

Stratus Handheld Fogging of Microburst™ General Use Guidelines

The Stratus handheld fogging of Microburst™ hypochlorous acid as part of a bundled infection control plan for healthcare facilities disinfection is based on the Center for Disease Control and Prevention (CDC) environmental room and frequency guidelines.¹ Fogging should be performed once area cleaning has been completed for the removal of all organic material and soil.

RECOMMENDED DEPARTMENTS FOR STRATUS MICROBURST™ FOGGING AND FREQUENCY

- **General Patient Rooms**
Fog Microburst™ as part of the terminal cleaning process for all high- and low-touch surfaces, inclusive of floors. Application time is approximately 1-2 minutes depending on room size.
- **Intensive Care Unit Patient Rooms**
Fog Microburst™ around all high- and low-touch surfaces inclusive of floors as part of the terminal clean. Application time is approximately 1-2 minutes depending on room size.
- **General Consultation/Exam Rooms and Bathrooms**
Fog Microburst™ daily and as needed for all high-touch and low-touch surfaces, including floors. Application time is approximately 1-2 minutes.
- **Treatment Areas (e.g., Dialysis, Oncology)**
Fog Microburst™ for end-of-day terminal clean. Fog all surfaces, including the entire floor. Application time is approximately 3-5 minutes.
- **Procedural Areas (e.g., CCL, IR, LDR*)**
Fog Microburst™ before and after every patient procedure (between cases). Fog all high-touch surfaces, procedural tables and floors in the patient zone. Application time is approximately 1-2 minutes.

For end-of-day terminal clean, include scrub and handwashing sink areas. Application time is approximately 3-5 minutes.

**For [OR](#) and [ER](#) procedural areas please reference specific use guidelines.*

- **Ancillary Specialty Departments (e.g. SPD)**
Fog Microburst™ daily and as needed for all high-touch and low-touch surfaces, including floors. Application time is 1-2 minutes, pending area size.
- **Public Areas (e.g., Lobbies and Bathrooms)**
Fog Microburst™ daily and as needed for all high-touch and low-touch surfaces, including floors. Application time is approximately 1-2 minutes.

PRODUCT PREPARATION

- **Microburst™ Solution:** To activate, peel the sticker, press the cap and lightly shake the bottle. Let stand for 1 minute. The solution is effective for up to seven days.
- **Stratus Fogger:** Turn reservoir cap counterclockwise to open. Pour Microburst™ solution to desired level and replace cap. Do not exceed the maximum capacity of the reservoir tank.



APPLICATION GUIDELINES

- Remove any gross debris and visible soil; discard any used linens, per facility policy
- Manually clean area, per facility policy
- Apply Microburst™ surface disinfectant via Stratus Fogger using S-like motion at selected volume setting
- Surface disinfection requires a minimum of 1-minute contact time for most common pathogens
- Allow Microburst to air dry
- If needed, wipe any notable residual with low-lint towel

RECOMMENDED USERS

- ➔ EVS or clinical team members trained on product use guidelines

BACKGROUND

Healthcare-associated infections (HAIs) remain a threat to healthcare safety. According to the CDC, one in 25 patients is diagnosed with at least one HAI per year. These preventable infections are a major cause of disease, death and elevated medical costs. It is well documented that environmental contamination plays a role in the development and transmission of HAIs.

Effective and sustainable bundled strategies including the utilization of hand hygiene, transmission-based precautions, universal decolonization and environmental cleaning techniques that incorporate enhanced disinfection solutions are designed to improve patient and staff safety and prevent HAIs.²

Healthcare organizations continue to review and implement innovative, evidence-based technologies and protocols to elevate infection prevention standards for their organizations. Evidence has shown that less than 50% of surfaces are disinfected with standard, manual cleaning techniques.³

The fogging of Microburst™ has been proven to be an efficient adjunct practice for pathogen and surface bioburden reduction.⁴ Microburst™ is an EPA registered, non-toxic, hospital-grade disinfectant in which hypochlorous acid (HOCl) is the primary ingredient. HOCl has been proven to be effective against common HAI viral, bacterial and fungi pathogens, including C.Auris.⁵

The use of newer disinfection systems such as the Stratus handheld fogging of Microburst™ hypochlorous acid serve as valuable solutions for enhanced disinfection.

REFERENCES

¹<https://www.cdc.gov/healthcare-associated-infections/media/pdfs/environmental-cleaning-rls-508.pdf>

²<https://pmc.ncbi.nlm.nih.gov/articles/PMC6203442/>

³<https://www.aorn.org/outpatient-surgery/article/the-pros-and-cons-of-whole-room-disinfection-approaches>

⁴[Independent-Laboratory-Testing-Overview-Final-pdf-update-10012021-copy.pdf](#) (nevoainc.com)

⁵<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7892299/>