

## PCR-1S/2S PCR Laminar Flow Cabinet

### Feature

The PCR Cabinet extracts air from the laboratory, enters the operation area through a two-stage filtration system, forms a clean area, and finally discharges it into the laboratory, provides a sterile workplace to protect samples from airborne contamination.

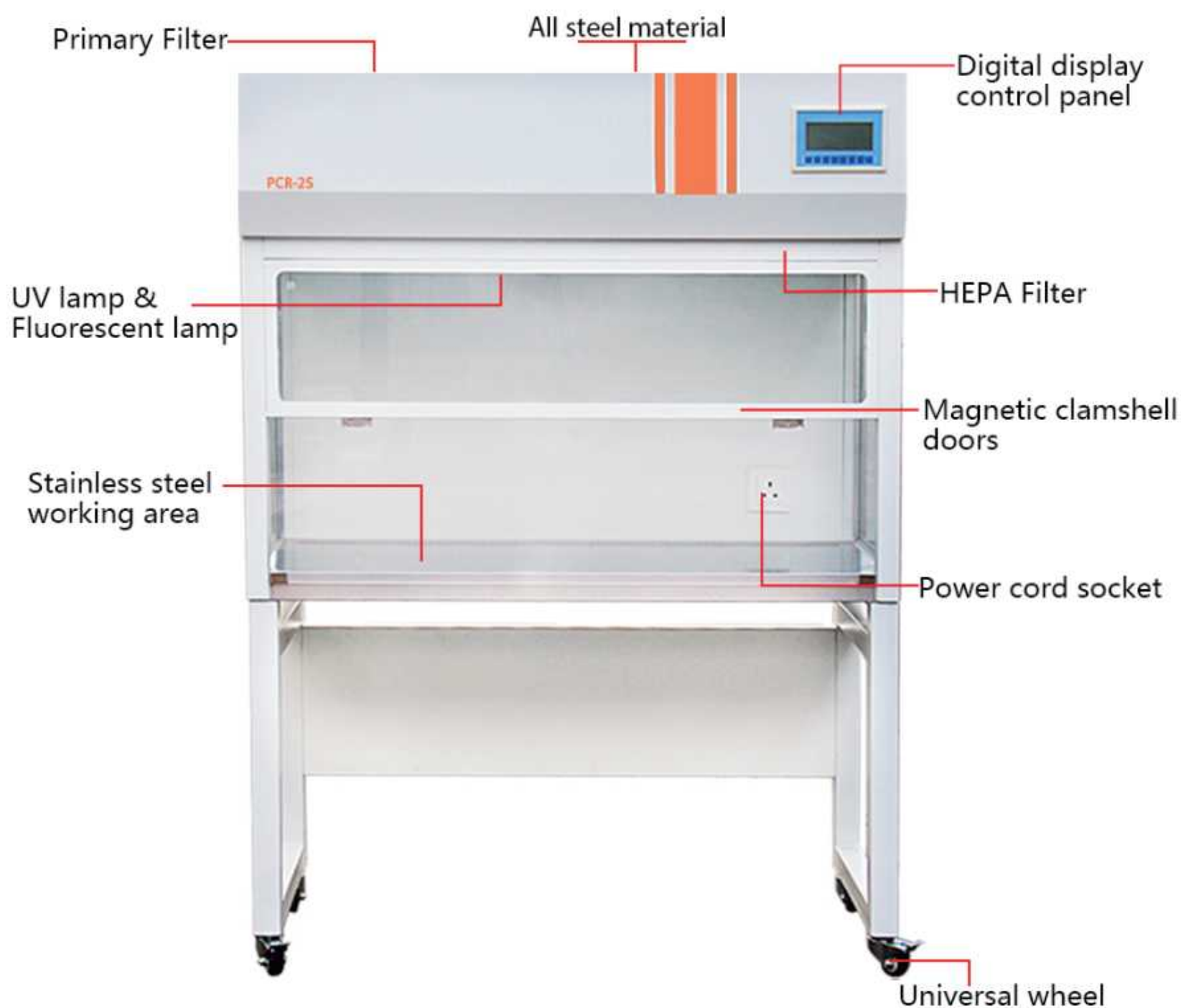
The PCR Cabinet is widely used in medicine and health, biopharmaceutical, food, medical science experiments, aseptic room experiments and other laboratories.



