

Lonza
Specialty Ingredients



Cleaning

VS.



Disinfecting

“Coronaviruses are enveloped viruses, meaning they are one of the easiest types of viruses to kill with the appropriate disinfectant product.”

US EPA Press Release, March 5, 2020¹

When it comes to fighting the spread of COVID-19, **regular handwashing, cleaning and disinfection of high-touch, hard surfaces are critical.** For disinfecting those surfaces though, it is important to use the right products.

Cleaning is different than disinfecting and most cleaners are not disinfectants.



1. <https://www.epa.gov/newsreleases/epa-releases-list-disinfectants-use-against-covid-19>

Cleaning



Removes germs, dirt, and impurities from surfaces or objects.



Can be done with soap or detergent and water.

VS.

Disinfecting



Actually kills germs on surfaces and objects.



Should be done using US EPA listed disinfectants and ingredients.

Quats

US EPA has listed² a number of ingredients for disinfection against SARS-CoV-2 – including a set of chemical formulations based on Quaternary Ammonium Compounds (Quats) as the active ingredient

Quats are trusted ingredients used to formulate effective disinfectants.



Quats can **kill dangerous microorganisms** even at very low concentrations and are **effective against a broad range of germs**. Some common quats listed by the US EPA³ to be used against coronaviruses include:



**Alkyl Dimethyl Benzyl
Ammonium Chloride**



**Dioctyl Dimethyl
Ammonium Chloride**

2. <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>

3. <https://www.epa.gov/pesticide-registration/list-n-disinfectants-use-against-sars-cov-2>