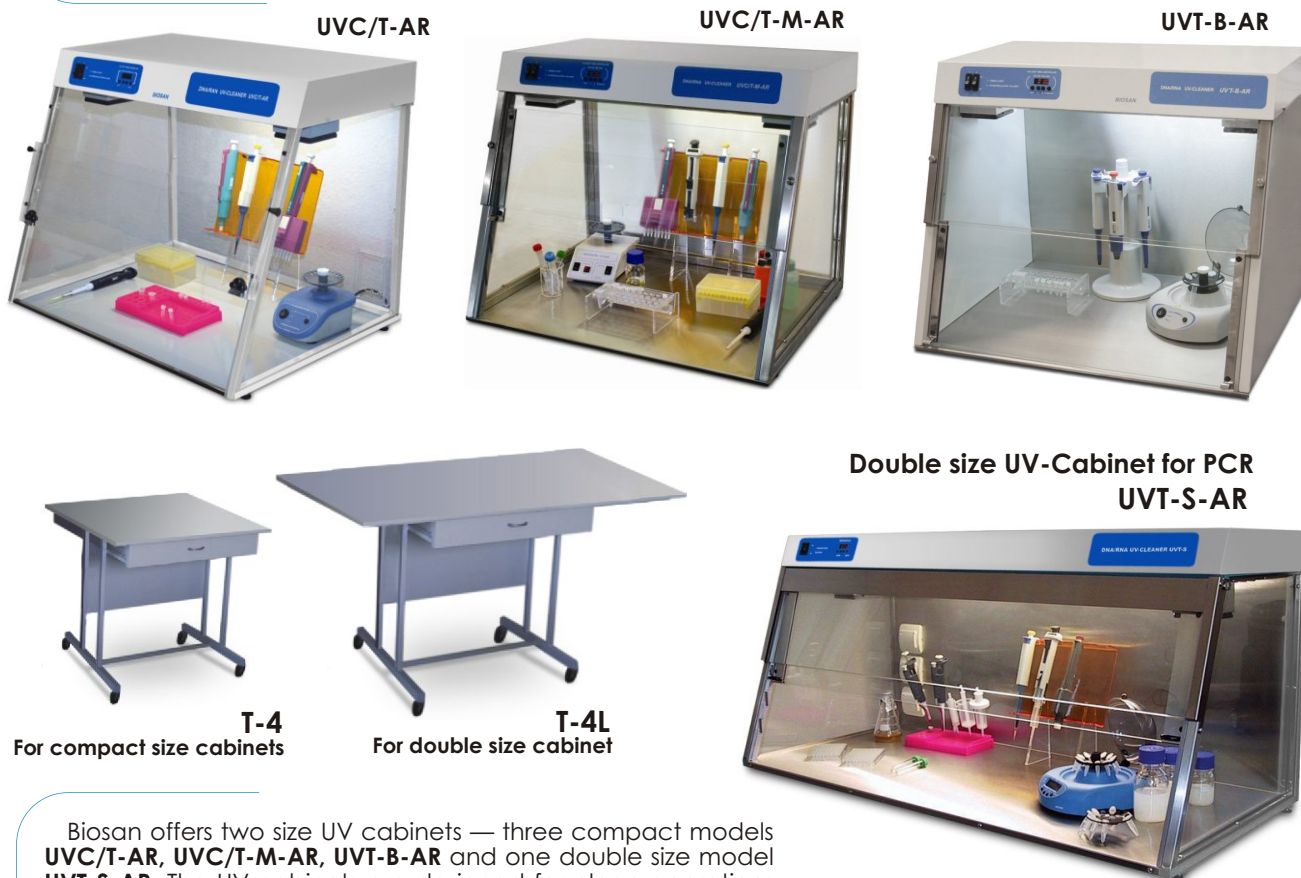


## DNA/RNA UV-cleaner boxes



**T-4**  
For compact size cabinets

**T-4L**  
For double size cabinet

Biosan offers two size UV cabinets — three compact models **UVC/T-AR**, **UVC/T-M-AR**, **UVT-B-AR** and one double size model **UVT-S-AR**. The UV-cabinets are designed for clean operations DNA samples and provide protection against contamination in the isolated sterile area inside them.

