

## Why SteraMist<sup>™</sup> BIT<sup>™</sup>?

### **Did You Know This About Hospital Acquired Infections (HAIs):**

- HAI transmission is due 45% from environmental surfaces and 40% from patients
- Asymptomatic patients are as responsible for transmission and contamination as active infections?
- The first 48 hours of a C. diff infection is the most infectious and spreads the highest number of spores.
- Patients have a 40% increase in the risk of acquiring the same infection as the previous room occupant

*All statements are from SHEA 2016 abstract/oral presentation findings*



Hospitals are a mixture of environments and multiple approaches to disinfection have to be employed. Some areas are confined, some contain equipment, instruments and monitors, and some areas are large and dispersed with a variety of furniture and fabrics. In many cases, patients and visitors are close by.

Turnaround times for critical spaces are always a priority for hospital and environmental services staff (EVS). Often when pressure is too great, disinfection is compromised.

**“As a Director of Infection Control, here are the reasons I’ve found SteraMist™ BIT™ helps to solve these issues:”**

***Dr. Helene Paxton, PhD, CIC, Director of Infection Control at St. Francis Healthcare, Wilmington, DE***

1. It’s lightweight, easy to transport, and capable of achieving reliable disinfection.
2. It has multiple configurations and comes in two systems so it can be used as a handheld point and spray device or as a standalone, automated, remote controlled complete room fogging system.
3. The Activated Ionized Hydrogen Peroxide (AIHP) mist/fog works like a gas and has no limitations during application which does not it to be positioned critically to reach all areas, even crevices.
4. Is easy to apply - EVS staff training and ongoing support are provided by TOMI™.
5. SteraMist™ BIT™ can be taken to wherever it's needed at moment's notice.
6. Effective against Gram-positive bacteria such as MRSA and Gram-negative bacteria such as Pseudomonas, works on viruses such as Influenza A (H1N1), and will kill fungi and mold on non-porous surfaces. SteraMist™ BIT™ will even work in the presence of residual protein.
7. Requires no wipe, no rinse, leaves no residues. SteraMist™ BIT™ disinfects high touch hard non-porous surfaces. It’s not affected by shadowing or blocked by other equipment. High touch surfaces in rooms can be disinfected with the SteraMist™ Surface Unit in in 5 seconds per ft<sup>2</sup>, perfect for OR's and other high use areas. *C. diff*<sup>†</sup> rooms can be turned around in 75 minutes or less with the SteraMist™ Environment System, protecting incoming patients from contamination (this depends on room size).
8. During the Flu season, SteraMist™ can be used in nursing stations, play areas, nurseries, and other high traffic areas to reduce the viral burden on hard surfaces such as phones, key boards, and other surfaces.
9. The best thing about SteraMist™ BIT™ is the staff has confidence in its killing and disinfecting properties.
10. SteraMist™ BIT™ can be used in conjunction with other hospital based cleaners without interaction or ill-effect.
11. SteraMist™ BIT™ is economical, non-corrosive, and easy to apply.
12. Suitable for areas with high humidity conducive to mold contamination, especially relevant to chemotherapy and bone-marrow units.
13. When you re-enter the room, you can “smell the clean”.





SteraMist™ BIT™ can stand alone or can be used in combination with other systems a hospital may already be utilizing. In all cases, turn-around time and disinfection parameters are optimized to produce the safest patient environment. Due to the gas-like properties of the SteraMist™ BIT™ fog/mist, the healthcare environment's overall endemic viral and bacterial burdens are reduced; continued use will lower and prevent the risk of hospital acquired infections and their transmission.

#### **Points to Consider:**

#### **How does SteraMist™ compare to UVC systems**

1. SteraMist™ BIT™ is EPA registered for use as a Healthcare-Hospital Disinfectant (EPA Reg. No. 90150-2). UVC systems are not.
2. Performance claims are validated and specified in the labelling from EPA, UVC systems are not.
3. The efficacy of UVC systems in published literature is quite variable and inconsistent from user to user. UVC systems vary in their delivery of UV rays.
4. UVC systems have a long turn-around time and is dependent on position for effective disinfection.
5. UVC systems are affected by shadows and cannot reach crevices and hard to reach.
6. There is often a burning odor associated with the UVC units creating concern for patients.
7. SteraMist™ BIT™ does not require a large capital expenditure.

#### **SteraMist™ vs. other Hydrogen Peroxide Foggers**

1. SteraMist™ BIT™ uses a low concentration (7.8%) of H<sub>2</sub>O<sub>2</sub> which is ionized to its molecular constituents. There is little or no residual H<sub>2</sub>O<sub>2</sub> upon room fogging.
2. Other systems use high levels of hydrogen peroxide such as 35%.
3. SteraMist™ Surface Unit - point and spray application does not require shutting or blocking off vents.
4. SteraMist™ Surface Unit does not require sealing of room.
5. SteraMist™ BIT™ does not contain any other ingredients leaving a residual or offensive smell such as PAA.
6. SteraMist™ BIT™ does not use Ag+ ions leaving environmental concerns.
7. SteraMist™ Surface Unit has a quick turn-around time of 15-20 minutes depending on size of room compared to 1-2 hours for most other fogging systems.
8. SteraMist™ BIT™ is economical, non-corrosive, easy to apply, and is not cost prohibitive.
9. Maintenance is simple and fully supported by TOMI™ Service Technicians.