SteraMist™ BIT™ Treatment Protocol for Surface Disinfection of Cold Rooms

SteraMist™ powered by Binary Ionization Technology® (BIT™), is streamlining disinfection/decontamination protocols by making whole room disinfection easier. An effective broad-spectrum surface disinfection, this innovative technology works like a gas, reaching surfaces that other disinfectants can't, killing pathogenic bacteria on contact. As a result, SteraMist™ BIT™ is effective for all hard surfaces, and contained spaces; and is easily incorporated into current cleaning procedures.

Meet with Facility Stakeholders

This meeting is conducted to help the TOMI™ Service Technician understand all facets of the job logistics to be successful including:

1. Determine schedule preventative maintenance or emergency response to outbreak.
2. Discuss/map out area targeted for surface treatment to include all surfaces, compartments, enclosures, and instrumentation
3. Discuss facility operating schedule/hours of operation to determine most appropriate timeframe for application.
4. Discuss areas of special consideration such as for containment and aeration time.

In addition, this meeting will serve as a time for all operations staff to discuss with the TOMI™ Service Technician the details of their existing disinfection protocol and concerns.

Review TOMI Proposal

- Confirm personnel, equipment, and materials.
- Confirm obligations of facility (steps/processes required before treatment)
- Confirm access to facility electricity

Application Process

1. Cold room cooling equipment should be taken off-line so room can reach normal room temperatures before SteraMist™ treatment begins (must be above dew point temperature).
2. Ensure all surfaces are free of visible soil or bio-mass.
3. If cold room equipment is to remain in room during treatment, discuss with customer if "manual" SteraMist™ treatment of contact surfaces between equipment and benchtops is desired before fogging.
4. Open cabinet doors and drawers to allow SteraMist™ to reach into those areas if customer desires.
5. Ensure that all sources of air movement in cold room (HVAC, BSC Hoods, Cooling fans for equipment, etc.) are turned off.

6. Calculate dimensions of cold room and determine proper number of SteraMist™ applicators to be used in the space. Note: if estimated treatment time is below 10 minutes, the number of applicators used should be reduced to allow a minimum of 10 minutes dosing time.
7. Move SteraMist™ Environment System into room. Set-up stands and applicators. Program room dimensions. Prime BIT™ Solution into applicators.
8. Place chemical indicators in high and low corners of space, as well as near any locations of concern due to air movement or high heat, to confirm consistent distribution of mist/fog throughout space. Be certain to map location of chemical indicators.
9. Exit cold room and start the system via remote control. After visual confirmation that equipment is working as desired, seal door and post "SteraMist in Use" signage as needed.
10. Upon completion of dosing cycle, allow room to remain undisturbed for minimum 15 minutes contact time. After completion of contact time, aeration via HVAC, air scrubbers, etc. may commence.
11. Enter space wearing proper PPE and confirm delivery of desired dose. Confirm chemical indicators have all reacted to H_2O_2 as desired. Remove equipment from cold room.
12. Monitor air in cold room to confirm H_2O_2 levels have decreased below 1 ppm before turning room over to customer for entry without respiratory protection.

Note: Routine disinfection is highly recommended for elimination of pathogens on high touch surfaces that come into direct contact with the public each day. Emergency disinfection is highly recommended in cases of out breaks.