

Activate™ Bleach Sprayer Dilution System - Technical Memo

PRODUCTS:

Activate™ Bleach Sprayer with Refillable 11 Ounce Water Cartridge	Each	Case of 12
Activate™ Bleach Cartridge Refills, 11 Ounce, Disposable	Part 5101	Part 5102

Additionally Needed:

Activate™ High-Level Chlorine Test Strips	Part 5100
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For storage requirements and expiration date refer to individual product labels.

APPLICATION:

Newcomer Supply Activate™ Bleach Sprayer with Refillable 11 Ounce Water Cartridge is a dual liquid non-aerosol sprayer dilution system that automatically dilutes and dispenses 5.25% EPA-registered bleach to a 10% bleach solution (5000 ppm sodium hypochlorite). This on-demand system maintains bleach and water in separate containers ensuring that the bleach solution is continually fresh and effective, while eliminating safety hazards and human error in manually mixing bleach solutions.

Newcomer Supply Activate™ Bleach Cartridge Refills, 11 Ounce, Disposable are easy to install bleach cartridges with each cartridge making approximately one gallon of 10% bleach solution.

Newcomer Supply Activate™ Bleach Sprayer and Activate™ Bleach Cartridge Refills are safe and effective for use in healthcare, research and veterinary facilities.

ACTIVATE™ BLEACH SPRAYER PROCEDURE:

1. Open locking tab on water side of the bleach sprayer and remove water bottle.
2. Fill the empty water bottle with cool tap water and insert the sprayer's tube down into the filled water bottle.
3. Re-install the water bottle onto the sprayer and close the locking tab; ensure that the locking tab is firmly in place.
4. Remove the threaded plastic cap from the bleach sprayer cartridge.
 - a. *Do not puncture or tamper with the plug that is in the neck of the bleach sprayer cartridge. It must remain intact in order for the bleach sprayer to dilute the bleach at the proper 10:1 dilution rate.*
5. Open locking tab on bleach side of the sprayer.
6. Install bleach cartridge and close the locking tab; ensure that the locking tab is firmly in place.
7. Point the bleach sprayer into a sink or basin, pump the trigger 20 times to prime the system.
8. Once primed the bleach sprayer is ready to use.
9. Hold the sprayer 6 to 8 inches from the surface to be cleaned/disinfected.
 - a. *Surfaces should be pre-cleaned of any loose dirt, debris, contaminants and/or food materials.*
 - b. *See Procedure Notes #1, #2 and #3.*
10. Spray Activate™ until all surfaces are thoroughly wet.
11. Let Activate™ bleach solution stand for 2 to 4 minutes or according to minimum contact times:
 - a. *Viricide: Allow a minimum of 30 seconds contact time at room temperature (HIV-1 and HBV)*
 - b. *Bactericide: Allow a minimum of 2 minutes contact time at room temperature (MRSA and Bacteria)*
 - c. *Sporicide: Allow a minimum of 4 minutes contact time at room temperature (Clostridium difficile)*
12. Wipe surface with a clean cloth or paper towel; air dry.
 - a. *Food and/or animal contact surfaces should also be thoroughly rinsed with potable water.*

13. Refill water bottle or replace bleach cartridge as needed.
 - a. *Sprayer will stop spraying if bleach and/or water bottles are empty.*
 - b. *See Procedure Notes #4 and #5.*
14. Periodically test the sprayed bleach solution for available chlorine with Activate™ High-Level Chlorine Test Strips (5100).

PROCEDURE NOTES:

1. Always wear appropriate personal protection equipment (PPE) for the disinfection/cleaning method used.
2. Activate™ bleach solution is safe for use on hard, non-porous surfaces such as porcelain, tile, marble, plastic, glass and other colorfast surfaces.
3. Use Activate™ bleach solution on stainless steel instruments only. Prolonged contact with metal surfaces may cause discoloration or pitting. Rinse metal surfaces with clean water immediately after application.
4. The water cartridge will need to be refilled 9 times before a single bleach cartridge is emptied.
5. Re-prime the sprayer after installation of each new bleach cartridge.
6. Do not use or mix with other cleaning chemicals.

REFERENCES:

1. Dapson, Janet Crookham, and Richard Dapson. *Hazardous Materials in the Histopathology Laboratory: Regulations, Risks, Handling, and Disposal*. 4th ed. Battle Creek, MI: Anatech, 2005. 231.
2. Rutala, William A., and David J. Weber. "Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008." (2008). *CDC Public Health Publications*.
3. Modifications developed by Newcomer Supply Laboratory.