

## 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, TUV30WG13 UV-C
UV radiation level	15 mW / cm <sup>2</sup> / s
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	1200 × 520 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)	1245 × 585 × 585 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



**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

Contamination is especially problematic in the highly sensitive PCR technique. Originating from aerosolized fragments, contaminant DNA can lead to cross contamination thus resulting in inaccurate data and as a result ...

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