

# 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 boxes 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
	Disassembled for compact transportation
BS-040102-AA9	100-240VAC 50/60Hz Euro plug
BS-040102-A10	100-240VAC 50/60Hz UK plug
BS-040102-A11	100-240VAC 50/60Hz US plug
BS-040102-A12	100-240VAC 50/60Hz AU plug

## 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 UV-C, TUV 25W 1SL/25
UV radiation level	18 mW / cm <sup>2</sup> / 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.



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

DNA/RNA Decontamination  
Solution.