



Chemical Disinfection Protocol (Bleach Treatment)

Examples: cultures, supernatants, media.

1. Add 1:10 dilution of industrial strength bleach (12% sodium hypochlorite). The final sodium hypochlorite concentration should be ~1% (i.e. ad one part bleach to nine parts liquid waste).
2. Swirl solution to mix in bleach.
3. Let waste sit for minimum thirty minutes in a fume hood after addition of bleach. It is now safe to pour down the sink.
4. Triple rinse the container and dispose of rinse solution in the sink to remove any bleach residue from the container.

Notes:

- Do not let waste collect. Treat and dispose frequently and/or daily.
- Bleach has a shelf life; do not use bleach older than 6 months.
- If waste contains significant amounts of visible suspended solids, pass through a coarse filter prior to sink disposal. Dispose of the suspended solid debris in a yellow 20 litre biohazardous waste pail.
- No solidifying or coagulating material can be poured down the sink. These types of materials must be left to solidify and then be disposed of in the solid yellow 20 litre biohazard waste pails.
- Chlorine resistant pathogens MUST be autoclaved.
- If cultures have been treated with toxic chemicals or hormones, contact OHSE ohs@uvic.ca , as a different disposal option will be required other than safe sink disposal.

