

## TERMINAL DISINFECTION CLEANING PROTOCOL USING STERAMIST<sup>TM</sup>

**POLICY:** All terminal rooms will be disinfected using TOMI's SteraMist<sup>TM</sup> Technology.

**PURPOSE:** To achieve an optimal disinfection in hospital room surfaces using a novel hydrogen peroxide mist technology.

**DEFINITION:** **SteraMist<sup>TM</sup> Surface Unit:** A fully portable EPA registered hand-held, point and spray disinfection system including solution.



Primary Materials
SteraMist <sup>TM</sup> Surface Unit and BIT <sup>TM</sup> Solution
Personal Protective Equipment (PPE)
MaxAir <sup>®</sup> Helmet with a Positive Pressure Air Flow System Including a Carbon Organic Filter
Air Scrubber with Dual Carbon Filters
Drager H <sub>2</sub> O <sub>2</sub> Monitor



**SteraMist<sup>TM</sup> Routine Terminal Clean**

*Checklist for disinfecting complete room:*

### Treatment Surfaces:

- ☐ Blood pressure cuff
- ☐ IV drip poles
- ☐ Inside of all cabinets and doors
- ☐ Table drawers
- ☐ Television
- ☐ Monitors
- ☐ Computers & keyboards
- ☐ Remote controls
- ☐ Vents (Ceiling)
- ☐ Waste baskets
- ☐ Privacy curtains
- ☐ Wheels
- ☐ Door handles
- ☐ Light switches
- ☐ Call lights & buttons
- ☐ Telephone and handsets

- ☐ Side of sharp containers
- ☐ Ventilators/respirators
- ☐ Wheel chairs
- ☐ Furniture
- ☐ Windows & Ledges
- ☐ All horizontal and patient surfaces area
- ☐ All inanimate objects
- ☐ Walls

### Bedding:

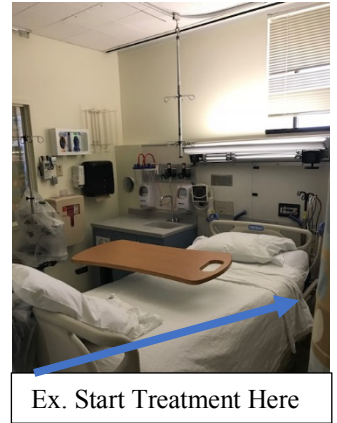
- ☐ Side bed rails
- ☐ Mattress
- ☐ Mattress frame
- ☐ Head and foot board
- ☐ Bed Wheels
- ☐ Undercarriage
- ☐ Over bed tables
- ☐ Positioning buttons

## PRE-DISINFECTION

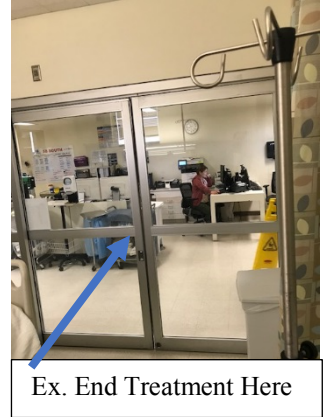
1. Place caution signage outside of room.
2. Don appropriate personal protective equipment (PPE): gown, gloves, shoe covers, and bouffant cap.
3. Follow hospital protocol for removing patient supplies.
4. Remove linens and trash (including liners) and remove privacy curtains as needed (*C. diff* rooms) following hospital specific process.
5. Damp dust and inspect room for any visible gross contamination. \*

## DISINFECTION

6. Obtain clean linen and trash liners, then **place in a clean plastic bag** for transport into the room. Ensure bag is tied so that it remains clean throughout the spraying process.
7. Bring in air scrubber and place in center of patient room (on a chair if not using TOMI terminal clean cart at the foot of the bed) with arrow facing up towards ceiling, adjust setting to level 5, and turn on.
8. Bring SteraMist™ Surface Unit into room for disinfection treatment.
9. Open all drawers, cabinets, and closets.
10. Check SteraMist™ Surface Unit to make sure that the BIT™ Solution bottle is properly placed in the cradle.
11. Plug SteraMist™ Surface Unit into electrical outlet, turn unit on and toggle switch to Spray mode (if unit was previously primed). Place unit on the cart in a centralized location in the room to minimize movement.
12. Put on MaxAir® Helmet and face shield.
13. Ensure room door is completely closed.
14. Before spraying the room, spray the air scrubber and surface where air scrubber will be placed.
15. When spraying, hold Applicator an arm length away from high touch surfaces being treated, approximately 24 inches. When possible, recommend approximate 4 seconds of trigger engagement at any one time before repositioning applicator.
  - a. Do **not** trigger applicator spray when moving to the next surface area or repositioning.
  - b. Spray at an angle to the surface being treated.
  - c. Do **not** spray room window drapes if present.
16. Begin spraying items on back wall in increments of 1 minute on and 1 minute off per area.
  - a. Move quickly throughout the patient room spraying all areas provided on checklist.
  - b. All smaller items (e.g. monitor, computer, cables, wires, keyboards, all medical instruments) should be sprayed for no longer than 4 seconds.
17. Do **not** mist any object or surface continuously for longer than 30 seconds.
18. Start from back corner of room moving in a circular fashion disinfecting equipment along path, towards the door.



19. Spray:
  - a. Mattress at head of bed, pause.
  - b. Lift mattress and spray underneath, pause.
  - c. Mattress at foot of bed, pause.
  - d. Lift mattress and spray underneath, pause.
  - e. Lift rails, spray outside and inside
  - f. Spray headboard and footboard
  - g. Raise bed and spray undercarriage.
  - h. Bed wheels.
  - i. Spray in a direction from clean to dirty, spraying any equipment in your path (in 4 second bursts), then side wall, then doors, and end with opposite wall and any portable equipment. Ensure spraying inside of drawers and cabinets.
20. Once all items on the checklist have been sprayed, spray SteraMist™ Surface Unit last (cord, cables and case). \*\*
21. Turn off machine.



### POST-DISINFECTION

22. Remove soiled glove, perform hand hygiene.
23. Don clean gloves.
24. With MAXAIR helmet remaining on remove clean linen and trash liners from bag. Make bed, replace trash liners.
25. Exit room and remove all PPE, including MaxAir® Helmet, and perform hand hygiene.
26. Open door and insert Drager H<sub>2</sub>O<sub>2</sub> Monitor to obtain level.
27. Leave air scrubber on until 1(or less) is shown on the Drager H<sub>2</sub>O<sub>2</sub> Monitor. If monitor reads greater than 1.0 then repeat in 3 minutes. If acceptable level is not reached within 15 minutes, contact EVS supervisor.
28. Replace privacy curtain if removed prior to treatment.
29. Remove caution signs, air scrubber, and SteraMist™ Surface Unit and notify nursing staff per protocol to release room for use.
30. Follow hospital policy for cleaning MaxAir® Helmet before returning to cart.

\* If gross contamination or any organic debris is identified, use hospital approved disinfectant and follow gross contamination cleaning protocol.

\*\* Clean hand-held applicator with hospital approved wipe before placing back into unit storage case.

*If technical difficulties with SteraMist™ unit occur, or unable to complete room disinfection, contact EVS unit supervisor.*

**Suggested SteraMist Disinfection Treatment approach of a sample patient room, Use as a model only.**

