

PCR UV cabinets – DNA/RNA

Distributed by:

**Lab Unlimited**  
CARL STUART GROUP

Tallaght Business Park  
Whitestown, Dublin 24,  
Ireland  
D24 RFK3

Quatro House, Frimley Road,  
Camberley,  
United Kingdom  
GU16 7ER

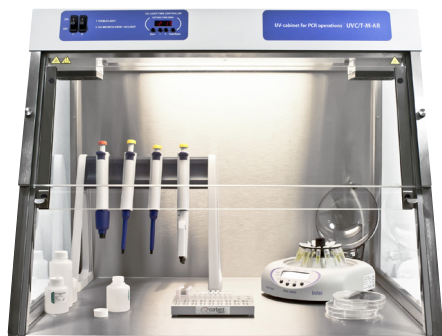
Tel: (01) 4523432  
Fax: (01) 4523967  
E-mail: info@labunlimited.com  
Web: www.labunlimited.com

Tel: 08452 30 40 30  
Fax: 08452 30 50 30  
E-mail: info@labunlimited.co.uk  
Web: www.labunlimited.co.uk

# PCR UV cabinets – DNA/RNA

Range of advanced benchtop UV cabinets providing aseptic conditions for a variety of biomedical and biochemical procedures. Innovative dual UV system: built-in UV-air recirculator provides constant decontamination of the air volume within the cabinet while working and traditional surface UV decontamination while the door is closed.

- UVC/T-M-AR – Stainless steel general purpose PCR UV cabinet
- UV cabinet UVT-B-AR – economy PCR UV cabinet
- UVT-S-AR double PCR workstation – stainless steel



UVC/T-M-AR – stainless steel UV cabinet



UVT-B-AR – economy UV cabinet



UVT-S-AR – double PCR workstation

PCR UV cabinets – DNA/RNA » UVC/T-M-AR stainless steel general purpose PCR UV cabinet

## UVC/T-M-AR – stainless steel general purpose PCR UV cabinet

Robust general purpose stainless steel UV cabinet designed for clean operations with DNA samples, with dual UV lamp protection.

- UV surface irradiation – via single 25W 254nm open UV lamp
- Patented high intensity UV air cleaner – 25 m<sup>3</sup>/hour cleaner recirculator continuous air flow with 1cm UV irradiation distance
- UV protection – UV-protective film on glass panels
- UV exposure control – 24 hour digital timer



**Convenient, easy to use digital timer** for accurate control of UV exposure.

**White lamp** provides local illumination of the workplace to optimise visual control during operations.

**Second UV light** for irradiating the surface. Automatic switch off when door is opened.

**Stainless steel work surfaces, glass sides** for visibility and light.



**Built-in UV bactericidal cleaner** recirculator increases the maximum density of UV light (in the upper hood) and generates 25 m<sup>3</sup>/h air flow exchange – prevents unwanted contamination and protects the user from direct UV light during manipulation.

**Front opening with three adjustable positions** for ease of access.

**Quiet operation** (33 - 37dBa) and low energy consumption (67W).

**Applications:**

- Life-science - germicidal and virucidal, inhibition of DNA and RNA contamination, applications requiring no residual decontaminants such as disinfectants, operations with DNA/RNA amplicons, microbial research

## UV cabinet UVT-B-AR – economy PCR UV cabinet

Economy bench-top model for protection against contamination during a variety of DNA/RNA procedures, with dual UV lamp protection.

- UV surface irradiation – via single 25W 254nm open UV lamp
- Patented high intensity UV air cleaner – 25 m<sup>3</sup>/hour cleaner recirculator continuous air flow with 1cm UV irradiation distance
- UV exposure control – 24 hour digital timer
- Built-in power socket
- UV protection - UV protective film on glass panels



**Convenient, easy to use digital timer** for accurate control of UV exposure.

**White lamp provides local illumination** of the workplace to optimise visual control during operations.

**Shock proof glass front,** stainless steel sides, metal framework and stainless steel work surface.

**Patented built-in UV cleaner recirculator** prevents unwanted contamination and protects the user from direct UV light during manipulation.

