

UV PCR CABINET + VERTICAL LAMINAR FLOW

Model PCR+FL 800

Features

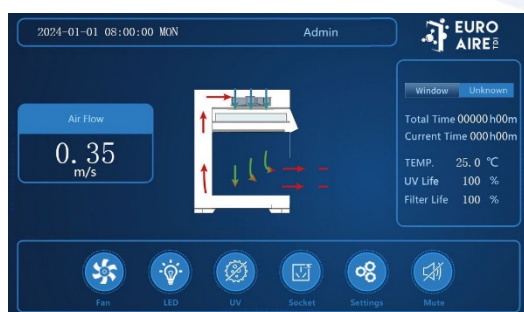
- *Polymerase Chain Reaction (PCR)* is a widely used technique in molecular biology, in which a single copy of a DNA fragment is amplified, generating thousands of copies of that same DNA sequence. Due to the high number of copies generated during the reaction, it is essential to prevent any possible contamination during the process.
- The PCR+FL Cabinet provides positive-pressure laminar flow combined with UV irradiation. The positive pressure prevents any external contaminants from entering the work area
- The work area and work surface are constructed of AISI 304 stainless steel.
- The forced-air flow is filtered through an H14 HEPA absolute filter (99.995% efficiency at MPPS, EN1822 standard) and is delivered to the work area at a speed adjustable between 0.2 and 0.5 m/s.
- The tempered glass on the sides and front provides exceptional visibility of all areas of the work surface and blocks external UV radiation, manually sliding tempered glass front panel.
- The cabinet is equipped with an easy-to-use touch panel 7" .



- UV sterilization system.
- Fluorescent and UV-blocking lighting.
- Operating voltage 220 V, 50/60 Hz. Maximum current consumption 1.6 A (approx. 380 W).
- The cabinet comes standard with a UV light and one 220-volt IP55 electrical outlet.
- UV timer: 1 to 99 minutes.

Optional Accessories:

- Unit support table.



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Model PCR+FL 800

Technical Specifications

MODEL		PRC+FL-800
Dimensions width x depth x height	Work area	610*590*625 mm
	External Dimensions	710*680*1050 mm WITHOUT TABLE 710*680*1680 mm WITH TABLE
	Transport	920 x 855 x 1190 mm
Weight		115 kg WITHOUT TABLE 165 kg WITH TABLE
Height to work surface		850 mm
Cab Constructio n Material	Work surface	AISI 304 stainless steel (AISI 316L optional)
	Cab body	Electro-galvanized steel with antimicrobial powder coating
	Front Glass	Manual, double-pane laminated tempered glass ≥ 5mm. UV-resistant.
	Side glass	UV-resistant tempered glass, 5 mm
Control system	Display	LCD touchscreen. Microprocessor with Flash memory
	Locking system	The front panel excludes the UV light and motor
	Filter life indicator	HEPA filter life indicators
Filtration System	Main filter	HEPA H14 absolute filter with 99.995% efficiency at 0.3 microparticles per second (mpps) according to EN 1822
	Pre-filter	1 G4 PRE-FILTER
	Air purity classification	Class 10 / ISO 4
	Air circulation	Perforations in the back wall to eliminate turbulence.
Laminar flow		0.3–0.50 m/s
Electrical system	Voltage	220 V/50 Hz Optional 110 V/60 Hz
	Maximum Power Consumption	149 W
		Does not include power consumption from the power outlet
	UV lamp	10W x 2 254-nanometer emission for more efficient decontamination, UV life indicator, UV timer
	LED lamp	8W x 1
Lighting		≥500 lux
Noise emission		≤60 dB(A)
Standard Accessories		1. LED lamp x 1; 2. UV lamp x 2; 3. Waterproof plugs x 1; 4. Bar with hooks.
Optional Accessories		1. Base stand, legs with wheels and brakes; 2. Gas/vacuum valve.

Order Information

Code	Description
440206-PCR+FL-800	UV PCR + Laminar Flow Cabinet Model PCR + FL800

"All information, specifications, dimensions, and electrical data shown in TDI's commercial documents and data sheets are for guidance only and are not binding; therefore, they are subject to change according to each customer's needs and provided that applicable regulations permit such changes."

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