



WESTERN MICHIGAN UNIVERSITY

INSTRUCTIONS FOR MAKING DISINFECTING SOLUTIONS:

Note ALL spray bottles must be labeled with the contents of the bottle.

BLEACH SPRAY: Unexpired household bleach will be effective against coronaviruses when properly diluted.

- Check the label to see if your bleach is intended for disinfection and has a sodium hypochlorite concentration of 5%–6%. Ensure the product is not past its expiration date. Some bleaches, such as those designed for safe use on colored clothing or for whitening may not be suitable for disinfection.
- Follow manufacturer’s instructions for application and proper ventilation. *Never mix household bleach with ammonia or any other cleanser.*
- Leave solution on the surface for at least 1 minute.
- Wipe up with paper towels

To make a bleach solution, mix:

5 tablespoons (1/3rd cup) bleach per **gallon** of room temperature water

OR

4 teaspoons bleach per quart of room temperature water

Bleach solutions will be effective for disinfection up to 24 hours, so make as needed daily, no need to fill spray bottles all the way.

ALCOHOL SOLUTIONS:

Alcohol solutions with at least 70% alcohol may also be used. Please note you must check and make sure it is 100% alcohol and if not adjust your dilutions. Alcohol can be expensive and hard to find, but does not need to be made every day. We recommend Isopropyl Alcohol (IPA) vs. Ethanol. Please note alcohols are flammable even %70 IPA, so do not store in the sun or near heat or use near open flames.

For 70% ethanol: 7 parts alcohol to one part water
so use 1 and 3/4 cups alcohol with ¼ cup water.