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UVT-B-AR, PCR cabinet

Basic Plus
Product Class

DESCRIPTION

The Biosan **UVT-B-AR** is a benchtop DNA/RNA UV-cleaner workstation designed to create a clean, contamination-free environment for PCR setup and other nucleic acid–related workflows.

This model features a dual UV decontamination system: an open 254 nm UV-C lamp for surface and air disinfection, inactivating DNA/RNA contaminants, viruses, and bacteria within 15–30 minutes, and a patented UV air recirculator for continuous internal air irradiation. The recirculator processes the entire cabinet volume approximately 100 times per hour, ensuring clean working conditions without exposing users to UV light.

A touchscreen digital control panel simplifies operation by allowing intuitive programming of UV exposure cycles and real-time monitoring of lamp life. An energy-efficient 8W LED daylight lamp delivers bright workspace illumination while reducing energy consumption by ~50% compared to traditional fluorescent lighting.

Key Features:

- High-intensity, ozone-free UV sterilization: 25 W UV-C lamp (253.7 nm) with ~9,000 h lifespan
- Patented UV air recirculatory: processes 20 m³/h for continuous internal decontamination
- Reliable safety control: automatic UV shut-off when the protective screen is opened
- UV-blocking panels: >96% UV protection ensures operator safety
- Ergonomic, durable design: metal frame, stainless-steel interior, and UV-resistant materials
- Digital touchscreen interface: for timer control, lamp status, and maintenance alerts
- Built-in power socket and cable inlet: for operating small lab equipment inside
- Low noise, low energy consumption: quiet fan system and efficient operation
- Compatible with mobile T-4 tables with locking wheels and integrated drawer as well as with LT-120, LT-150, LT-180 height adjustable desks.

CAT. NUMBER

With built in socket and inlet for power cords	With built in socket and inlet for power cords
BS-040109-A20	100-240VAC 50/60Hz Euro socket, Euro plug
BS-040109-A21	100-240VAC 50/60Hz UK socket, UK plug
BS-040109-A23	100-240VAC 50/60Hz US socket, US plug
BS-040109-A24	100-240VAC 50/60Hz AU socket, AU plug

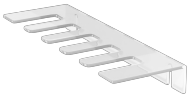
SPECIFICATIONS

Digital display & Lamp life timer	+
Display	3.5", medical glove compatible
Walls material	Rear: stainless steel, Sides: steel with chemical resistant powder coating Front: glass (EUROGLASS, Germany)
Working surface material	Stainless steel
Open UV-lamp	1 x 25W built-in bactericidal UV-C, TUV 25W 1SL/25
UV radiation level	18 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 LED-8W
Thickness of side panels	2 mm
Thickness of upper front panel	8 mm
Thickness of screen	4 mm
Optical transmission	95%
UV protection	>96%, UV-protection film
Working area	645 × 490 mm
Opening dimensions (fully raised protective screen)	645 × 190 mm
Safety features	Automatic open UV-lamp switch off when screen is open
Power outlets inside the unit	Inlet for power cords and 1x Built-in socket, max. 1000 W
Overall dimensions (W×D×H)	700 × 580 × 555 mm
Weight (net / gross)	28.8 / 37.5 kg
Power consumption	64 W
Nominal operating voltage	100-240 V, 50/60Hz
Optional table	T-4 (800 × 600 × 770 mm)

ACCESSORIES

F-1
BS-040104-DK
shelf

F-1, shelf



P-5
BS-040104-CK
shelf for pipettes

P-5, shelf for pipettes

LT-120
BS-040107-EK
Height adjustable desk

Height adjustable desk
<-> 120 cm

LT-150
BS-040107-JK
Height adjustable desk

Height adjustable desk
<-> 150 cm

LT-180
BS-040107-HK
Height adjustable desk

Height adjustable desk
<-> 180 cm

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.