

UVT-S-AR, DNA/RNA UV-cleaner box

DESCRIPTION

DNA/RNA UV-cleaner box **UVT-S-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, glass walls, working surface made of stainless steel.

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-4L** (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
- Shockproof glass walls
- 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



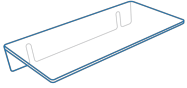
CAT. NUMBER

| | |
|---------------|---|
| BS-040107-AAA | 100-240VAC 50/60Hz Euro socket, Euro plug |
| BS-040107-AAB | 100-240VAC 50/60Hz UK socket, UK plug |
| BS-040107-AA7 | 100-240VAC 50/60Hz US socket, US plug |
| BS-040107-A04 | 100-240VAC 50/60Hz AU socket, AU plug |
| BS-040107-AK | IQ OQ document |
| BS-040107-CK | PQ document |

SPECIFICATIONS

| | |
|---|---|
| Walls material | Rear: stainless steel Sides and front: glass (EUROGLASS, Germany) |
| Working surface material | Stainless steel |
| Open UV-lamp | 2x30W built-in bactericidal UV-C, TUV 30W 1SL/25 |
| UV radiation level | 18 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 | 1 x 30W (efficiency >99% per 1 hour) |
| Daylight lamp (for working area illumination) | 1 x TLD-30W |
| Thickness of side panels | 4 mm |
| Thickness of upper front panel | 8 mm |
| Thickness of screen | 5 mm |
| Optical transmission | 95% |
| UV protection | >96%, UV-protection film |
| Working area | 1210 × 500 mm |
| Opening dimensions (fully raised protective screen) | 1210 × 190 mm |
| Safety features | Automatic open UV-lamp switch off when screen is open |
| Power outlets inside the unit | 3 Built-in sockets max. 1000 W and inlet for power cords |
| Overall dimensions (W×D×H) | 1250 × 600 × 590 mm |
| Weight (net / gross) | 58 / 68.5 kg |
| Power consumption | 135 W |
| Nominal operating voltage | 100-240 V, 50/60Hz |
| Optional table | T-4L (1290 × 600 × 770 mm) |
| Optional drawer unit | LF-1 (300 × 450 × 705 mm) |

ACCESSORIES



F-1
BS-040104-DK
shelf

F-1, shelf



P-5
BS-040104-CK
shelf for pipettes

P-5, shelf for pipettes



T-4L
BS-040107-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.



PDS-10L
BS-040107-FK
DNA/RNA Decontamination
Solution 10l

DNA/RNA Decontamination
Solution.