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# UVT-S-AR, PCR cabinet

Premium Product Class

## DESCRIPTION

The Biosan **UVT-S-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 12W LED daylight lamp delivers bright workspace illumination while reducing energy consumption by ~50% compared to traditional fluorescent lighting.

Transparent glass side panels increase user comfort by improving visibility inside the cabinet.

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
- Transparent glass side walls: for enhanced visibility and user comfort
- 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-4L tables with locking wheels and integrated drawer as well as with LT-150, LT-180 height adjustable desks.

## CAT. NUMBER

| | |
|---|---|
| BS-040107-A07 | 100-240VAC 50/60Hz Euro socket, Euro plug |
| BS-040107-A08 | 100-240VAC 50/60Hz UK socket, UK plug |
| BS-040107-A10 | 100-240VAC 50/60Hz US socket, US plug |
| BS-040107-A11 | 100-240VAC 50/60Hz AU socket, AU plug |

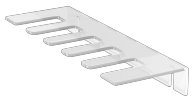
## SPECIFICATIONS

| | |
|---|---|
| Digital display & Lamp life timer | + |
| Display | 3.5", medical glove compatible |
| Walls material | Rear: stainless steel Sides 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 / 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 | 1 x 30W (efficiency >99% per 1 hour) |
| Daylight lamp (for working area illumination) | 1 × LED-12W |
| 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) | 51 / 62 kg |
| Power consumption | 113 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

**F-1**
BS-040104-DK
shelf

F-1, shelf



**P-5**
BS-040104-CK
shelf for pipettes

P-5, shelf for pipettes

**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-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

DNA/RNA Decontamination Solution.

**PDS-10L**
BS-040107-FK
DNA/RNA Decontamination Solution 10l

DNA/RNA Decontamination Solution.