

## aura PCR

### PCR Carry-over blocking cabinets

With UV lights for DNA carry-over blocking.

Specially designed for the containment of DNA carry-over and subsequent neutralisation.

Prevents cross contamination coming from previously amplified DNA fragments.

#### Main Applications:

- Nucleic acids aerosol neutralisation
- Pre and post PCR manipulation
- DNA/RNA extraction

Main structure:  
6 mm tempered glass

Front window:  
6 mm tempered glass

Top cover:  
cold rolled steel with stove  
enamel coating

Three powerfull UV lights  
optimize the neutralisation  
cycle

Hinged tempered glass  
utility shelf

Work surface: polyethylene  
100% UV proof

Pre-punched cable port



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.

Aura PCR cabinet complies with machine directive 89/392 EC (which includes the electromagnetic compatibility "EMC" according to 89/336 EC) as well as with safety requirements for electrical equipment for laboratory use (EN 61010-1).

#### TECHNICAL SPECIFICATIONS

|   |                   |
|---|-------------------|
| <b>Work chamber dimensions (W x D x H) mm</b> | 622 x 508 x 600   |
| <b>Overall dimensions (W x D x H) mm</b>      | 650 x 545 x 730   |
| <b>Front opening height mm</b>                | Up to 415         |
| <b>Weight Kg</b>                              | 25                |
| <b>Power supply</b>                           | 220/240 V - 50 Hz |
| <b>Power W</b>                                | 60                |
| <b>UV tubes W</b>                             | 3 x 15            |
| <b>Lighting lux</b>                           | 800               |

#### HOW TO ORDER

**PC10000** Aura PCR carry-over blocking work station (220 V - 50 Hz)

**220 V / 60 Hz VERSION and OPTIONAL FEATURES also available;**

For further information please contact you local dealer

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