

# Is Benzalkonium Chloride Useful For Coronavirus (COVID-19)?

Mar 18, 2020



[Coronavirus \(COVID-19\)](#) pneumonia is highly contagious and is transmitted mainly through the respiratory tract and contact. At present, there is no effective treatment and the mortality rate of the disease is high. Therefore, prevention and control is the key link to prevent the spread of Coronavirus (COVID-19).

At present, there are many types of disinfection solutions on the market, and the brands are messy. Choosing a good disinfectant to disinfect contacts and the public environment is very important for epidemic prevention. Benzalkonium chloride is a typical dual-function disinfectant, which can kill bacteria / fungus and kill / inhibit viruses. It has a strong killing effect on a variety of pathogenic bacteria / fungus and viruses, so it is widely used in various scene disinfection.



In addition, benzalkonium chloride is colorless, fragrant and non-irritating, and can be used for surgical wounds and skin and mucous membrane disinfection. Benzalkonium chloride is inert, non-flammable, non-volatile, and good stability does not cause the risk of burning. The ingredients are stable and less oxidized. It can be maintained for 4-5 hours after a single spray in public places, which can continuously kill / inhibit viruses.



Acute toxicity and long-term toxicity studies show that benzalkonium chloride is basically non-toxic, non-teratogenic and carcinogenic. Multi-center studies suggest that benzalkonium chloride is safe for maternal, infant and young children.

In summary, benzalkonium chloride solution is a highly effective and safe dual-function disinfectant, which can be used for disinfection in multiple scenarios