



## Isolation Room Certification Program

...ensuring the function of your facility meets the requirements of your operations.

### ISOLATION ROOM CERTIFICATION SERVICES: PARTNERING FOR PATIENT, PERSONNEL AND FACILITY SAFETY

The Centers for Disease Control (CDC) guidelines for isolation areas are extensive. Protecting patients and personnel from tuberculosis and other airborne diseases is critical, yet many healthcare facilities do not have the staff or the time to properly test, inspect, assess and remediate critical isolation areas, such as positive and negative isolation rooms, operating rooms, emergency rooms, patient rooms, laboratories, long-term care facilities, hospices and medical offices.

The CDC recommends a multi-tiered approach within healthcare facilities:

- Local exhaust ventilation
- General ventilation
- Air cleaning

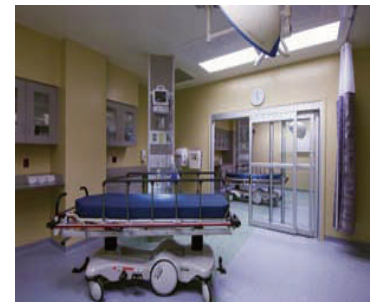


General ventilation considerations include dilution and removal of contaminants, airflow patterns within rooms, airflow direction in facilities, negative pressure in TB isolation rooms and positive pressure in protective environment patient-care areas. Air cleaning or disinfection can be accomplished by filtration of air (e.g., through HEPA filters) or by UVGI. Further, the AIA and EPA recommend monitoring ventilation systems in accordance with engineers' and manufacturers' specifications to ensure preventive engineering, optimal performance for removal of particulates and elimination of excess moisture.

The CEPro team is very familiar with CDC and ASHRAE guidelines regarding ventilation standards and it has the experience and expertise to inspect and make viable recommendations for your facility. Our team will perform an in-depth inspection of your facility, including the following services:

#### Room:

- Doors & latches are checked for proper operation
- Door seals are checked for proper fit and quality
- Door sweeps are adjusted and checked for proper operation
- Automatic door closers are checked
- Room diffusers are cleaned and checked for proper operation
- Ceiling tiles are checked for leakage and proper fit
- Smoke tested for visual room pressurization confirmation
- Room air patterns are verified to prevent "short cycling"



#### Location / Operation:

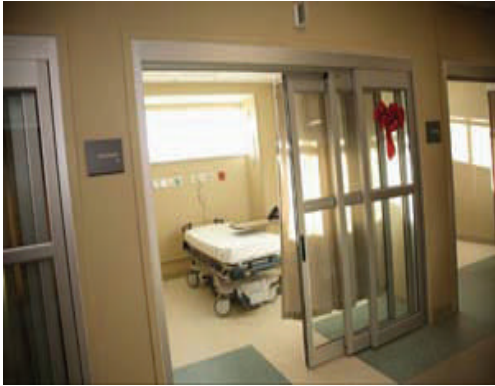
- Room is checked for proper labeling and pressure indication
- Room is compared to original drawing (If available) and modifications are documented
- Access doors are tagged and keys are checked for operation and availability
- Window operation verified to be "In-Operable" (not allowed by CDC)

## TAKE A STEP TOWARD COMPLIANCE



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### Monitor:

- Sensor probes are cleaned and checked for proper installation
- Verify or configure—negative or positive. **NOTE:** CDC no longer allows dual position rooms
- Detailed parameters, i.e., w.c. or fpm

### Alarm:

- “Mute” or reset options at every location (nurses’ station) or BAS, If applicable
- General appearance / damage identification
- Alarm parameters and settings
- Alarm functionality

### Reports:

- Pressurization monitoring
- Room layout w/pressures
- Design and general operational check list (room data sheet)
- Letter that details why the room passed or failed certification
- Repair recommendations
- Certificate awarded for successful inspection

### Test and Balance:

- Test air volume for all supply and exhaust air entering and leaving the space
- Test room pressurization to adjacent spaces, i.e., bathrooms, ante rooms, corridors
- Measure cubic room volume to calculate air changes
- Inspection of room for Isolation requirements, i.e.,
  - Supply/exhaust outlet/inlet locations
  - Door seals/sweeps integrity
  - Door closure (automatic closers, doors close completely/ latches door closers operational)
  - Ceiling spaces sealed- no leakage from ceiling or adjacent spaces affecting pressurization
- Adjust airflow to achieve design requirements, pressurization or air changes
- Final testing- airflow, pressurization and air changes
- Certification documentation including any monitoring device, set points and checkout

Once the space has been inspected, CEPro will issue a report with its findings. After adjustments are made and remediation is suggested and implemented, a certificate will be issued that states that the inspected area meets CDC guidelines. Certificates are kept on site for review and inspection.

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