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IC Sentinel® Decontamination Application Guide

ABOUT IC SENTINEL®:

IC Sentinel® is a real-time environmental quality monitoring solution, comprised of facility-wide, low-cost, compact, multi-sensor modules.

IC Sentinel® sensors can be placed just about anywhere in the facility to allow immediate real-time and 24/7 monitoring and long-term profiling. The sensors can also be conveniently moved around the facility as needed to respond to construction or problematic areas.

INFECTION CONTROL

- Monitor airborne particulate count facility-wide
- Monitor differential room pressure of key areas
- Verify Performance Protective Environment rooms
- Verify Performance of Airborne Infection Isolation rooms
- Test for elevated humidity levels

FACILITIES MANAGEMENT

- Monitor construction and renovation areas for particulates
- Verify barrier and air filtration, effectiveness
- Monitor indoor air quality (IAQ), verify performance of HVAC
- Generate real-time alerts



Figure 1- IC Sentinel® Unit

DECONTAMINATION

Before installing the IC Sentinel® or shipping the unit for repair or calibration, you should make sure to decontaminate the unit. The unit should then be decontaminated on a regular basis along with the rest of the hospital's equipment. This will help keep all the metrics displaying the correct amounts as well as help keep patients safe. The decontamination process itself is simple and should not take longer than 5 minutes.

THE PROCESS

To begin, use a broad spectrum disinfectant that is virucidal, bactericidal, tuberculocidal, and fungicidal. You can use either disinfectant wipes or disinfectant spray of any reliable brand such as Betco BetONE™ RTU Disinfectant. To disinfect the unit, follow all the instructions on your disinfectant of choice and wipe down all the outside surfaces of unit.



Figure 2- Wiping Down the IC Sentinel

Make especially sure to clean the exhaust ports on both the back and bottom side of the unit. This is where a high number of particles can potentially end up. This will ensure no possibly dangerous particles enter the room.



Figure 3- Cleaning the Exhaust Ports

The next step is to remove the inlet nozzle. To do so, gently pull on the nozzle until you feel it come loose. Then just guide it out. It should look like Figure 4 when you successfully remove the nozzle.



Figure 4- Removed Nozzle

From here you need to use your disinfectant of choice to clean the nozzle. Make sure wash from inside to outside in order to get all surfaces of the nozzle. The inside is the most vital part since this is where most dangerous particles have the potential of getting trapped.



Figure 5- Cleaning the Nozzle

After the nozzle is cleaned, insert the nozzle back into the unit. It should fit securely into the inlet and should look just like how you found it. The unit is now completely decontaminated.

AFTER NOTE

Make sure to perform this process frequently depending on hospital guidelines. This will ensure more accurate measurements along with increased patient safety.