

Environmental Cleaning and Disinfection Tips

Key Terms

Broad-spectrum virucide: a disinfectant, which would be expected to inactivate most enveloped and non-enveloped viruses.

Cleaning: the physical removal of foreign material (e.g., dust, soil) and organic material (e.g., blood, secretions, excretions, microorganisms). Cleaning physically removes microorganisms.

Contact time: the time that a disinfectant must be in contact with a surface or device to ensure that appropriate disinfection has occurred.

Disinfection: the inactivation of disease-producing microorganisms except bacterial spores. Thorough cleaning is required first before effective disinfection can take place.

Mycobactericide: a disinfectant capable of irreversibly inactivating mycobacteria present on environmental surfaces and inanimate items.

Sporicide: a disinfectant capable of inactivating bacterial spores.

Virucide: a disinfectant capable of inactivating viruses. Virucides may be only active against a limited number of viruses listed on the label.

Choosing your disinfectant:

- **Use the right product for the right organism.**
 - Refer to the MSDS sheet or product label to determine its kill claims. A Drug Identification Number (DIN) must be present to confirm claims were verified.

Kill Claims	Outbreak Examples
Broad-spectrum virucide (Poliovirus type 1, Human adenovirus type 5, Bovine parvovirus, Canine parvovirus, or Feline calicivirus)	Non-enveloped viruses such as Norovirus, Rhinovirus, Adenovirus
Mycobactericide (<i>Mycobacterium bovis</i> , <i>Mycobacterium terrae</i>)	Tuberculosis
Virucide	Enveloped viruses such as Influenza, RSV, Parainfluenza virus, Coronavirus, Human Metapneumovirus
Sporicide	<i>C. difficile</i>

- **Follow manufacturer's instructions.**
 - Store the disinfectant properly.
 - Dilute or prepare the disinfectant using precise measurements.
 - Allow surfaces to remain wet for the required contact time. Disinfectants with a shorter contact time are preferred.

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Sault Ste. Marie
294 Willow Avenue
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Wawa
18 Ganley Street
Wawa, ON P0S 1K0
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Daily cleaning checklist for an ill resident's room during an outbreak:

- ✓ Plan to clean ill residents rooms last.
- ✓ Use a fresh bucket, cloths and mop head. Do not double dip cloths into bucket with cleaning solution in order to avoid cross contamination.
- ✓ Always work from the cleanest areas to the dirtiest areas. Remove gross soil (ex. vomit, blood) before cleaning and disinfecting.
- ✓ Check for visible soiling on walls and clean if required.
- ✓ Clean all horizontal surfaces and high-touch surfaces from top to bottom (tables, bed rails, call bells, work surfaces, mattresses/covers, doorknobs, sinks, light fixtures, chairs, phone, TV controls, soap dispensers).
- ✓ Clean bathroom, working from sink area to toilet area then all floors last.

Enhanced environmental cleaning checklist during an outbreak:

- ✓ Increase routine cleaning of all high-touch surfaces such as door handles, bed railings, handrails, light switches, elevator buttons, over-bed tables, dining tables and counters.
- ✓ Increase the cleaning and disinfecting of all surfaces in the ill resident's immediate environment.
- ✓ Clean and disinfect shared resident equipment after each use and discard disposable equipment before leaving the resident's room.
- ✓ If possible, dedicate specific equipment to each ill resident.
- ✓ Promptly clean and disinfect surfaces contaminated by stool and vomit.
- ✓ Clean soiled carpets and soft furnishings with hot water and detergent or steam clean – vacuum cleaning is not recommended.

Resources:

1. *Recommendations for the Control of Gastroenteritis Outbreaks in Long-Term Care Homes (MOHLTC, 2018)* - http://www.health.gov.on.ca/en/pro/programs/publichealth/oph_standards/docs/reference/Control_Gastroenteritis_Outbreaks_2018_en.pdf
2. *Best Practices for Environmental Cleaning for Prevention and Control of All Infections in All Healthcare Settings (PIDAC, 2018)* - <https://www.publichealthontario.ca/-/media/documents/bp-environmental-cleaning.pdf>
3. *GUIDANCE DOCUMENT- Safety and efficacy requirements for hard surface disinfectant drugs* - https://www.canada.ca/content/dam/hc-sc/migration/hc-sc/dhp-mps/alt_formats/pdf/prodpharma/applc-demande/guide-ld/disinfect-desinfect/hard-surface-surfaces-dures-eng.pdf