

UVC/T-M-AR PCR UV Cabinet

General Purpose, Stainless steel



Model	ES53513
Dimensions (H x D x W):	535 x 515 x 690mm
Construction:	Stainless steel frame and working area
Panels:	Glass w/ UV-protective film
Front opening w/ three adjustable positions:	Yes
Open UV lamp, 25W bactericidal, 254nm, ozone free:	1
Bactericidal air recirculator, 25 m ³ /h air flow exchange:	Yes
UV recirculator, 25W (efficiency >99% per 1 cycle):	1
Day light white lamp for workplace illumination 15W:	1
Radiation type:	Ultraviolet (253.7nm), ozone free
Optical transmission:	95%
Digital timer (non-stop) 1 min - 24 hrs:	Yes
Internal power outlets:	-
Internal working area:	645mm x 490mm
Flow rate:	7
Power consumption:	67W (0.3A)
Nominal operating voltage:	120 or 240 (50-60Hz)
Weight (net):	28.8kg

The UV cabinet/PCR workstation is an efficient general purpose stainless steel PCR UV cabinet workstation for carrying out short-term procedures.

The cabinets are equipped with an open UV lamp installed in the upper part of the hood. UV-radiation from these lamps effectively disinfects the working area chamber, inactivating DNA / RNA fragments during 15-30 minutes of exposure. The digital timer controls the duration of the direct UV irradiation. An additional daylight lamp provides a bright, clear working area.

Models are equipped with a high efficiency flow-type bactericidal UV cleaner-recirculator which provide constant decontamination inside the cabinet during operation. The UV cleaner-recirculator consists of UV lamp, dust filters and a fan. The recirculation effect increases the maximum density of the UV light making it sufficiently effective for DNA / RNA inactivation. The recirculator processes 360 UV-cabinet volumes per hour, creating permanently aseptic conditions within the cabinet.

Designed for robustness and ease of access, it features a built-in UV cleaner-recirculator to prevent unwanted contamination and to protect the user from direct UV light during manipulation.

Features:

- Built-in patented UV cleaner-recirculator both increases the maximum density of UV light and generates 25 m³/h air flow exchange - prevents unwanted contamination and protects the user from direct UV light during manipulation
- UV surface irradiation - via single 25W 254nm open UV lamp
- High intensity UV cleaner - 25m³/hour cleaner-recirculator continuous air flow with 1cm UV irradiation distance
- UV protection - UV-protective film on glass panels
- UV exposure controlled by 24h digital timer
- Convenient, easy to use digital timer for accurate control of UV exposure
- White lamp provides local illumination of the workplace to optimize visual control during operations
- Irradiated UV light automatic switch-off when door opened
- Front opening with three adjustable positions for ease of access
- Supplied with 1 access port and internal power socket

Applications:

- These PCR UV-cabinets are designed for clean operations with DNA samples and provide protection against contamination. They are not recommended for operations with dangerous infectious and viral materials as well as DNA / RNA amplification.