

Optimizer™ PCR Workstations

Protects against PCR* reaction contamination



PCR Workstation (P-036-202-SS), stainless steel working surface, titanium white ceiling angle reflector panel closure (not shown) with dual UV germicidal lights, 24"(h) x 24"(d) x 36"(w). Made in the USA.

Optimizer™ PCR WORKSTATIONS

Complete System

- Stainless steel or black formica work surface
- Safety interlock automatically shuts off UV lights when Workstation is opened
- Tempered safety glass door
- Electrical outlet mounted in ceiling (Country specific)
- Dual fluorescent lamps
- Single or Dual UV Germicidal lamp(s) with 12 hour countdown timer with time-hold position
- Single or double panel closures

Stainless Steel Worksurface Option: P-030-02-SS, P-030-202-SS, P-036-02-SS, P-036-202-SS, P-048-02-SS, P-048-202-SS

Black Formica Worksurface Option: P-030-02, P-030-202, P-036-02, P-036-202, P-048-02, P-048-202

The Optimizer PCR Workstation™ is designed to protect against contamination in sensitive PCR amplification reactions in the following ways:

- 1) UV irradiation of working area prior to use blocks replication of contaminating DNA sequences by causing adjacent pyrimidines to undergo dimerization.
- 2) This Dead Air Box protects against cross or airborne contamination by limiting exposure of experimental set-up to open lab environment.

FEATURES

- Plenty of interior workspace for PCR reaction supplies and equipment.
- Ergonomic design for comfortable posture
- Factory installed interlock automatically shuts off UV light when hood is opened.
- Single or dual access panels close during UV irradiation, then slide into storage compartment in base during experimental procedures.
- Hinged glass door allows easy access to interior workspace for cleaning and placement of large instruments or supplies.
- Dual fluorescent lamps assure excellent work space visibility.
- 254nm UV lamp with convenient switch for timed decontamination of workspace.
- Available either with acid-resistant black formica or durable stainless steel.
- A titanium white ceiling angle reflector and stainless steel work surface option yields greater UV reflection, resulting in a 10% increase in UV dose in PCR Workstations with a single UV bulb and a 20% increase with a dual UV bulb.

DIMENSIONS

The PCR Workstation™ is available in 3 sizes with the following exterior dimensions:

- 24"(h) x 24"(d) x 30"(w)
- 24"(h) x 24"(d) x 36"(w)
- 24"(h) x 24"(d) x 48"(w)

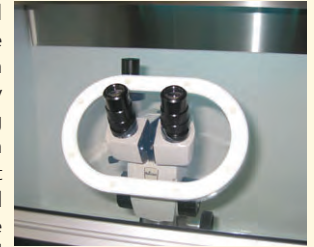
OPTIONAL FEATURES AVAILABLE

- Mobile Workstation Option:** Accessory table and locking casters transform the PCR Workstation into a moveable work surface that doesn't infringe on valuable bench-top space.



- Dual UV Bulb Option:** Dual UV Bulbs deliver twice the intensity of UV light than that of the single and will help irradiate "shadowed" areas that might otherwise be inaccessible. The Dual UV bulb format is recommended when the researcher desires to use the Workstation to decontaminate apparatus and reagents more rapidly.

- Customized Ocular Fitting for Microscope:** This customized fitting allows a microscope to be placed in the PCR Workstation while maintaining the integrity of UV protection and preserving the sterility of the workstation environment. A small oval cut-out is removed from the tempered glass fascia to accommodate the oculars, which is then covered in silicone. The silicone permits transmittance of only negligible amounts of UV light, and is cut to securely wrap the oculars. The silicone also protects the sterility of the microscope stage area by preventing contaminating DNA from entering through the ocular cut-out. Must be factory installed.



ORDERING INFORMATION

| CAT. # | DESCRIPTION |
|-------------------------------------|---|
| OPTIMIZER PCR WORKSTATIONS** | |
| P-030-02-SS | Optimizer PCR Workstation, 30" wide , single UV light, stainless steel worksurface |
| P-030-202-SS | Optimizer PCR Workstation, 30" wide , dual UV light, stainless steel worksurface |
| P-036-02-SS | Optimizer PCR Workstation, 36" wide , single UV light, stainless steel worksurface |
| P-036-202-SS | Optimizer PCR Workstation, 36" wide , dual UV light, stainless steel worksurface |
| P-048-02-SS | Optimizer PCR Workstation, 48" wide , single UV light, stainless steel worksurface |
| P-048-202-SS | Optimizer PCR Workstation, 48" wide , dual UV light, stainless steel worksurface |
| P-030-02 | Optimizer PCR Workstation, 30" wide , single UV light, black formica worksurface |
| P-030-202 | Optimizer PCR Workstation, 30" wide , dual UV light, black formica worksurface |
| P-036-02 | Optimizer PCR Workstation, 36" wide , single UV light, black formica worksurface |
| P-036-202 | Optimizer PCR Workstation, 36" wide , dual UV light, black formica worksurface |
| P-048-02 | Optimizer PCR Workstation, 48" wide , single UV light, black formica worksurface |
| P-048-202 | Optimizer PCR Workstation, 48" wide , dual UV light, black formica worksurface |
| Related Products | |
| T-030-28 | Table for use with 30"(w) PCR Workstation, 28" high |
| T-030-36 | Table for use with 30"(w) PCR Workstation, 36" high |
| T-036-28 | Table for use with 36"(w) PCR Workstation, 28" high |
| T-036-36 | Table for use with 36"(w) PCR Workstation, 36" high |
| T-048-28 | Table for use with 48"(w) PCR Workstation, 28" high |
| T-048-36 | Table for use with 48"(w) PCR Workstation, 36" high |
| TC-400 | Table casters, set of four locking swivel casters |
| CWB-F20T12CW | Replacement Fluorescent Cool White Bulb for P-030 or P-036 |
| CWB-F30T12CW | Replacement Fluorescent Cool White Bulb for P-048 |
| GB-G15T8 | Replacement Germicidal Bulb for P-030 or P-036 |
| GB-G30T8 | Replacement Germicidal Bulb for P-048 |
| P-Ocular | Customized Ocular Fitting, factory Installed at time of order |

**International customers need to specify which Country the PCR Workstation will be used in so that correct mains plug can be included.

* PCR is a patented process of Hoffmann-LaRoche. Use of the PCR process requires a license.