



## T-PCR-1S

# PCR LAMINAR FLOW CABINET

### Introduction

TOP INSTRUMENT PCR Laminar Flow Cabinet is a laboratory instrument used for providing a clean and sterile work environment for handling materials that are sensitive to contamination, such as PCR samples. It is commonly used in a wide range of applications such as molecular biology, genetics, and biotechnology research.

### Features

- The ultra-clean workbench for PCR draws 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.
- 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.
- The cavity can accommodate tube racks, racks, pipettes, microcentrifuges and thermal cyclers.
- The control system adopts intelligent microcomputer control, blue display screen, and digital indication of various parameters.
- The work surface is made of integrated stainless steel, which is easy to clean.
- The 10° inclined operation surface at the front is more ergonomic and more com-

fortable to operate.

- The quasi-closed table top has a stepped design at the front end. When the front window is completely closed, it can more effectively prevent the introduction of external air.
- Interlock function of lighting and sterilization system, with spare socket design, safe and convenient to use.
- The cabinet adopts cold-rolled steel plate spraying process, and the appearance is finely sprayed.
- The glass door of the hanging lifting system can be opened up and down, and the operation is convenient and flexible.
- Integrated design of built-in HEPA high-efficiency filter, the clean air flow covers the entire working area, and the wind speed and cleanliness are better.

### Technical Parameter

Cleaning level	Grade 100 $\geq$ 0.5 $\mu$ M (209E U.S. Federal)
Number of bacteria	$\leq$ 0.5per utensil.hour (90mm utensil)
The average wind speed	0.25~0.45m/s
Noise	$\leq$ 62dB (A)
Half ventilation peak value	$\leq$ 5 $\mu$ m (XYZ direction)
Illumination	$\geq$ 300LX
Power supply	AC, 220V/50Hz
Maximum power	100W
Weight	80kg
Dimension of working area (W1*D1*H1)	700*510*580mm
Overall dimension (W*D*H)	860*590*1620mm
Suited number	Single/Single
Efficient filter specifications and quantities	685*455*50* ①
Specification and number of fluorescent lamp or UV lamp of ultraviolet lights	12W* ① /20W* ①