

PREP CAP

Air Filtration and UV Decontamination for the Microlab Prep



Protects samples by removing 99.99% of airborne contaminants



UV-C lighting sterilizes the deck area to prevent contamination



Simple operation through the Prep's software system



Learn More

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Prep CAP

Hamilton's Prep CAP system delivers clean air to the Microlab Prep using a 99.99% efficient 0.3 µm HEPA filter, protecting samples from airborne contaminants. Integrated UV LEDs sterilize the Prep's interior to minimize contamination risks.

Features

- Prep CAP filters air through a 99.99% efficient 0.3 µm HEPA filter with pre-filter to protect the internal work area from contaminants.
- Airflow monitoring ensures reliable HEPA performance and alerts users to torn or dirty filters.
- 270 nm UV-C sterilizes the deck area to prevent contamination from DNA or biological materials such as bacteria, fungi, and other microorganisms.
- 270 nm UV-C emits at the peak effectivity for decontamination, providing a 30% higher dose rate.
- Active UV decontamination is indicated visually through the instrument lighting and UV lights turn off automatically when the door is opened for user safety.
- UV-C LED technology eliminates mercury and high-voltages from the system.
- LED technology increases bulb life cycle to 10,000 hours.
- Prep CAP is fully controlled through the Prep's software, including user-guided maintenance routines without the need for specialized tools.
- Prep CAP upgrade can be performed on existing Microlab Prep instruments.

Prep CAP	
Available Options	Part Number
ML Prep 2 Channels + Multi-Probe Head + Prep CAP	6600200-21
ML Prep 2 Channels + Prep CAP	6600200-22
Prep CAP Upgrade	6608900-01S
General Specifications	
Description	Specification
Physical Dimensions Including ML Prep (WxHxD)	572 x 716.3 x 665.5 mm (22.5 x 28.2 x 26.2 in)
Weight Including ML Prep	50 kg (110 lbs)
Communication Type	Direct Communication Through Prep UI
Operating Specifications	
Description	Specification
Input Power (Primary), Universal Supply	100-240 VAC, 50-60 Hz (Powered by ML Prep)
Output Power (Secondary)	500 W at 48 V
Operating Temperature Range	5°C to 35°C (41°F to 95°F)
Operating Relative Humidity	15%-85% (no condensation)
Storage Specifications	
Description	Specification
Storage Temperature Range	-20°C to 70°C (-4°F to 158°F)
Storage Relative Humidity	10%-90% (no condensation)
HEPA Filter Specifications	
Description	Specification
Max Airflow	47 CFM
Max Fan Speed	6400 RPM
UV LED Specifications	
Description	Specification
Emitted Peak Wavelength	270 nm
Lifespan	10,000 hours

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