

# 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 <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	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)