

# USING BLEACH IN BIOLOGY LABS



10% Bleach is a common disinfectant in biology labs

## But remember bleach is

- Hazardous Chemical
- Sodium hypochlorite (NaOCl)
- Corrosive
- Oxidizer



Bleach can react with other chemicals and should **never** be stored with or mixed with the following:

Bleach mixed with...	...such as...	...creates	Hazard
Acids and acidic compounds	hydrochloric acid	chlorine gas	
Ammonium salts, amines, nitriles	ammonium hydroxide	chlorine and chloramine vapors	
Guanidinium salts	RNA/DNA extraction kits	chloramines and other toxic gases	
Hydrogen peroxide		violent release of oxygen	
Alcohols	ethanol, methanol, isopropanol	toxic/carcinogenic chlorinated chemicals	
Heat (autoclaving)		chlorine gas	



Store bleach in a secondary container and separate from incompatibles

Always wear proper lab attire and PPE when working with bleach:



Proper Lab Attire



Lab Coat



Gloves



Eye Protection

Need help? Contact Safety!

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