

## CDC GUIDELINES FOR DISINFECTION OF DAY CARE FACILITIES

Cleaning and disinfecting are very different. In order to kill the organisms causing disease, specific methods for disinfecting must be followed if Cryptosporidia or Shigella has been diagnosed in a daycare attendee or caregiver.

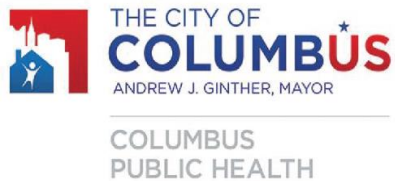
### Cleaning and Disinfecting for Cryptosporidiosis

During an outbreak, probable contaminated surfaces should be cleaned in a different process than everyday cleaning. These are not routine measures, but are special measures for outbreaks only. An outbreak is usually 2 or more cases in the same child care group.

- Crypto is resistant to chlorine disinfection so it is tougher to kill than most germs. The usual disinfectants, including most commonly used bleach solutions, have little effect on Crypto
- Instead of a bleach solution, use a 3% concentration of hydrogen peroxide to soak contaminated surfaces for 20 minutes (99% inactivation).
- Crypto is not killed by alcohol gels and hand sanitizers so these materials are of little use in controlling an outbreak.
- Directions for cleaning:
  - Remove as much organic material as possible
  - Clean with soap and water; let dry
- Directions for disinfecting:
  - Soak contaminated surfaces with hydrogen peroxide for 20 minutes
  - Rinse off surface and allow surface to dry

### Cleaning for Shigellosis

- Shigella can be cleaned with routine cleaning agents (marked "disinfectant") or a bleach solution
- To prepare a bleach solution:
  - Mix one part bleach with nine parts of water
  - Shake well
  - Mix the solution daily; discard after 24 hours
  - Keep in a dark bottle or a dark place since light deactivates the bleach
- Directions for cleaning:
  - Remove as much organic material as possible
  - Clean with soap and water; let dry
- Directions for disinfecting:
  - Soak contaminated surfaces with bleach solution or disinfectant for 10 minutes
  - Rinse off surface and allow surface to dry



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### Cleaning for Cryptosporidiosis and Shigellosis

- It is not certain that hydrogen peroxide kills Shigellosis and it is known that bleach and other disinfectants do not kill Cryptosporidiosis
- In a situation where a day care has children or teachers with both diseases, follow these guidelines:
  - Remove as much organic material as possible
  - Clean with soap and water; let dry
  - Soak contaminated surfaces for 10 minutes with the bleach solution; let dry
  - Rinse off surface and allow surface to dry
  - Soak contaminated surfaces for 20 minutes with hydrogen peroxide
  - Rinse off surface and allow surface to dry

### General Directions for Cleaning/Disinfecting

- Soak contaminated surfaces, as directed
- Disinfect bathrooms, diaper areas, and food preparation surfaces daily
- Disinfect toys, tabletops, and high chairs more frequently than usual (at least twice daily)
- Dishwasher-safe toys can be disinfected in a commercial dishwasher that has a dry cycle or a final rinse that exceeds 113°F for 20 minutes or 122°F for 5 minutes or 162°F for 1 minute
- Cloth toys may be washed and heat-dried for 30 minutes on the highest clothes dryer heat setting



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