

PCR Cabinet (PCR-01)

PCR Cabinet

Polymerase Chain Reaction (PCR) is a scientific technique in molecular biology to amplify a single or a few copies of a piece of DNA across several orders of magnitude, generating thousands to millions copies of a particular DNA sequence. PCR is now a common and often indispensable technique used in medical and biological research labs that are working with DNA and RNA. Because of the high copy number generated during PCR, it is essential to prevent possible contamination of the PCR reaction.

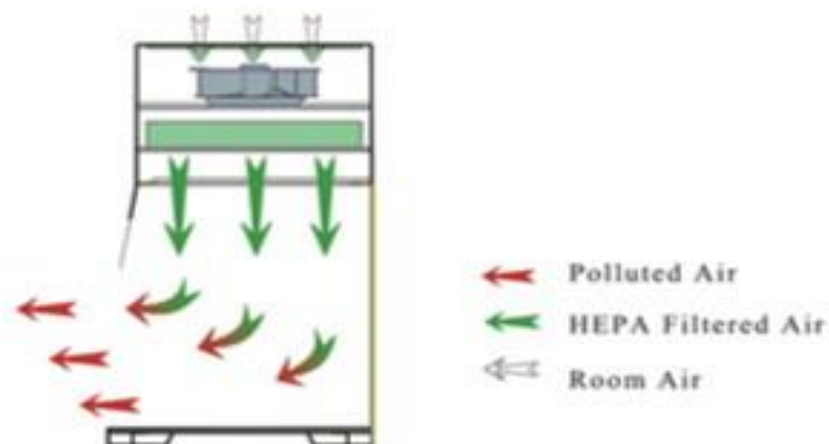
PCR Cabinet is an equipment that provides a partial clean air environment, its air flow is vertical. UV is effectively utilized in this cabinet. Downflow clean air protects against contamination by bathing the PCR apparatus in sterile air and limiting risk of contamination from the operator's arms, or from any equipment brought into the otherwise sterile environment. A positive pressure ensures that there is no ingress of airborne contaminants from the surrounding laboratory environment. Toughened glass windows offer exceptionally clear all round vision and do not allow transmission of UV.



Features:

1. UV sterilization system.
2. HEPA filter efficiency 99.999% at 0.3um.
3. LED display.
4. Audio alarm: filter replacement alarm.
5. Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
6. UV timer (1-99 minutes): When the set time expires, the UV lamp automatically switches off in preparation for the next experiment.

Air Pattern of PCR Cabinet:



Technical Parameters:

Model	PCR-01
External Size (W*D*H)	1000×695×1720mm
Internal Size (W*D*H)	996×685×630mm
Material	Main Body: Cold-rolled steel with anti-bacteria coating Work Table: 304 stainless steel
Side Panels	5mm toughened glass
Front Window	5mm toughened glass; Manual window.
Max Opening	400mm
Pre-filter	Polyester fiber, Washable
HEPA Filter	99.999% efficiency at 0.3um.
Air Speed	Adjustable airflow speed: 0.3-0.5m/s
Noise	≤60dB
UV Lamp	18W*2
Fluorescent Lamp	40W×1
Illumination	>800Lux
Shelf	One, Stainless steel
Shelf Size	495*140*55mm (W*D*H)
caster	Universal wheel with brake
Work Surface Height	700mm
Consumption	380W
Power Supply	110/220V±10%, 50/60Hz
Standard Accessory	UV lamp*3, Fluorescent lamp, Base stand, Waterproof socket, Shelf
Gross Weight	150kg
Package Size (W*D*H)	1165*870*1970mm