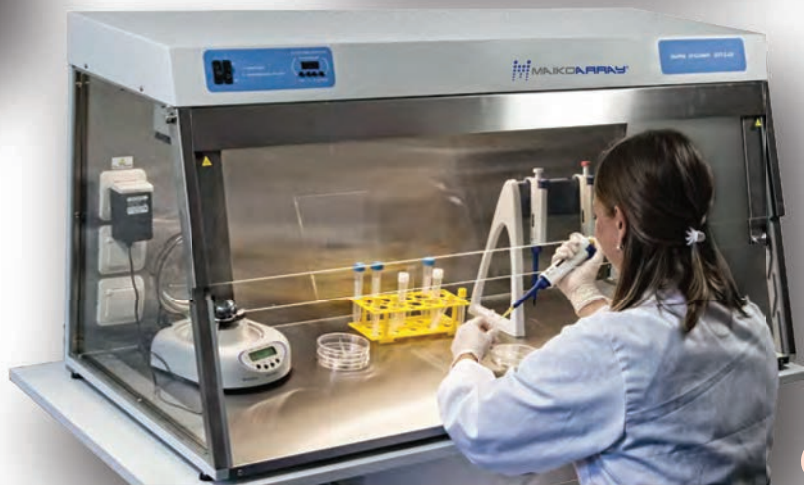


UV-Cabinets for PCR, UV Air Recirculators



UV-cabinets for PCR operations (**UVC/T-AR**, **UVC/T-M-AR**, **UVT-B-AR** and **UVT-S-AR**) are designed for clean operations with DNA samples. They provide protection against contamination.

All models are bench-top type, made of metal framework, glass (or plexiglas) walls and working surface painted with powder enamel or made of stainless steel.

UV-cabinets 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-cabinets are equipped with a flow-type bactericidal **UV cleaner-recirculator AR**, which provides constant decontamination inside the cabinet 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-cabinet 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-cabinet volumes per hour, creating permanent aseptic conditions of operation inside the UV-cabinet.

Specially assigned moving tables (with wheel locks) with a drawer are available on request. Two versions:

