

# UVT-B-AR Economy PCR UV Cabinet



Model	ES53511
Weight:	32kg
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
Open UV lamp, 30W bactericidal, ozone free:	-
Bactericidal air recirculator, 25 m <sup>3</sup> /h air flow exchange:	Yes
UV recirculator, 25W (efficiency >99% per 1 cycle):	1
UV recirculator, 30W (efficiency >99% per 1 cycle):	-
White lamp for workplace illumination 15W:	1
White lamp for workplace illumination 30W:	-
Digital timer (non-stop) 0 to 24 hours:	Yes
Internal power outlets:	1
Internal working area:	645 x 490mm
Flow rate m <sup>3</sup> /h:	7
Nominal operating voltage V:	120 or 230 (50-60Hz)
Power consumption W:	67 (0.3A)

The UV cabinet/PCR workstation is an economical general purpose PCR UV cabinet in 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 UV light switches off automatically when door is opened. The model has a stainless steel work surface, metal framework and shock proof glass panels.

The built-in UV cleaner-recirculator both increases the maximum density of UV light and generates 25 m<sup>3</sup>/h air flow exchange - prevents unwanted contamination and protects the user from direct UV light during manipulation. 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.

The digital timer controls the duration of the direct UV irradiation. An additional daylight lamp provides a bright, clear working area.

#### Features:

- 1 x 25W 254 nm open UV lamp
- High intensity UV cleaner - 25m<sup>3</sup>/hour cleaner-recirculator continuous air flow with 1cm UV irradiation distance
- 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
- Automatic switch-off of irradiated UV light when door opened
- Supplied with 1 access port and internal power socket

#### Applications:

- Life science - germicidal and virucidal, inhibition of DNA and RNA contamination, applications requiring no residual decontaminates such as disinfectants, operations with DNA/RNA amplicons, microbial research.