

Common Disinfectants at used in Research Labs at Clemson

(Note: This does not include disinfectants used in facilities or health care settings)

Name	Active Ingredient	Organism Effective	Contact Time	Other
Bleach	Sodium Hypochlorite	Most, BBP	For BBP, 10-20 min	Use fresh dilution of 1:10 bleach
70% ethanol	Alcohol	Bacteria, NOT for BBP	10-30 minutes	Evaporates quickly which affects long contact times
Cavicide	Isopropanol	Most pathogens	2-3 minutes, cavicide 1 is 1 minute	
Dispatch	Sodium Hypochlorite	Most	1-2 minutes	Comes ready to use.
Oxivir	Hydrogen Peroxide	Most	1 minute	Pre clean surfaces for best results
Isopropanol	Alcohol	Does not work for spores	10-30 minutes	70% is an effective dilution
Perisept	Hydrogen peroxide/peroxyacetic acid	C. diff and other spore formers	2-5 minutes	
BacDown	Quaternary Ammonia	Bacteria plus others	10 minutes	Clean organic material first
Vedco D-156	Quaternary Ammonia	Bacteria	10 minutes	Not for BBP
Vimoba	Chlorine Dioxide based – toxic.	Multiple	10 minutes	Animal use, can be used in the presence of organic material
MB-10	Chlorine Dioxide based	Multiple	10 minutes	Comes in tablet form
Peroxigard	Hydrogen peroxide	Most pathogens	Contact time depends on specific product, usually 1-3 minutes	Can be used in the present of organic material

For other approved disinfectants, please see the appropriate EPA list or Pathogen Safety Data Sheet:

- <https://www.epa.gov/pesticide-registration/selected-epa-registered-disinfectants>
- <https://www.canada.ca/en/public-health/services/laboratory-biosafety-biosecurity/pathogen-safety-data-sheets-risk-assessment.html>