- A** T-4, for single size UV-cabinets,
- B** T-4L, for double size UV-cabinets



UVC/T-AR



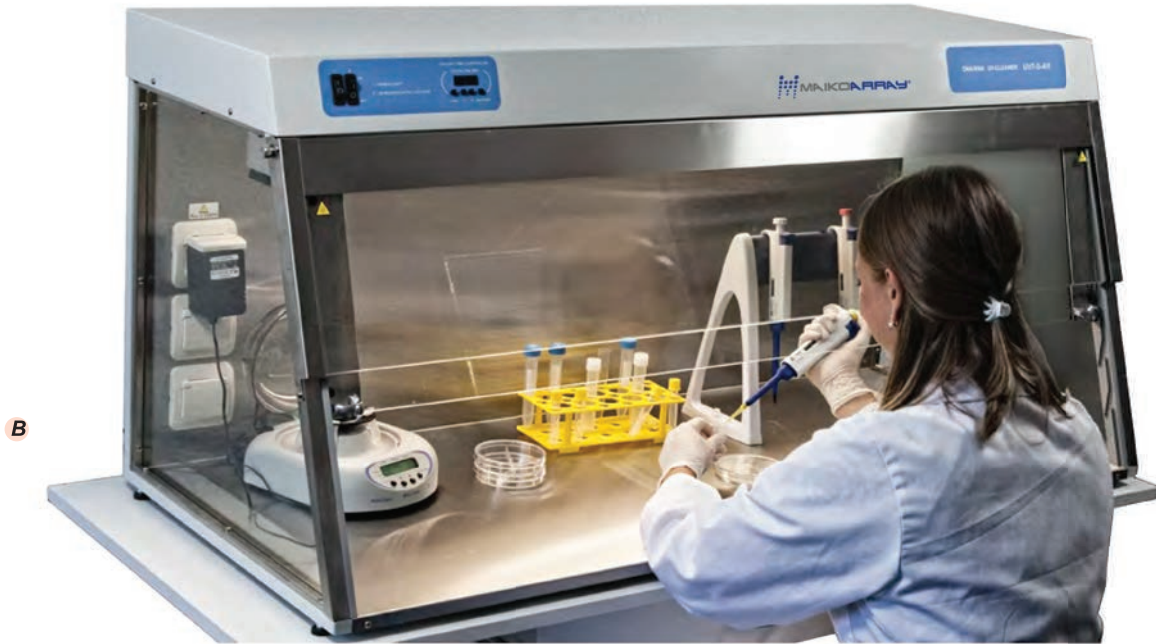
UVT-B-AR on the table T-4



Advantages of Maikoarray UV-cabinets:

- * Ozone free high density UV decontamination
- * Long living UV lamps (8000 hours average)
- * Automatic switch off of UV-lamps when the protective screen is opened
- * Bactericidal flow-type recirculator providing permanent decontamination inside UV –cabinet during operation
- * Shockproof glass walls
- * Low noise, low energy consumption
- * Tables for installation of UV-cabinets
- * UV-cabinets with the bactericidal

UV cleaner-recirculator AR is the patented Maikoarray solution

UVT-S-AR on the double size table T-4L

UVT-S-AR with turned on UV

Catalogue number:

UVC/T-AR	MA-040102-AAA
UVT-B-AR	MA-040109-AAA
UVC/T-M-AR	MA-040104-AAA

Catalogue number:

