

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 non-aerosol sprayer system that maintains bleach and water in separate containers, and automatically mixes and dispenses a 10% bleach solution every time the sprayer trigger is pulled.

- Ensures the bleach solution is continually fresh and effective.
- Prevents bleach from degrading, always a 10% solution.
- Eliminates the hazard of mixing bleach solutions by hand.
- Fast contact time for practical disinfecting.
- Each Activate™ Bleach Cartridge Refills, 11 Ounce, Disposable, makes approximately one gallon of 10% bleach.
- Safe and effective for healthcare, research and veterinary facilities.

ACTIVATE™ BLEACH SPRAYER PROCEDURE:

1. Open locking tab on water side of the sprayer; remove water bottle.
2. Fill water bottle with cool tap water and insert sprayer tube.
3. Re-install water bottle onto sprayer; firmly close locking tab.
4. Remove threaded plastic cap from bleach sprayer cartridge.
 - a. *Do not puncture or tamper with plug in the neck of the bleach sprayer cartridge.*
5. Open locking tab on bleach side of the sprayer.
6. Install bleach cartridge; firmly close the locking tab.
7. Point bleach sprayer into the sink, pump trigger 20 times to prime.
8. Once primed the bleach sprayer is ready to use.
9. Hold sprayer 6 to 8 inches from surface to be cleaned/disinfected.
 - a. *Pre-clean surfaces of any loose dirt and debris.*
 - b. *See Procedure Notes #1 and #2.*
10. Spray Activate™ bleach until all surfaces are thoroughly wet.
11. Allow to react for 2 to 4 minutes or 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 towels; air dry.
 - a. *Rinse food and animal contact surfaces with potable water.*
13. Refill water bottle or replace bleach cartridge as needed.
 - a. *Sprayer will stop if bleach or water bottles are empty.*
 - b. *Water bottle will require 9 refills before a single bleach cartridge is emptied.*
 - c. *Prime sprayer after installation of a new bleach cartridge.*
14. Periodically test sprayed bleach solution for available chlorine with Activate™ High-Level Chlorine Test Strips (5100).

PROCEDURE NOTES:

1. Activate™ bleach solution is safe on hard, non-porous surfaces such as porcelain, tile, marble, plastic, glass and colorfast surfaces.
2. Use Activate™ bleach solution on stainless steel instruments only.
 - a. *Prolonged contact with metal surfaces may cause discoloration or pitting.*
 - b. *Rinse metal surfaces with water after application.*
3. Do not use or mix with other cleaning chemicals.
4. For additional product information and instructions refer to Newcomer Supply website.

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.