

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 |
|--------------------|-------------------|---------------|----------------|
| Bactacid AF | Alcohols | Ready-to-use | 15 seconds |
| Bactacid AF Wipes | Alcohols | Ready-to-use | 15 seconds |
| Bactacid | Alcohols | Ready-to-use | 30 seconds |
| Bactacid 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 |

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|--------------|----------------|--------------|--------|
| 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>

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