All models are bench top type, made of metal framework, glass (or plexiglass) walls and working surface of painted metal or stainless steel (please, see the specifications table on the next page).

UV-cabinets are equipped with an open UV lamp (**UVT-S-AR** model — two lamps) installed in the upper hood. UV-radiation from the open lamps disinfects the working area destructing DNA/RNA fragments during 15 – 30 min of exposure controlled by a digital timer. A daylight lamp provides proper illumination of the working surface.

All models are equipped with a bactericidal UV cleaner-recirculator, which provides constant decontamination by processing air inside the cabinet during operation. Recommended for operation with dangerous infectious and viral materials, DNA amplicons and prions.

UV cleaner-recirculator consists of a UV lamp, fan and dust filters organized in a special body so that the user working in the UV-cabinet is protected against UV light. The recirculator increases the maximum density of UV-light leading sufficiently to effective DNA /RNA inactivation. UV-recirculator processes 50 UV-cabinet volumes per hour, creating constantly aseptic conditions of operation inside the UV-cabinet.

**Double size UV-Cabinet for PCR**  
**UVT-S-AR**

### Advantages:

- Ozone free high density UV decontamination
- Long living UV lamps (8000 hours average)
- Automatic open UV-lamps switch off when the protective screen is open
- Low noise, low energy consumption
- UV-cabinets with the bactericidal air recirculator are the patented Biosan solution
- Shockproof glass walls
- Optional support tables with drawer

# SPECIFICATION

Model	UVC/T-AR	UVC/T-M-AR	UVT-B-AR	UVT-S-AR
Open UV-lamp	1 x 25W Bactericidal (Philips) TUV25WG13 UV-C	1 x 25W Bactericidal (Philips) TUV25WG13 UV-C	1 x 25W Bactericidal (Philips) TUV25WG13 UV-C	2 x 30W built-in bactericidal lamps (Philips), TUV30WG13 UV-C
Radiation type	Ultraviolet (253,7 nm), ozone-free			
Digital timer	0 – 24 hrs / non-stop			
UV-recirculator	1 x 25W (efficiency >99% per 1 hour)			1 x 30W (efficiency >99% per 1 hour)
Daylight lamp	1 x TLD-15W for illumination of the working area			1 x 30W for illumination of the working area
Walls material	Plexiglass: Polymethyl methacrylate	Glass: EUROGLASS, Germany	Steel, chemicals resistant powder coating	Glass: EUROGLASS, Germany
Thickness of sides	4 mm	4 mm	2 mm	4 mm
Thickness of upper front side	8 mm	8 mm	8 mm	8 mm
Thickness of the screen	8 mm	8 mm	4 mm	5 mm
Optical transmission	99,99 %	95%	95%	95%
UV-protection film type	Polymethyl methacrylate ALTUGLAS EX	4 MIL CLEAR	4 MIL CLEAR	4 MIL CLEAR
UV protection	99,90 %	96%	96%	96%
Working surface material	Steel, chemicals resistant powder coating	Stainless steel	Stainless steel	Stainless steel
Working space dimensions	480x645 mm	480x645 mm	480x645 mm	1200x520 mm
Safety features	Automatic open UV-lamp switch off when screen is open			
Power outlets inside the unit	—	—	1 piece	3 pieces
Power supply	230 V, 50 Hz, 250 VA, (115 V, 60 Hz on request)			230 V, 50 Hz, 300 VA
Useful power	95 W			150 W
Dimensions	690x535x555 mm	690x545x555 mm	690x585x555 mm	1245x585x585 mm
Optional table	<b>T-4</b>	<b>T-4</b>	<b>T-4</b>	<b>T-4L</b>
Weight (net / gross)	26 / 33 kg	32 / 39 kg	35 / 42 kg	58 / 68.5 kg

