

PCR Cabinet



Description

PCR cabinets are designed to reduce the risk of contamination while performing Polymerase Chain Reaction (PCR) experiments, it directs HEPA-filtered air downward over the work area to provide ISO Class 5 (formerly Class 100) conditions and protect your work during preparatory procedures and amplifications.

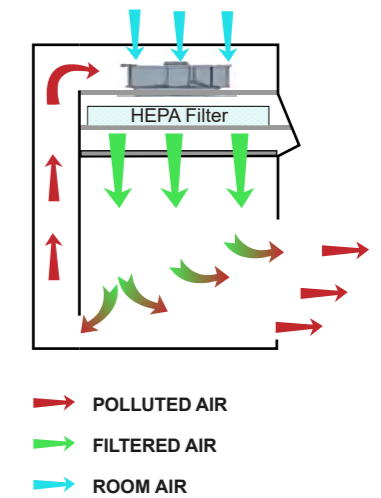
Safety Performance

- Front sliding sash interlock with fan and UV lamp.
- Front sash and side windows are made of UV-resistant tempered glass.
- The host and sockets have independent capacitors to prevent current overload.

Humanized design

- Standard shelves with IV bar.
- Memory function in case of power-failure.
- HEPA filter and UV life indicators facilitate a timely replacement plan.
- Easy-to-change pre-filter installed could extend the HEPA filter's life time.
- Equipped with temperature sensor to show the real temperature during operation.
- Waterproof socket provides convenience for small instruments to be used in the operating area.
- Perforations at the back wall of the work zone which are designed to eliminate air turbulence and the possibility of dead air corners in the work zone.

Airflow Pattern



LCD Display
(Real-time show the Airflow Velocity, Time, Temperature, UV life and Filter life etc.)



Waterproof Socket (IP54)



Shelf With IV Bar (Stainless Steel)



UV Lamp
(Emission of 253.7 nanometers for most efficient decontamination)



Base Stand (Optional)



Specification

Model	PCR-800	
External Size (W×D×H)	710×680×1050mm (Without Base Stand) 710×680×1680mm (With Base Stand)	
Internal Size (W×D×H)	610×590×625mm	
Work Surface Height	750mm	
Control System	Display	Microprocessor controller with LCD display, display the operating status of each function
	Interlock	Front sliding sash interlock with fan and UV lamp
	Life Indicator	HEPA filter and UV life indicators facilitate a timely replacement plan
Airflow System	Airflow Velocity	0.2~0.5m/s, Speed adjustable
	Pre-Filter	1pcs, Polyester fiber, washable
Air Filtration System	HEPA Filter	1 pcs, Efficiency: > 99.995% at particle size of 0.3μm
	Cleanliness Grade	ISO Class 5 (formerly Class 100)
	Partial Air Circulation	Perforations at the back wall of the work zone which are designed to eliminate air turbulence and the possibility of dead air corners in the work zone.
Cabinet Construction	Main Body	Electro-Galvanized steel with antimicrobial powder coating
	Work Surface	304 Stainless steel, an angled front, rounded work surface front edge
	Front Window	Manual sliding sash: 5 mm UV resistant tempered glass
Electrical System	UV Lamp	8W With timing function from 0 to 999 minutes Interlock with front sliding sash. Emission of 253.7 nanometers for best sterilization effect.
	LED Lamp	3.4W×1
	Consumption	149W (Not include socket loading power consumption)
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz
	Standard Accessory	≥500Lux
Sound Emission	≤62dB(A)	
Standard Accessory	1.LED Lamp; 2.UV Lamp; 3.Waterproof Socket×1; 4.Shelves with IV Bar; 5. Air Velocity Sensor.	
Optional Accessory	1.Base stand; 2.Gas Tap	
Net Weight	80kg (Without base stand), 130kg (With base stand)	
Gross Weight	115kg (Without base stand), 165kg (With base stand)	
Shipping Size (W×D×H)	920×855×1190mm	
Shipping Volume	0.94m ³	