UVT-S-AR	MA-040107-AAA
T-4	MA-040101-BK
T-4L	MA-040107-BK

UV-cabinets for PCR operations

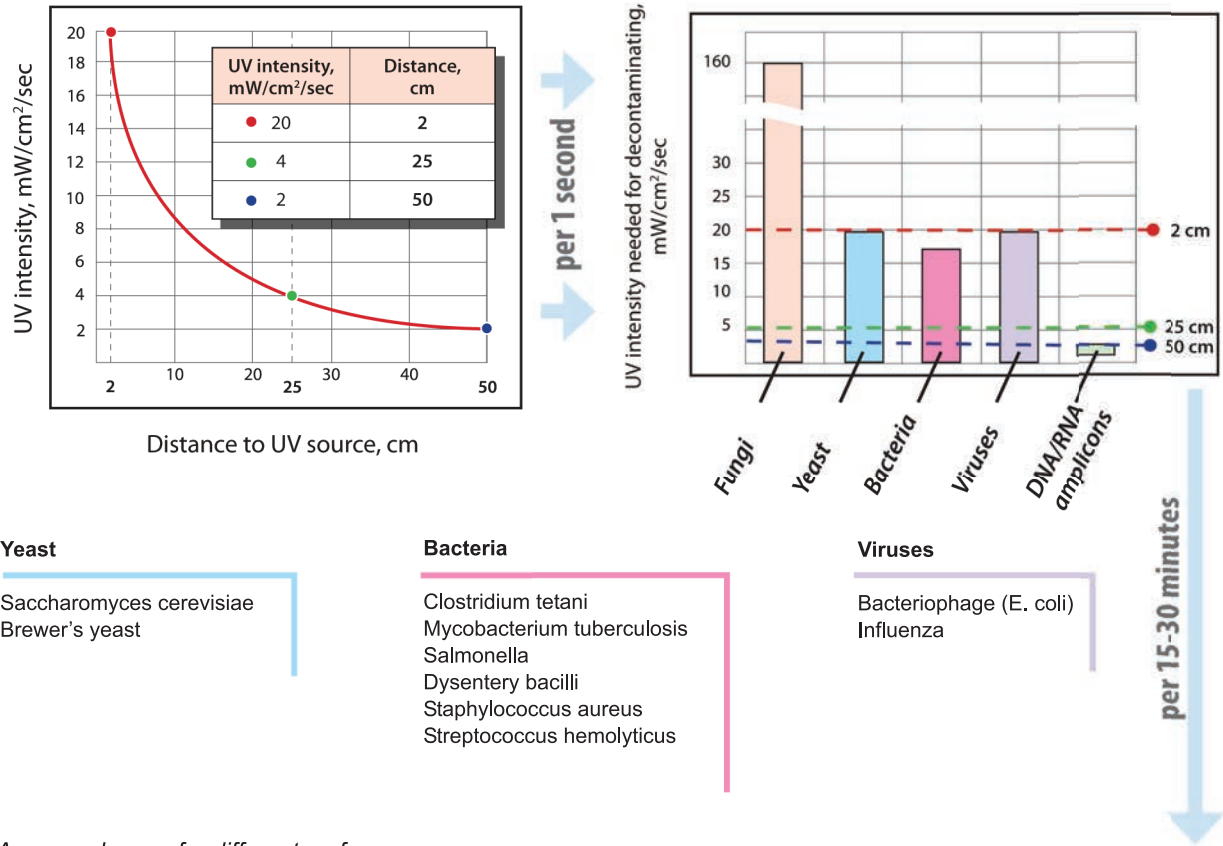


Specifications:



Model	UVC/T-AR (compact)	UVC/T-M-AR (compact)	UVT-B-AR (compact)	UVT-S-AR (double size)
Walls material	Plexiglas: Polymethyl methacrylate <i>ALTUGLAS EX</i>	Steel, chemical resistant powder coating and glass: <i>EUROGLASS</i> , Germany	Steel, chemical resistant powder coating and glass: <i>EUROGLASS</i> , Germany	Glass: <i>EUROGLASS</i> , Germany
Working surface material	Steel, chemicals resistant powder coating	Stainless steel		
Open UV-lamp	1 × 25W built-in bactericidal (Philips), TUV25WG13 UV-C			2 × 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 × 25 W (efficiency >99% per 1 hour)			1 × 30 W (efficiency >99% per 1 hour)
Daylight lamp (for working area illumination)	1 × TLD-15W			1 × TLD-30W
Thickness of sides	4 mm	4 mm	2 mm	4 mm
Thickness of upper front side	8 mm			
Thickness of the screen	8 mm	4 mm	4 mm	5 mm
Optical transmission	99,99%	95%		
UV-protection film type	Polymethyl methacrylate <i>ALTUGLAS EX</i>	4 MIL CLEAR		
UV protection	>99,90 %	>96%		
Working area dimensions	480 × 645 mm	480 × 645 mm	480 × 645 mm	1200 × 520 mm
Safety features	Automatic open UV-lamp switch off when screen is open			
Power outlets inside the unit	Inlet for power cords		1 Built-in socket, max. 1000 W	3 Built-in sockets max. 1000 W
Nominal operating voltage	230 V, 50 Hz or 120 V, 60 Hz			
Power consumption (230 / 120 V)	253 V × A (1.2 A) / 372 V × A (2 A)			315 V × A (1.4 A) / 530 V × A (4.5 A)
Overall dimensions (W × D × H)	690 × 535 × 555 mm	690 × 555 × 555 mm	690 × 585 × 555 mm	1245 × 585 × 585 mm
Optional table	T-4 (W × D × H : 800 × 600 × 750 mm)			T-4L (W×D×H : 1350×600×750 mm)
Weight (net / gross)	26 / 33 kg	32 / 39 kg	35 / 42 kg	58 / 68.5 kg

Germicidal, shortwave (254 nm) ultraviolet energy is used for complete destruction of various biological agents



Average dosage for different surfaces

Surface	Dosage after 15 min	Dosage after 30 min
Working surface (40-60 cm)	1800-2700 mW/cm ²	3600-5400 mW/cm ²
Side walls (10-60 cm)	1800-5400 mW/cm ²	3600-9000 mW/cm ²
Front window (10-60 cm)	1800-5400 mW/cm ²	3600-9000 mW/cm ²

UVC/T-AR



UVC/T-M-AR



UVR-M and UVR-Mi, UV-air flow Cleaner-Recirculators



UVR-M and **UVR-Mi** are applicable for UV air inactivation in research laboratory rooms, waiting rooms in outpatients departments, surgeries and veterinary stations.

The devices provide complete protection from direct ultraviolet radiation.

