

UVC/T-AR, DNA/RNA UV-cleaner box



DESCRIPTION

DNA/RNA UV-cleaner box **UVC/T-AR** is designed for clean operations with DNA samples. UV-cleaner box provide protection against contamination.

Model is a bench-top type, made of metal framework, plexiglas walls and working surface painted with powder enamel.

UV-cleaner boxes are equipped with an open UV lamp installed in the upper hood. UV-radiation from the open lamps disinfects the working area inactivating DNA/RNA fragments during 15–30 min of exposure. A digital timer controls duration of the direct UV irradiation. A daylight lamp provides proper illumination of the working surface.

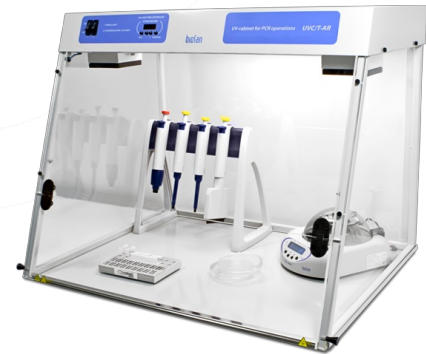
UV-cleaner boxes are equipped with a flow-type bactericidal UV cleaner–recirculator AR, which provides constant decontamination inside the box during operation. They are recommended for operations with DNA/RNA amplicons.

UV cleaner–recirculator AR consists of a UV lamp, a fan and dust filters organized in a special body so that a user working with a UV-cleaner box is protected against UV light. Recirculator increases the maximum density of UV light making it sufficiently effective for DNA/RNA inactivation. The UV–recirculator processes 100 UV-cleaner box volumes per hour, creating permanent aseptic conditions of operation inside the UV-cleaner box.

Specially assigned moving tables **T-4** (with wheel locks) with a drawer are available on request.

Advantages of Biosan UV-cleaner boxes:

- Ozone free high density UV decontamination
- Long living UV lamps (9,000 hours average)
- Automatic switch off of UV-lamps when the protective screen is opened
- Bactericidal flow-type recirculator providing permanent decontamination inside UV-cleaner box during operation
- Low noise, low energy consumption
- Tables for installation of UV-cleaner boxes
- UV-cleaner boxes with the bactericidal UV cleaner–recirculator AR is the patented Biosan solution



CAT. NUMBER

| | |
|---------------|------------------------------|
| BS-040102-AAA | 100-240VAC 50/60Hz Euro plug |
| BS-040102-AAB | 100-240VAC 50/60Hz UK plug |
| BS-040102-AAC | 100-240VAC 50/60Hz US plug |
| BS-040102-AA3 | 100-240VAC 50/60Hz AU plug |
| BS-040102-AK | IQ OQ document |
| BS-040102-BK | PQ document |

SPECIFICATIONS

| | |
|---|---|
| Walls material | Plexiglas: Polymethyl methacrylate ALTUGLAS EX |
| Working surface material | Steel with chemicals resistant powder coating |
| Open UV-lamp | 1 x 25W built-in bactericidal, TUV25WG13 UV-C |
| UV radiation level | 15 mW / cm ² / sec |
| Radiation type | UV ($\lambda = 253.7$ nm), ozone-free |
| Digital time setting of direct UV exposure | 1 min–24 hrs / non–stop (increment 1 min) |
| UV-recirculator | 1x25W (efficiency >99% per 1 hour) |
| Daylight lamp (for working area illumination) | 1 x TLD-15W |
| Thickness of side panels | 4 mm |
| Thickness of upper front panel | 8 mm |
| Thickness of screen | 8 mm |
| Optical transmission | 92% |
| UV protection | >99.90% Polymethyl methacrylate ALTUGLAS EX |
| Working area | 645 × 490 mm |
| Opening dimensions (fully raised protective screen) | 645 × 165 mm |
| Safety features | Automatic open UV-lamp switch off when screen is open |
| Power outlets inside the unit | Inlet for power cords |
| Overall dimensions (W×D×H) | 720 × 535 × 555 mm |
| Weight (net / gross) | 23 / 33 kg |
| Power consumption | 67 W |
| Nominal operating voltage | 100-240 V, 50/60Hz |
| Optional table | T-4 (800 × 600 × 750 mm) |

ACCESSORIES



T-4
BS-040101-BK
Table

New modular design of laboratory furniture provides flexibility and ease of use.



LF-1
BS-050101-BK
Drawer unit

New modular design of laboratory furniture provides flexibility and ease of use.



PDS-250
BS-040107-DK
DNA/RNA Decontamination
Solution
DNA/RNA Decontamination
Solution.