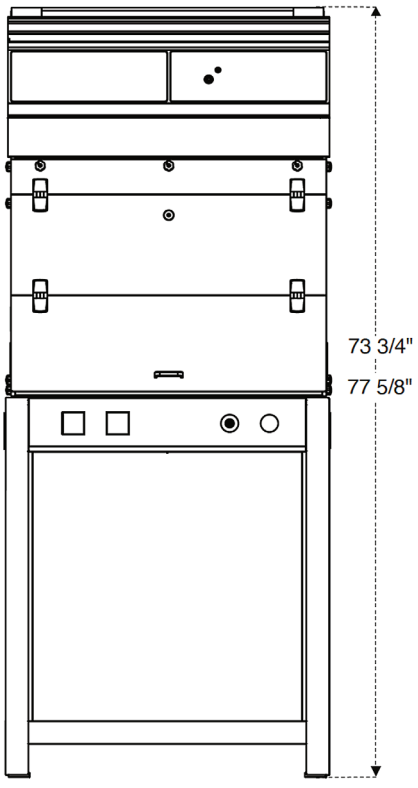


TRESPA®TopLab^PLUS



Stainless steel 304 L

Benchcap: fixed work bench



* For Mobicap: rolling cart deduct 1"

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CaptairBio 321

PCR Workstation
Avantor Cat.# 52428-824

Model	1P	1C1P
SAFETY STANDARDS	NF EN61010 - CE MARKING - EN 1822-1998 (HEPA H14 & ULPA U17 FIlters)	
External Width	31 7/8	
External Depth	24 1/4"	
External Height (min./max.)	38 1/8" - 42"	
Internal Width	30 7/8"	
Internal Depth (min./max.)	19 5/8" - 20 1/8"	
Internal Height	23 3/8"	
Voltage/Fequency (V-Hz)	100-240 / 50-60	
Air face velocity (m/s)	68 fpm	
Air flow (m^3/h)	117 cfm	144 cfm
Power Consumption (W)	40	45
Decibel Level (dBA)	54	57
Side and front panels	10 mm thick synthetic glass is designed to protect users from harmful UV rays and (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

Particulate filter (1P)	HEPA H14 : This filtration technology traps particles larger than 0.1 µm with 99.995% efficiencyaccording to the MPPS method set forth in the EN 1822-1 standard. ULPA U17 :This filtration technology traps particles larger than 0.1 µm with 99.999995% 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	Protect particulate filters from dust contaoned in the laboratory environment (only for 1P version)

Features

Bactericidal UV Lights	15W - Wavelength: 254 nm
	0.08 mJ/ s/cm^2
Internal lighting	LED - IP 44 - 6000k
	900 lux
Connectivity	RJ45 cable connection to view and change workstation settings (cable included)
Anemometer	Monitors a drop in pressure that indicates pre-filter or filter replacement is required
Side panel utility ports	2 per unit

Accessories

Benches	Rolling cart (Mobicap) or fixed bench (Benchcap)
Shelves	Internal metal sliding shelf (only for Benchap)
Worktop	TRESPA® TopLab^{PLUS}, Glass or 304L Stainless Steel
Molecode S	Automatic detection of VOC filter breakthrough

The Erlab Research and Development laboratory

About Erlab

Since 1968, **Erlab** has been a specialist, inventor and world leader in **ductless, zero-emission filtering fume hoods for laboratories** to provide total safety in chemical handling.

1 Erlab filtration

We provide technologies to protect laboratory staff from inhaling chemicals. This is made possible thanks to our Research and Development (R&D) department, which has continuously improved our filtration technology for more than 50 years. That's why, in 2009, we invented the ERLAB ABOVE label for tried and tested filtration technology.

2 The AFNOR NF X 15-211: 2009 standard

Erlab's filtration technology conforms to the NF X 15-211: 2009 standard, the industry's most demanding standard for molecular filtration, developed by a committee of independent scientists and specialized manufacturers.

This text imposes performance criteria linked to:

- Filtration efficiency
- Containment efficiency
- Air face velocity
- Documentation: chemical listing

3 The ESP program

A set of three services included with the purchase of each device designed to ensure your safety.

eValiQuest Risk analysis – Determination of protection needs – Determination of ergonomic needs.

ValiPass Certified installation – Total safety for handling.

ValiGuard Ongoing monitoring – Preventative and maintenance inspections – Device reconfiguration based on protection needs – Development of handling.

4 Flex technology

The combination of molecular and particulate filtration technologies allows a single device to meet laboratories' protection needs. This innovation from Erlab's R&D department offers unprecedented flexibility, versatility and value. A single device can be reconfigured over time and easily reassigned to other applications.

5 Smart technology

Smart technology is a simple and innovative means of communication that improves safety. This technology uses a light and sound signal to indicate the user's level of protection. The advantages of the technology are:

1/ Light pulsation: Real-time communication via LED light pulses intuitively alerts the user to the device's operating status.

2/ Simplicity: One-touch activation.

3/ Detection system: The exclusive detection system continuously monitors filtration performance.

4/ Built-in monitoring: This service provides direct access to the status, settings and history of your device.

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