

aura PCR

Passive PCR cabinet

BIOAIR[®]
a EuroClone[®] Division

With UV lights for DNA carry-over blocking
Specially designed for the containment of DNA carry over and subsequent neutralisation. It prevents contaminations due to cross-DNA fragments previously amplified.



Applications:

- DNA/RNA extraction
- Pre and post PCR manipulation
- Other manipulation that needs neutralisation of nucleic acids aerosols

Amplification of DNA through the polymerase chain reaction (PCR) is a highly sensitive method capable of copying millions of DNA molecules from just a single molecule.

Because of the extreme sensitivity of this method, any carry-over product from previous reactions can result in false positives or extra bands. Carry-over contamination can be avoided by using appropriate protocols and equipments. Among them, exposure to UV light (300 to 400 nm) within an enclosed area is recommended.

AURA PCR is a very easy to operate cabinet specifically designed for this application.

Operating mode: when the normal working procedures have been completed, the tempered glass front panel is closed and timer is activated in order to expose all internal surfaces and tools to UV radiation for a preset period of time.

The 6 mm tempered glass body of the AURA PCR cabinet, acting as a filter to UV radiations, is safely protecting the external environment from dangerous exposure of personnel to those radiations.

Once the preset count-down time is over, the UV are automatically switched off whereas the fluorescent lights are turned on.

The operator can therefore resume his job.

Front window opening is interlocked with the UV lights that are automatically turned off in case of unwanted opening for total operator safety.

The PCR cabinet complies with machine directives 89/392 EC which include the electromagnetic compatibility "EMC" according to 89/336 EC.

The cabinet also complies with safety requirements for electrical equipment for laboratory use as per EN 61010-1.



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Laminar downflow workstation

- Main structure: 6 mm tempered glass,
- Front window: 6 mm tempered glass,
- Service hinged shelf made of tempered glass,
- Top cover: cold rolled steel with stove enamel coating
- Three powerfull UV lights optimize the neutralisation cycle,



- Work surface; polyethylene 100% UV proofed
- Pre-punched cable port.
- Electrical equipment according to International Standard and EMC directives.



Front



Side


TECHNICAL SPECIFICATIONS

Work chamber dimensions (wxdxh):	622 x 508 x 600 mm
Overall dimensions (wxdxh)	650 x 545 x 743 mm
Weight	25 Kg
Power supply	220/240V - 50Hz
Power	100 W
Lighting	800 lux
UV tubes	4x15 w

How to order	
PC10000	AURA PCR work station

EuroClone S.p.A. reserves the right to change product specifications without prior notice

EuroClone®

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