

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 25 W UV-lamp substantially decreases contamination level during UV-exposure (15-30 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 a 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 25W G13 UV-C Special Philips
Radiation type:	Ultraviolet (254 nm), ozone free
UV-lamp life time:	9000 hrs
UV-recirculator:	TUV 25W G13 UV-C Special Philips
Digital time setting of direct UV-exposure	1 min - 24 hrs
Luminiescent (visible light lamp)	15W/830 G13 Philips
Plexiglass type:	Polymethylmethacrylate
Optical transmission:	92 %
UV-protection:	99,9%
Thickness of plexiglass sides:	4 mm
Thickness of upper front side:	8 mm
Thickness of protective front screen:	8 mm
Working place:	650x475 mm
Overall size:	690x535x555 mm
Power:	100-240 V, 50/60 Hz, 67 W
Weight:	21,2 kg

Code	Description
BOE 8040000	PCR Workstation UVC/T-AR, 100-240 VAC, 50/60 Hz



UVC/T-AR