

PCR Cabinet



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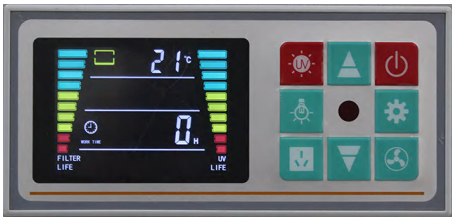
Advantage

- 1.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.
- 2. Variable digital timer that provides UV light exposure continuously or in user-selected increments of 15,30, 60,120 till 999 minutes to deactivate DNA and RNA contaminants.
- 3. Ergonomic Control Panel Location, centered and angled down for an easy reach & viewing.
- 4.The non-direct light source design can effectively relieve the operator's visual fatigue under the condition of ensuring the illumination.
- 5. Brushed stainless steel work surface is for easy cleaning.

Description

PCR cabinet are designed to reduce the risk of contamination while performing Polymerase Chain Reaction (PCR) experiments, it direct 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.

Accessories



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



Shelf with IV bar (Stainless Steel)



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



Waterproof Socket



Base stand (Optional)

Humanized design

- 1.Standard Shelves with IV bar
- 2.Memory function in case of power-failure.
- 3.HEPA filter and UV life indicators facilitate a timely replacement plan .
- 4.Easy-to-change pre-filter installed could extend the HEPA filter's life time.
- 5.Equipped with temperature sensor to show the real temperature during operation.
- 6.Waterproof socket provide convenience for small instruments to be used in the operating area.

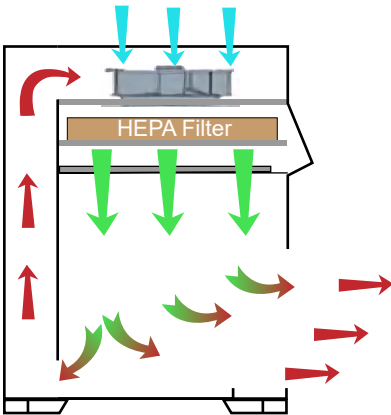
Safety Performance

- 1.Audio and Visual alarm on filter life, UV life etc
- 2.Front sliding sash interlock with fan and UV lamp.
- 3.Front sash and side windows are made of UV-resistant tempered glass.
- 4.The host and sockets have independent capacitors to prevent current overload.

Specification

Model		PCR-1100	PCR-1300	PCR-1600	PCR-1900
External Size (WxDxH)		1050x710x1850mm	1320x710x1850mm	1625x710x1850mm	1930x710x1850mm
Internal Size (WxDxH)		950x615x625mm	1220x615x625mm	1525x615x625mm	1830x615x625mm
Work Surface Height		750mm			
Control System		Microprocessor controller with LCD display, graphical and digital display of the operating status Audio and Visual alarm on filter and UV changing Front sliding sash interlock with fan and UV lamp HEPA filter and UV life indicators facilitate a timely replacement plan			
Air filtration system	Cleanness	ISO Class 5 (formerly Class 100)			
	Airflow Velocity	0.2~0.5 m/s, Speed adjustable,			
	HEPA Filter	1 pcs, Efficiency: > 99.995% at particle size of 0.3 μm			
	Pre-Filter	1 pcs, made of washable polyester fiber			
	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.			
Sound Emission		≤62dB(A)			
Illuminating Lamp		LED Type, Illumination ≥900Lx			
UV Decontamination System		With timing function from 0 to 999 minutes Interlock with front sliding sash. Emission of 253.7 nanometers for best sterilization effect.			
Power Consumption		20W*1	30W*1	30W*1	20W*2
		155W	285W	285W	300W
		External devices connected via power socket are not included.			
Cabinet Structure		Main body: Electro-Galvanized steel with antimicrobial powder coating Work zone: 304 Stainless steel, an angled front, rounded work surface front edge Manual front window and Side windows: 5 mm UV resistant tempered glass			
Power Supply		AC220V ±10%, 50/60Hz,1P			
Standard Accessories		Base stand; LED lamp; UV lamp; Waterproof socket×2; Shelves with IV bar			
Optional Accessories		Water Tap, Gas Tap, Height adjustable base stand			
Gross Weight		225kg	255kg	285kg	330kg
Shipping Size (W×D×H)		1190x990x1325mm	1460x990x1325mm	1765x990x1325mm	2070x990x1325mm
Shipping Volume (m³)		1.56	1.92	2.3	2.7

Airflow Pattern



- POLLUTED AIR
- FILTERED AIR
- ROOM AIR

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