Advantages of UVR-Mi:

UVR-Mi is the upgraded more powerful model of UV air flow cleaner

Active desinfecting antimicrobial action of two factors — UV radiation and catalytic action of titanium oxide on biological molecules of viruses, germs and other toxic organic molecules;

Full user protection from direct UV radiation;

Two operation modes — short time (under timer control) and continuous operation;

Indication of UV lamps working hours.

UVR-M

UVR-Mi



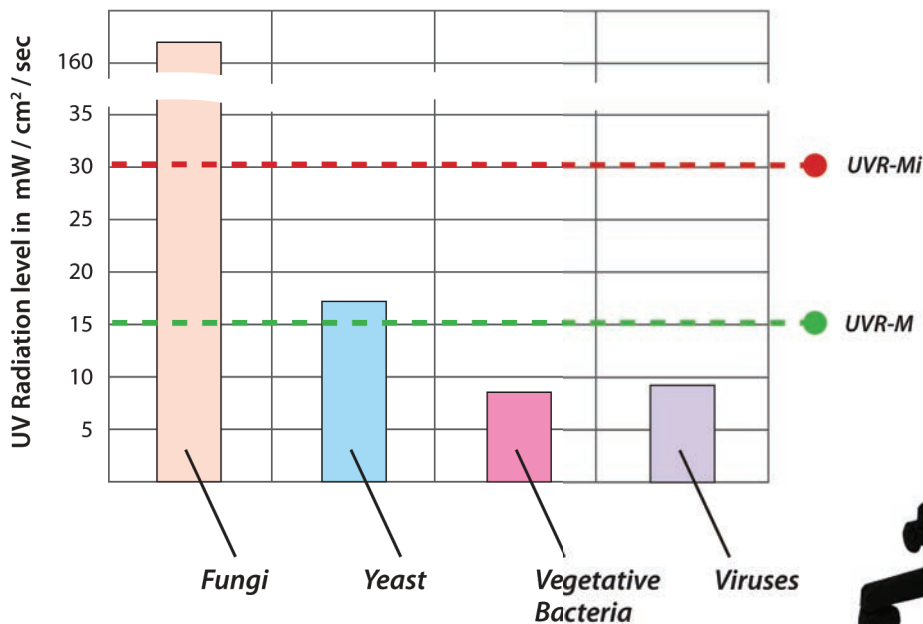
Recirculators fixation:

Convenient fixation on walls (standard)

Mounting on a movable tripod (optional) **A**

2 X

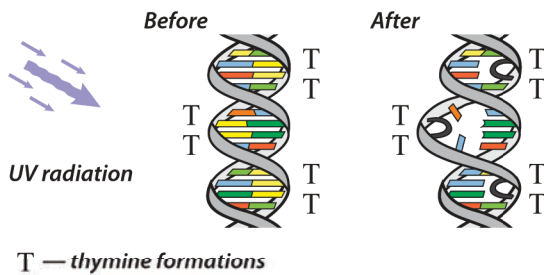
Microorganisms sensitivity to UV radiation



Specifications:

Model	UVR-M	UVR-Mi
UV radiation source: 25W Bactericidal (Philips), TUV25WG13 UV-C	1 lamp	2 lamps
UV recirculation productivity with standard filter	14 m ³ /hour	
Full user protection from direct UV light	Available	
Display	—	LCD
Timer	—	1 min–24 hrs
Automatic switch ON/OFF	—	Available
Lamp fault detection	—	Available
Overall dimensions (W × D × H)	110 × 130 × 665 mm	110 × 130 × 660 mm
Weight, not more	3.9 kg	3.3 kg
Nominal operating voltage	220-230 V, 50 Hz or 100 V, 60 Hz	220-230 V, 50 Hz
Power consumption (230 / 100 V)	125 V × A (540 mA) / 130 V × A (1.3 A)	110 W (0.5 A)

