

**AirClean<sup>®</sup> Systems**

# PCR Workstations



***Get results – not background!***

[www.aircleansystems.com](http://www.aircleansystems.com)

# PCR Works

*AirClean® Systems AC600 PCR Workstations are designed as application solutions for the manipulation and amplification of DNA and RNA.*

*Cross-contamination during amplification of DNA and RNA can lead to results that are inaccurate. These results cost the lab technician valuable time and consume expensive reagents.*

*We offer two types of workstations to fit your needs: the Dead Air Box and the PCR Combination Workstation.*



# Workstations: Get Results

## Combination PCR Workstation

**Combines UV light and HEPA-filtered air for maximum sample protection**

AirClean® Systems AC600 Series PCR Workstations combine Class 100 HEPA-filtered air with UV light irradiation for the ultimate DNA/RNA manipulation and amplification work area. Cross-contamination during amplification of DNA and RNA can lead to results that are inaccurate, costing the lab technician valuable time and reagents. PCR Workstations minimize this risk by keeping airborne contaminants away from samples and irradiating work surfaces and tools between amplifications.

### Unique Safety Features:

- Clear polycarbonate construction reflects harmful 254 nm ultraviolet light
- Full access folding sash with safety switch prevents opening workstation when UV light is illuminated

### Options:

- Cart with locking casters

### Features:

- UVTect™ microprocessor controller
- Class 100/ISO 5 vertical laminar airflow
- UV and fluorescent lights
- Polycarbonate and polypropylene design reflects UV energy
- Seamless plastic design — no joints or gaps in construction
- UV shelf with built-in pipette holder
- Digital UV light timer 0-59 minutes
- Constant monitoring of UV light and HEPA filter
- Lab event timer
- Airflow and filter change audible and visible alarms
- Full access folding sash
- Slip-hatch electrical cord access port
- Shipped fully assembled
- Available in 110V AC or 220V

## Dead Air Box

**Circulation-free air for sample protection**

AirClean® Systems Dead Air Boxes provide a circulation-free environment for the amplification and manipulation of RNA/DNA. Each Dead Air Box is standard with a 0-15 minute timed 254 nm ultraviolet light source for irradiation between amplifications. A safety interlock switch disables the UV light when the sash is raised, preventing operator exposure. Seamless design and UV-reflective construction materials further ensure no harmful UV energy escapes the enclosure.

### Options:

- UV shelf with pipette holder
- UVTect™ microprocessor controller
- Cart with locking casters

### Features:

- Polycarbonate and polypropylene design to reflect UV energy
- Safety switch to prevent exposure to harmful UV energy
- Full-access folding sash
- 0-15 minute manual UV light timer
- Seamless plastic design — no joints or gaps in construction
- UV and fluorescent lights
- Slip hatch electrical cord access port
- Available in 110V AC or 220V AC
- Shipped fully assembled

# - Not Background!

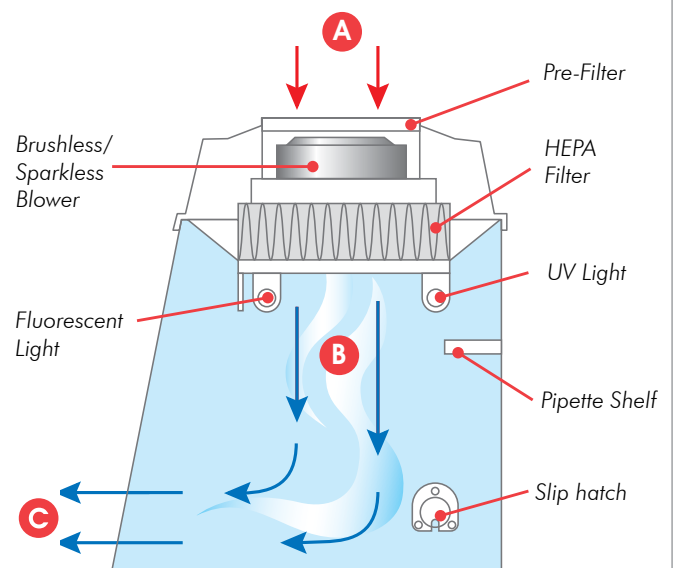
## UVTect™ Microprocessor Controller



- Standard feature on AirClean® Systems Combination PCR Workstations. (32" and 48" models)
- Constantly monitors workstation effectiveness, alerting the operator if HEPA filter or UV bulb needs replacing
- Allows the operator to manually adjust airflow speed, accommodating the most fragile samples
- Optional feature available on Dead Air Box for UV bulb monitoring

### HOW THE COMBINATION PCR WORKSTATION WORKS:

1. Room air enters at "A" where it is cleaned via electrostatic pre-filtration.
2. Air then moves through the HEPA filter, capturing smaller particulate.
3. Clean vertical laminar flow air enters the chamber at "B" and exits at "C".
4. UV light sterilizes pipette tips, tubes and flasks.





# Combination PCR Workstation

ISO5/Class 100 Vertical Laminar Flow  
HEPA Filtration • UV Light Sterilization

UVTect™ Microprocessor Controller



Pre-filtration of gross particles via electrostatic pre-filter

UVTect™ microprocessor controller standard on 32" and 48" width PCR Workstations



UV light and UV shelf for enhanced irradiation of supplies



HEPA filter for particulate free environment at ISO 5 / Class 100 requirements



Unique interlocking sash with a safety overlap to prevent gaps in sash



Polypropylene base reflects ultraviolet energy and is easily cleaned

Sash safety switch automatically turns off UV light and activates the blower when sash is raised



AirClean® Systems laminar flow workstations meet or exceed ISO 5/Class 100 clean bench standards.

# Improve Your Odds! Get Results - Not Background!



## DEAD AIR BOX DIMENSIONS

| Product # | External Dimensions |       |        | Internal Dimensions |       |        |
|-----------|---------------------|-------|--------|---------------------|-------|--------|
|           | Width               | Depth | Height | Width               | Depth | Height |
| AC624DB   | 24"                 | 24"   | 30"    | 23"                 | 23"   | 21"    |
| AC632DB   | 32"                 | 24"   | 30"    | 31"                 | 23"   | 21"    |
| AC648DB   | 48"                 | 24"   | 32"    | 47"                 | 23"   | 23"    |

## PCR WORKSTATION DIMENSIONS

| Product #   | External Dimensions |       |        | Internal Dimensions |       |        |
|-------------|---------------------|-------|--------|---------------------|-------|--------|
|             | Width               | Depth | Height | Width               | Depth | Height |
| AC624LFUV   | 24"                 | 24"   | 30"    | 23"                 | 23"   | 18"    |
| AC632LFUVC  | 32"                 | 24"   | 30"    | 31"                 | 23"   | 18"    |
| AC632TLFUVC | 32"                 | 24"   | 39"    | 31"                 | 23"   | 27"    |
| AC648LFUVC  | 48"                 | 24"   | 32"    | 47"                 | 23"   | 18"    |
| AC648TLFUVC | 48"                 | 24"   | 42"    | 47"                 | 23"   | 29"    |

\*AC624LFUV available in 110V only

PCR is a trademark of Hoffman LaRoche

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