

Novel Coronavirus (2019-nCoV; Wuhan coronavirus) Prevention and disinfection

Chemi-Pharm Ltd.

Recently detected **2019-nCoV outbreak** of respiratory illness has occurred, affecting both patients and healthcare workers worldwide [1]. It has been suggested that healthcare workers who are exposed to coronavirus patients can be infected with the virus, regardless of the intensity of exposure.

The novel coronavirus (2019-nCoV; Wuhan coronavirus), is positive-sense, enveloped, single-stranded RNA coronavirus, firstly identified by authorities in Wuhan, Hubei, China.

2019-nCoV is a contagious virus that causes respiratory infection and has shown evidence of human-to-human transmission. Genetic sequences of named 2019-nCoV have shown similarities to SARS-CoV.

Considering there is neither specific antiviral treatment nor vaccine to prevent 2019-nCoV, you have to pay an extreme attention to avoid being exposed to the virus.

It is recommended that wearing a **face mask** is the most important infection control tool, followed by appropriate **hand hygiene**, suggesting that droplets and hands play a major role in transmission of coronavirus. Hands may be contaminated by patient excretions or contact with contaminated surfaces. From the inanimate environment, nosocomial pathogens can be transmitted to hands quite easily.

Moreover, health care workers should perform hand hygiene frequently and in particular after removing gloves and gown; before removing a mask/facial protection or respirator; after touching respiratory secretions and after leaving the room; preferably using an **alcohol-based hand rub (60-90%) within at least 15–30 seconds** or soap and water if hands are visibly soiled.

It is well known and also cited in CDC and WHO guidelines [1, 2], that **alcohols** have immediate and notable **activity against many different enveloped viruses** such as coronaviruses, orthopoxvirus, influenza A virus, herpes simplex virus type 1 and 2, Newcastle disease virus, togavirus, vaccinia virus, BVDV, HBV, HCV, HIV etc.

Chemi-Pharm Ltd. has a long selection hand, surface and instrument disinfectants (with active ingredients like alcohols; amines; QACs - quaternary ammonium compounds; CHG; chlorine etc.) that have test report proofs for efficacy against various enveloped viruses.

Please find our products that are effective against all enveloped viruses including Coronaviruses. Presented in tables.



HAND AND SKIN DISINFECTION

Product name	Active ingredient	Concentration	Time of effect
Chemisept MED	Alcohols	Ready-to-use	15 seconds
Chemisept GEL	Alcohols	Ready-to-use	15 seconds
Chemisept	Alcohols	Ready-to-use	15 seconds
Chemisept Vir+	Alcohols	Ready-to-use	15 seconds
Chemisept Hand Des	Alcohols	Ready-to-use	15 seconds
Chemisept G	Alcohols	Ready-to-use	15 seconds
Chemisept G Color	Alcohols	Ready-to-use	15 seconds
Chemisept FG	Alcohols	Ready-to-use	15 seconds
Chemisept HF	CHG	Ready-to-use	15 seconds
Aloe Skinsept	Alcohols	Ready-to-use	15 seconds
Swell Extra CHG	CHG	Ready-to-use	90 seconds

SURFACE AND INSTRUMENT DISINFECTION

Product name	Active ingredient	Concentration	Time of effect
Bacticid AF	Alcohols	Ready-to-use	15 seconds
Bacticid AF Wipes	Alcohols	Ready-to-use	15 seconds
Bacticid	Alcohols	Ready-to-use	30 seconds
Bacticid Wipes	Alcohols	Ready-to-use	30 seconds
Sterisept Plus	Amine and QAC	0,25 %; 0,5 %	10 min, 5 min
Sterisept Instru	Amine and QAC	0,25 %; 0,5 %	10 min, 5 min
Sterisept	Amine and QAC	3 %	15 min
Sterisept Wipes	Amine and QAC	Ready-to-use	30 seconds
Sterisept RTU	Amine and QAC	Ready-to-use	30 seconds
Sterisept Forte	Amine and QAC	0,25 %	15 min
Chlorinex-60	Active chlorine	1 tab/1,5 L	15 min
Chemides Pulver	Peracetic acid	0,5 %	5 min
Chemipharm Des New	QACs	0,5 %	5 min

Chemihyd Des	Glutaraldehyde	Ready-to-use	10 min
Smell Net MD	QAC	2 %	15 min

It is required to use each product as presented in specific instruction of use. Follow safety precautions.

All our products are presented in our homepage [3].

References:

1. <https://www.who.int/emergencies/diseases/novel-coronavirus-2019>
2. <https://www.cdc.gov/coronavirus/2019-ncov/about/prevention-treatment.html>
3. <https://www.chemi-pharm.com/en/products>

Sander Piiskop

PhD
Development Manager
Chemi-Pharm AS

27.02.2020

