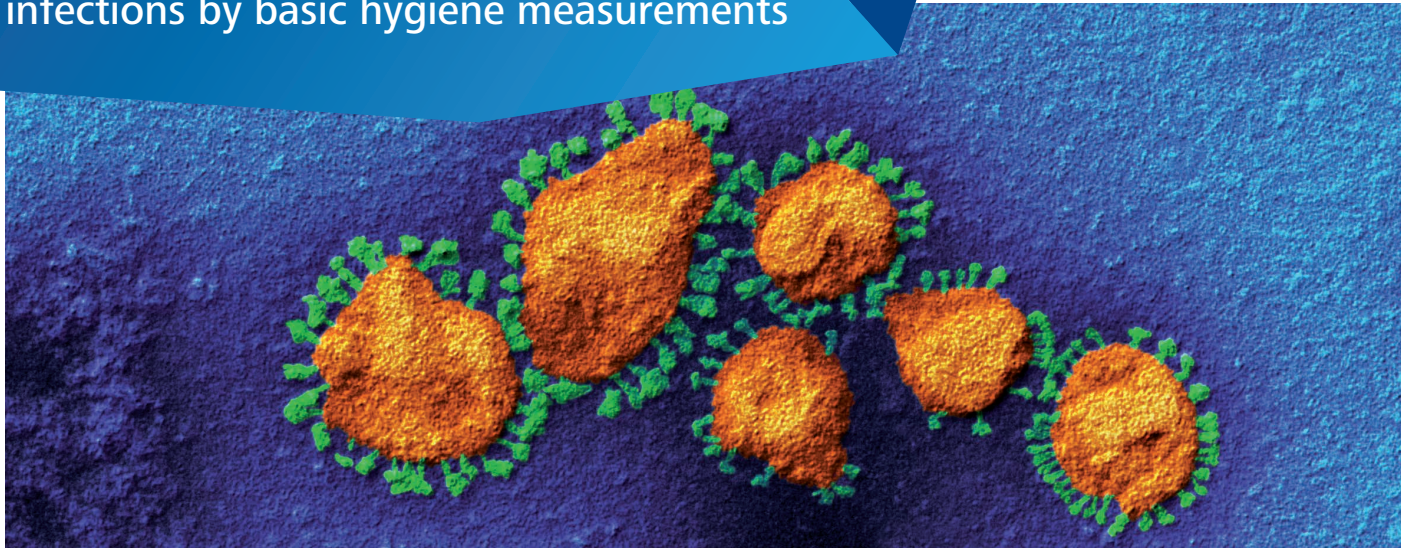


DISINFECTION

Coronaviruses

The pathogens' risk potential – preventing infections by basic hygiene measurements





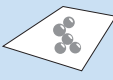
What are coronaviruses?

Coronaviruses belong to the family of *Coronaviridae*. These enveloped viruses may cause respiratory tract infections, such as bronchitis, colds or severe acute respiratory syndrome and gastrointestinal infections.

Important representatives within the family of *Coronaviridae* are: SARS-CoV (Severe Acute Respiratory Syndrome coronavirus) and MERS-CoV (Middle East Respiratory Syndrome coronavirus). In December 2019, several cases of pneumonia caused by a novel coronavirus (SARS-CoV-2) were reported in Wuhan City (China).

Hygiene measures can considerably reduce the risk of infection with coronaviruses. One crucial element of infection prevention is a consequent basic hygiene including hand disinfection and surface disinfection.

What are the paths of infection?

Transmission path	Carrier
Droplet infection 	Airborne droplets that are produced during speaking, sneezing or coughing can be transported short distances and by this reach other persons' respiratory tracts and mucous membranes.
Direct transmission 	Hands, e.g. of medical and nursing staff.
Indirect transmission 	When touching contaminated surfaces, e.g. bedside tables, bedframes, stethoscopes, etc., the hands can be contaminated with virus particles which can then be transmitted to other persons.

What symptoms does a coronavirus infection have?

Coronaviruses may cause respiratory tract infections, such as the common cold or gastrointestinal infections. Symptoms include fever, headache, runny nose or cough. But some coronaviruses may also cause severe lower respiratory tract infections like pneumonia or bronchitis which can lead to acute respiratory distress syndrome (ARDS).

Which disinfectants can be used?

Focus on basic hygiene measurements in general. Always use disinfectants with an efficacy against enveloped viruses.

HARTMANN disinfection products for hands (Sterillium range), skin (Cutasept range), surface (Bacillol range, Kohrsolin range, Mikrobac range, Dismozon range) and instruments (Bomix plus, Korsolex range) fulfil the requirements and can be used.

For terminal disinfection peroxide-based products (Dismozon range) should be used.



Research for
infection protection
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STAY CALM AND CLEAN YOUR HANDS

References and further information:

1. <https://www.who.int/health-topics/coronavirus>
2. <https://www.bode-science-center.com/center/relevant-pathogens-from-a-z/coronavirus.html>
3. <https://www.cdc.gov/coronavirus/about/index.html>
4. https://www.rki.de/DE/Content/InfAZ/C/Coronavirus-Infektionen/Coronavirus-Infektionen_Krankheit.html

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