

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. NR.

	UVT-S-AR incl. power cord
BS-040107-AAA	230VAC 50/60Hz Euro plug
BS-040107-AAB	230VAC 50/60Hz UK plug
BS-040107-AA3	230VAC 50/60Hz AU plug
BS-040107-AA7	100VAC 50/60Hz US plug
BS-040107-AAC	120VAC 60Hz US plug

BS-040107-BK	T-4L, Table
BS-050101-CK	T-4L-P, Table with shelves
BS-050101-BK	LF-1, Drawer unit
-----	Optional accessories
BS-040107-DK	<u>PDS-250, DNA/RNA removing solution, 250ml</u>

SPECIFICATION

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 ² / 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)

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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 x 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
Nominal operating voltage	100-240 V, 50/60Hz
Power consumption	135 W
Overall dimensions (WxDxH)	1245 x 585 x 585 mm
Weight (net / gross)	58 / 68.5 kg
Optional table	T-4L (1290 x 600 x 770 mm)
Optional drawer unit	LF-1 (300 x 450 x 705 mm)

BS-040107-AK	IQ OQ document
BS-040107-CK	PQ document