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Medical-Biological Research & Technologies

UVC/T-M-AR, DNA/RNA UV-cleaner box

Premium Product Class

DESCRIPTION

DNA/RNA UV-cleaner box**UVC/T-M-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-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
- 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-040104-AAA	100-240VAC 50/60Hz Euro plug
BS-040104-AAB	100-240VAC 50/60Hz UK plug
BS-040104-AAC	100-240VAC 50/60Hz US plug
BS-040104-AA3	100-240VAC 50/60Hz AU plug
With built in socket	With built in socket
BS-040104-A06	100-240VAC 50/60Hz Euro socket, Euro plug
BS-040104-A07	100-240VAC 50/60Hz UK socket, UK plug
BS-040104-A08	100-240VAC 50/60Hz US socket, US plug
BS-040104-A24	100-240VAC 50/60Hz AU socket, AU plug
BS-040104-AK	IQ OQ document
BS-040104-BK	PQ document

SPECIFICATIONS

Walls material	Rear: stainless steel Sides and front: glass (EUROGLASS, Germany)
Working surface material	Stainless steel
Open UV-lamp	1 x 25W built-in bactericidal, TUV25WG13 UV-C
UV radiation level	15 mW / cm2 / sec
Radiation type	UV (λ = 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	4 mm
Optical transmission	95%
UV protection	>96%, UV-protection film
Working area	650 × 475 mm
Safety features	Automatic open UV-lamp switch off when screen is open
Power outlets inside the unit	Inlet for power cords or optional 1x Built-in socket, max. 1000 W (pls, order respectively)
Overall dimensions (W×D×H)	690 × 535 × 555 mm
Weight (net / gross)	28.8 / 39 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

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 misinterpreted

analysis.

PDS-250 is ready-to-use solution for eliminating DNA, RNA, DNases and RNases from surface prior PCR reaction preparation. DNA/RNA is removed within seconds after use. The solution contains a surfactant and a non-alkaline and non-carcinogenic agent. PDS-250 is intended for use at PCR cabinets and laminars (e.g. UVT-S-AR), lab devices - Biomagpure 12, TS-100, pipettors - Assist series piettes, etc.

Benefits - Highly effective
PDS-250 is effective against amplicon, plasmid, or genomic DNA and RNA from most surfaces with the exception of light or non-ferrous metals (e.g. aluminium, copper, lead, nickel, tin, titanium, zinc etc.).

PDS-250 is ready-to-use for eliminating DNA and RNA from suitable surfaces. Fast and easy decontamination; The use of PDS-250 both before and after PCR analysis is fast, easy and ideal to maintain a clean work area and thereby saves time and expenses.

PDS-250 is heat resistant and stable for several years

Recommended Use: Applicable in research and industry only. Not recommended for clinical applications. Use as directed. PDS-250 should be applied on glass, ceramic, plastic, rubber, steel and precious metal. PDS-250 cannot be used for the cleaning of light or non-ferrous metals. To avoid damage or discoloration, it is recommended to spot test sensitive surfaces prior to use.