



CABIN for PCR UV + LAMINAR FLOW

Model PCR+FL

GENERAL INFORMATION

- Polymerase Chain Reaction, PCR, is a widely used technique in Molecular Biology, where a 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 reaction.
- The PCR+FL cab offers positive pressure laminar flow combined with UV irradiation
- The work area and work surface is constructed of AISI 304 stainless steel.
- The driven air is filtered by an absolute HEPA H14 filter (efficiency 99.995 % MPPS En1822) and is sent to the work area at a speed of 0.45 m/s.
- Positive pressure prevents any external contaminant from entering the work area.
- Side and front tempered crystals provide exceptional insight into all points on the work surface and prevent external UV radiation.
- The cab is also equipped with a manual sliding front tempered glass, which prevents external radiation from UV personnel and allows vision of the interior.
- The cab comes with an easy-to-use touch panel.



TECHNICAL INFORMATION

- UV sterilization system.
- Exclusive fluorescent and UV lighting.
- HePA H14 Positive Pressure Vertical Laminar Flow.
 - Display de LED.
 - UV timer: from 1 to 99 minutes.
 - Working voltage 220 V. 50/60 Hz. Maximum current consumption 1.6A. (approx. 380 w.).
 - Standard cab Includes U.V. light; 1 220 volt electrical outlet.

Optional Accessories:

- Unit support table.



PRINCIPAL OFFICE

José Echegaray, 8 Local 1-3
28100 – Alcobendas – Madrid - Spain
Tel. +34 916 624 473 Fax.+34 916 624 469
www.tdi.es ventas@tdi.es

DELEGATIONS

Catalunya. Tel. +34 676 351 264
Galicia. Tel. +34 639 486 955
Andalucía. Tel. +34 639 481 756



CABIN for PCR UV+ LAMINAR FLOW

Model PCR+FL

TECHNICAL INFORMATION

MODELO	PCR+FL
Work area	900 x 595 x 560 mm
Exterior dimensions	1000 x 705 x 1770 (TABLE INCLUDED) mm
Transport dimensions	1165 x 870 x 1970 mm
Weight	150 kg
Material	Work surface constructed of AISI 304 stainless steel. Main cabin body made of epoxy painted steel.
Control System	microprocessor with flash memory
Display	LED
Main filter	Hepa H14 absolute filter with an effective of 99.9995% mpps according to EN1822
Prefiltro	Prefiltro G4
Laminar Flow	Adjustable 0.33 - 0.5 m/s
Side Crystals	5mm Tempered
Front Glass	Manual Sliding (5mm tempered glass with Max 400mm aperture)
Air purity rating	Class 10 / ISO 4
Sound level	<65 dB
Lighting	40W * 1 (> 800 LUX)
UV	18W * 2 UV lamps

ORDER INFORMATION

Reference	Description
425-PCR+FL	Cabin for PCR UV + LAMINAR FLOW Model PCR+FL 1000



PRINCIPAL OFFICE

José Echegaray, 8 Local 1-3
28100 – Alcobendas – Madrid - Spain
Tel. +34 916 624 473 Fax.+34 916 624 469
www.tdi.es ventas@tdi.es

DELEGATIONS

Catalunya. Tel. +34 676 351 264
Galicia. Tel. +34 639 486 955
Andalucía. Tel. +34 639 481 756