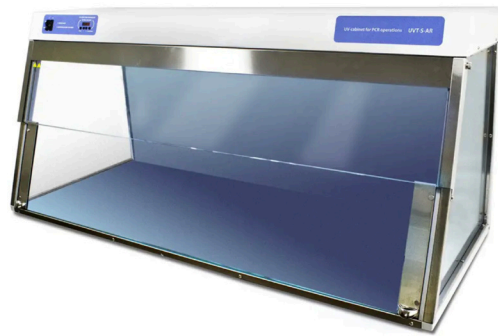


UVT-S-AR PCR Workstation



Model	ES53515
Dimensions (H x D x W):	585 x 585 x 1245mm
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:	-
Open UV lamp, 30W bactericidal, ozone free:	2
Bactericidal air recirculator, 25 m ³ /h air flow exchange:	Yes
UV recirculator, 25W (efficiency >99% per 1 cycle):	-
UV recirculator, 30W (efficiency >99% per 1 cycle):	1
White lamp for workplace illumination - 15W:	-
White lamp for workplace illumination - 30W:	1
Radiation type:	Ultraviolet (253.7nm), ozone free
Optical transmission:	95%
Digital timer (non-stop):	0 to 24 hrs
Internal power outlets:	3
Internal working area:	1210 x 500mm
Flow rate:	70 m ³ /h
Power consumption - 230V:	530W (4.5A)
Power consumption - 120V:	315W (1.4A)
Nominal operating voltage:	120 (60Hz) or 230 (50Hz)
Weight:	58kg

The UV cabinet/PCR workstation is a large capacity stainless steel PCR UV cabinet workstation with additional space for equipment and accessories to allow for more comfortable and convenient working in PCR applications.

These 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.

They 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.

Features:

- Robust construction with large working area, 1.2m x 0.52m working area
- UV surface irradiation - dual 30W 254 nm UV lamp
- 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
- Front opening with three adjustable positions for ease of access
- White lamp provides local illumination of the workplace to optimize visual control during operations
- Built-in 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
- Automatic switch-off of irradiated UV light when door opened
- Ample additional space for equipment and comfortable working
- Supplied with 1 access port and 3 internal power sockets

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.