

surfactant / sər'fæk tənt

Noun

A substance, such as a detergent, that:

- Can break down the lipid layer that surrounds enveloped viruses, such as coronavirus & HIV
- Is produced by various Bacillus sp. such as Bacillus subtilis (biosurfactant - surfactin)

Biologicals. 1997 25(3):289-97

Mechanism of inactivation of enveloped viruses by the biosurfactant surfactin from Bacillus subtilis. Vollenbroich D, Ozel M, Vater J, Kamp RM, Pauli G.

Origin

surface-active agent



WASH HANDS FOR A MINIMUM OF 20 SECONDS

HOW DOES IT DESTROY THE VIRUS?

Soap molecules dissolve the fatty outside layer of the virus. Any type of soap is effective, so it doesn't matter what type you use.

THE ANATOMY OF THE VIRUS

Coronaviruses are a group of viruses. The specific coronavirus that causes COVID-19 is called SARS-CoV-2.



SARS-CoV-2 is a new virus, so there's currently no treatment for it. By cleaning hands and surfaces we can stop it spreading.



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*Contains Surfactant

**Contains Bacillus subtilis

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For Hospitals, Clinics, Nursing/Elderly Care Homes & Practices

Infect Drug Resist. 2019 12:501-510. Impact of a probiotic-based hospital sanitation on antimicrobial resistance and HAI-associated antimicrobial consumption and costs: a multicenter study
Elisabetta Caselli, Luca Arnoldo, Carla Rognoni, Maria D'Accolti, Irene Soffritti, Luca Lanzoni, Matteo Bisi, Antonella Volta, Rosanna Tarricone, Silvio Brusaferrò, and Sante Mazzacane.



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