**Second UV lamp** disinfects the working area, inactivating DNA/RNA fragments during 15-30 min of exposure. Automatic switch-off when door is opened.

Contains an **integral power socket**.

**Quiet operation** (33 - 37dBa) and low energy consumption (67W).

**Applications:**

- Life-science - germicidal and virucidal, inhibition of DNA and RNA contamination, applications requiring no residual decontaminants such as disinfectants, operations with DNA/RNA amplicons, microbial research

## UVT-S-AR double PCR workstation – stainless steel

Large capacity stainless steel UV cabinet with additional space for equipment and accessories to allow for more comfortable and convenient working in PCR applications. Dual UV lamp protection

- Robust construction with large, 1.2m x 0.52m working area
- UV surface irradiation – dual 30W 254nm UV lamp
- Patented high intensity UV air cleaner – 25 m<sup>3</sup>/hour cleaner recirculator continuous air flow with 1cm UV irradiation distance
- UV protection – UV-protective film on glass panels
- UV exposure control – 24 hour digital timer
- 3 built-in power sockets



**Convenient, easy to use digital timer** for accurate control of UV exposure.

**White lamp** provides local illumination of the workplace to optimise visual control during operations.

**Front opening with three adjustable positions** for ease of access.

**Second UV light** for irradiating the surface. Automatic switch off when door is opened.



**Built-in UV cleaner recirculator** increases the maximum density of UV light and generates 25 m<sup>3</sup>/h air flow exchange – prevents unwanted contamination and protects the user from direct UV light (in the upper hood) during manipulation.

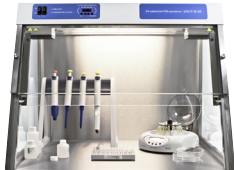


**Ample additional space** for equipment and comfortable working.

**Quiet operation** (33 - 37dBa) and low energy consumption (150W).

### Applications:

- Life-science - germicidal and virucidal, inhibition of DNA and RNA contamination, applications requiring no residual decontaminants such as disinfectants, operations with DNA/RNA amplicons, microbial research

PCR UV cabinets – DNA/RNA » Technical specifications

UV cabinets – Technical specifications			
<ul style="list-style-type: none"> <li>• = standard</li> </ul>	General purpose	General purpose economy	PCR workstation
	UVC/T-M-AR	UVT-B-AR	UVT-S-AR
			
	h: 555mm d: 515mm w: 690mm weight: 31kg	h: 555mm d: 585mm w: 690mm weight: 32kg	h: 585mm d: 585mm w: 1245mm weight: 58kg
Construction	stainless steel frame and working area	stainless steel frame and working area	stainless steel frame and working area
Panels	glass with UV-protective film		
Front opening with three adjustable positions	•		
Open UV lamp, 25W bactericidal, 254nm, ozone free	1	1	–
Open UV lamp, 30W bactericidal, ozone free	–	–	2
Bactericidal air recirculator, 25m <sup>3</sup> /h air flow exchange	•		
UV recirculator, 25W (efficiency >99% per 1 cycle)	1	1	–
UV recirculator, 30W (efficiency >99% per 1 cycle)	–	–	1
White lamp for workplace illumination	15W	1	–
	30W	–	1
Radiation type	Ultraviolet (253.7nm), ozone free		
Optical transmission	95%		
Digital timer(non stop)	0 to 24 hrs	•	
Internal power outlets	–	1	3
Internal working area	mm	650 x 475	650 x 475
Flow rate	m <sup>3</sup> /h	7	
Nominal operating voltage	V	120 or 230 (50-60 Hz)	120 (60Hz) or 230 (50Hz)
Power consumption	W	67 (0.3A)	530 (4.5A)/315 (1.4A)