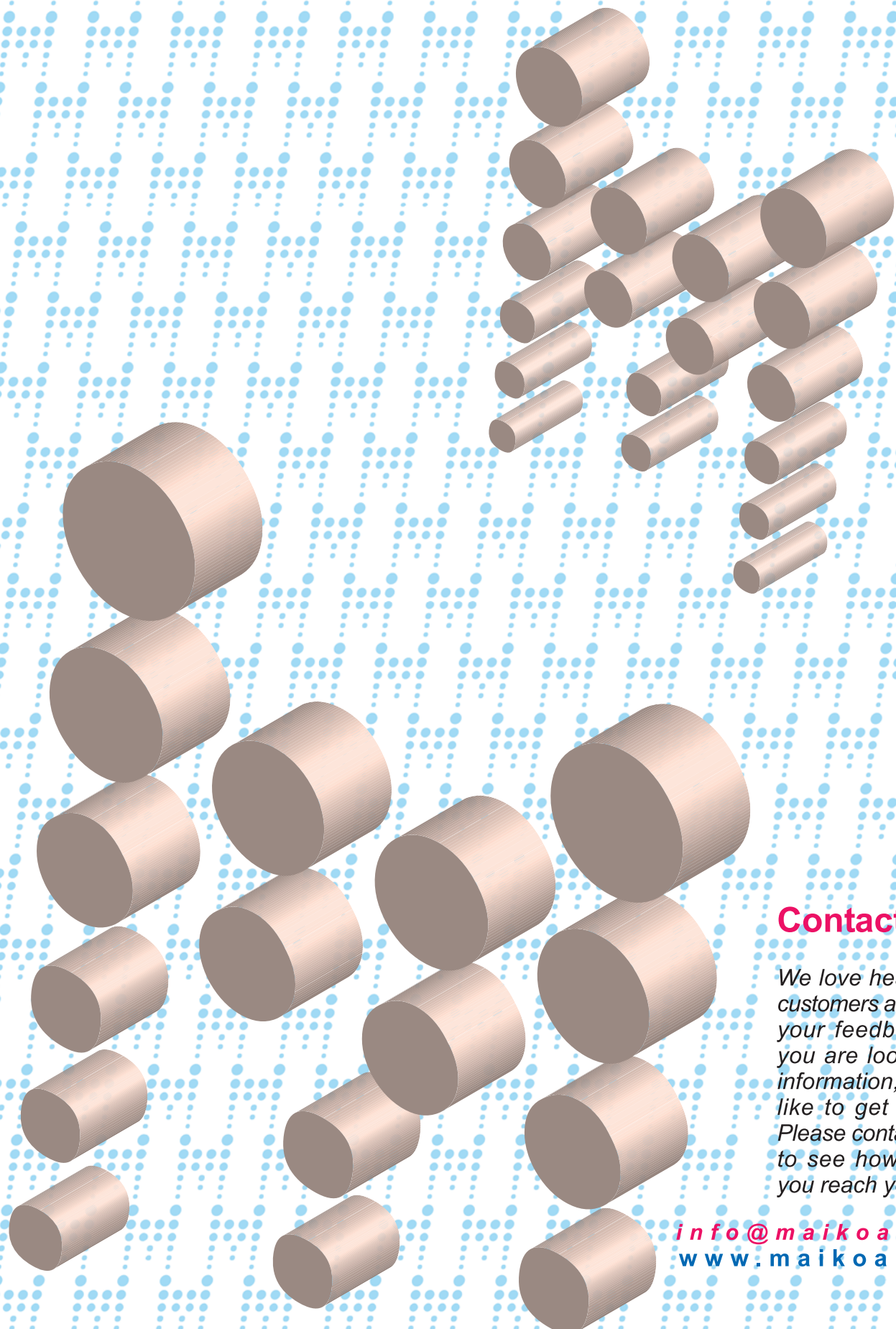
Operation principle



Catalogue number:

UVR-M	MA-040105-AAA
UVR-Mi	MA-040110-AAA
UVR-S (tripod)	MA-040105-AK





Contact Us

We love hearing from our customers and we do value your feedback. Whether you are looking for more information, or you would like to get a free quote. Please contact us by email to see how we can help you reach your objectives.

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