### Feature

- 1.The system includes a positive pressure HEPA filtration system, which can form an uninterrupted ISO Class 5 air clean area in the sample preparation area.
- 2.The chamber can accommodate tube racks, racks, pipettes, microcentrifuges and thermal cyclers.
- 3.The control system adopts intelligent microcomputer control, blue display screen, and digital indication of various parameter values.
- 4.The work surface is made of integrated stainless steel and easy to clean.
- 5.The 10° inclined operation surface at the front is more ergonomic and more comfortable to operate.
- 6.The quasi-closed table has a stepped design at the front end. When the front window is fully closed, it can more effectively prevent external gas from entering.
- 7.The lighting and sterilization system interlocking function, with a spare socket design, is safe and convenient to use.
- 8.The box body adopts cold-rolled steel plate spraying process, and the appearance is delicate.
- 9.The suspended lifting system glass door opens up and down, is easy to operate, and can be lifted and lowered freely, and can stay at any position. The double-sided perspective window design provides better lighting and a wider field of vision.
- 10.The HEPA filter is integrated, and the clean airflow covers the entire working area, with better wind speed and cleanliness.

## Structure



**Fluorescent lamp& UV lamp**

Equipped with high-brightness fluorescent lamps, safety interlocking of lighting and sterilization systems.



**LCD control panel**

Digital display control panel, three-speed adjustable for fast, medium and slow, more humanized design.



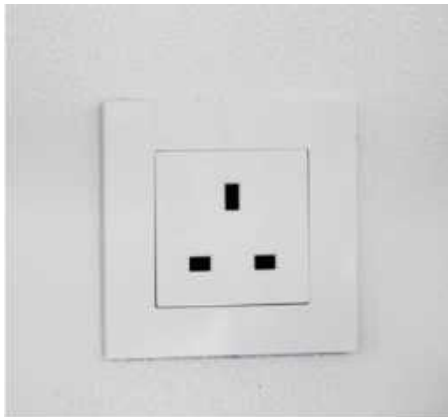
**Universal wheel**

The base is equipped with universal wheels to facilitate the movement of the clean bench.



**Copper core motor**

The motor has strong power, low heat generation, low noise, energy-saving and power-saving.



**Socket(Four options)**

The working area is equipped with sockets(four options are available)to facilitate the experiment plug-in needs.



**High efficiency filter**

HEPA Filter ensures a clean environment in the work area.

## Specifications

Model Spec.	PCR-1S	PCR-2S
Cleanliness	Class 100 @ $\geq 0.5 \mu\text{M}$ (U.S. Federal 209E)	
Number of colony	$\leq 0.5/\text{dish} \cdot \text{hour}$ ( $\Phi 90\text{mm}$ culture dish)	
Average wind speed	0.25 ~ 0.45m/s	
Noise	$\leq 62\text{dB}$ (A)	
Vibration half peak value	$\leq 5\mu\text{M}$ (x、y、z)	
Illuminance	$\geq 300\text{Lx}$	
Voltage	AC single phase 220V/50Hz	
Max power consumption	100W	500W
Weight	80kg	110kg
Work area size(W*D*H)(mm)	700×510×580	1150×510×580
Overall dimension(W*D*H)(mm)	860×590×1620	1310×590×1620
Application	For one person use	For two persons use
	One operation side	One operation side
HPEA specifications	685×455×50×①	1135×455×50×①
LED/UV lamp specifications	12W×①/20W×①	12W×①/30W×①