



UVC/T-AR

BOECO PCR WORKSTATION WITH UV AIR RECIRCULATOR, TYPE UVC/T-AR

For the preparation of PCR reactions and many other methods in molecular biology, a contamination-free working environment is required. The UVC/T-AR PCR Workstation is designed for DNA/RNA decontamination in the Laboratory working place.

The UVC/T-AR is a Bench top model, constructed from metallic skeleton and Plexiglas and has a painted metal working place and a digital timer control of UV exposure. One open 15 W UV-lamps substantially decreases contamination level during UV-exposure (15-20 min).

White 15 W lamp provides local illumination of the working place and ensures good conditions for visual control of operation.

The Model UVC/T-AR includes not only traditional UV source for direct lighting the surface of the inner working place of the PCR-box, but also additional UV air flow cleaner (UV - recirculator) for biosafety DNA decontamination to protect the user from direct UV-light during operation.

UV-recirculator consists of a UV lamp, fan and dust filters organized in special box for maximum increasing (1000 x fold) density of UV-light leading sufficiently to effectivity of DNA inactivation. UV-recirculator generates 100 volumes of the PCR per 1 hour air flow exchange giving maximum aseptic conditions inside the Box.

Advantages

No HEPA filters-Ozone free high density UV decontamination
Long Living UV Lamps (8000 hrs)-No Noise, low energy consumption-
Compact bench top for Personal labs

The PCR workstation UVC/T-AR is recommended for labs working in the fields of DNA analysis, genetic engineering, molecular biology.

Specification

Direct UV-lamp light:	TUV 15 W (long life -8000hr) under timer control, one open UV lamp)
Radiation type:	Ultraviolet (254 nm), ozone free UV-recirculator under control of the switch 2 located on the front panel of the Box
Visible light lamp:	TLD 15W for lighting of the working place of the Box
Plexiglass type:	Polymethylmethacrylate, Altuglas EX5.5.
Optical transmission (visible light):	92%
UV-protection:	Provided
Thickness of plexiglass:	sides 4 mm upper front side 8 mm
LED time controller of UV-exposure:	0 - 24 h
Working place:	650x475 mm
Overall size:	690x515x555 mm
Power:	230 V, 50/60 Hz, 60W
Weight:	27.0 kg

Code	Description
BOE 8040000	PCR Workstation UVC/T-AR, 230V, 50/60 Hz