

NOVEL CORONAVIRUS

WE HELP TO PROTECT YOU AND YOUR FAMILY

HAND HYGIENE

SURFACE AND FLOOR HYGIENE

TEXTILE HYGIENE



CHRISTEYNS

FEEL OUR PASSION

Since early January 2020 an increasing number of infections with an unknown virus, causing symptoms greatly resembling viral pneumonia, have been reported in China. The outbreak, including some fatal cases, began in Wuhan City, but in the meantime cases have already been reported in other countries including the US, Europe and Australia.

The virus has been identified as a novel type of **coronavirus, COVID-19**.

CHARACTERISTICS OF THE VIRUS

This novel coronavirus belongs to a family of viruses that include the common cold, and viruses such as SARS and MERS.

Some coronaviruses can cause illness in animals. Rarely animal coronaviruses can infect people. This new type is named COVID-19. It is also referred to as Wuhan coronavirus. It is an enveloped, single-stranded RNA virus **sensitive to disinfection and bleach**.

MODE OF TRANSMISSION

The exact mode of transmission is still **unknown**. Most initial patients had reported exposure to a seafood and live animal market, suggesting a zoonotic source of the outbreak. According to Chinese researchers, it is likely that bats are the native host of the COVID-19.

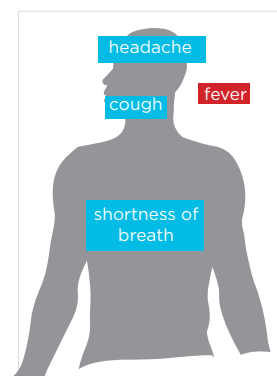
Where human-to-human transmission occurs, it will most likely be

- through direct contact with case-patients,
- by respiratory droplets, and
- by contaminated surfaces and objects, as is also seen with SARS and MERS-infections.

SYMPTOMS

For confirmed COVID-19 infections, reported illnesses have ranged from people being mildly sick to people being severely ill and dying. Symptoms can include:

- Fever
- Cough
- Shortness of breath
- Headache



The virus leads to a serious form of pneumonia and can be fatal. It is believed that the symptoms of COVID-19 may appear in as few as **2 days** or as long as **14 days** after exposure. This is based on what has been seen previously as the incubation period of MERS viruses.

GENERAL RECOMMENDATIONS

- 1 Monitor official news sources
- 2 Avoid close contact with infected persons or animals.
- 3 Frequently clean and disinfect hands, using alcohol-based hand rub.
- 4 Perform regular cleaning and disinfection of surfaces, floors and textiles.
- 5 If you have a fever, cough and difficulty breathing, seek medical care and share previous travel history.
- 6 When coughing or sneezing, cover mouth and nose with flexed elbow or tissue. Throw tissue away immediately and wash hands.
- 7 Avoid consumption of raw or undercooked animal products

USE DISINFECTANTS TO MINIMISE THE RISKS

Enveloped viruses such as this novel coronavirus are **sensitive to a broad range of disinfectants**, and are much easier to kill than non-enveloped viruses such as Norovirus. It is expected that disinfectants with limited virucidal action (effective against enveloped viruses) are sufficient to kill novel coronavirus when taking into account the label instructions. Obviously, virucidal disinfectants (against the more resistant non-enveloped viruses) can also be applied.

For use in the Netherlands disinfectants should be approved by the Ctgb, the authorization number must be visible on the package.

Our general recommendations are as follows :

HAND AND SKIN HYGIENE

- Wash your hands frequently with water and soap.
- Remove all visible dirt
- Use an alcohol-based hand rub to disinfect

SURFACE AND FLOOR HYGIENE

- Clean surfaces and floors regularly.
- Remove all visible dirt
- Disinfect with a disinfectant that has been approved for its virucidal properties. Christeyns had several solutions, based on peracetic acid or quaternary ammonium compounds.

TEXTILE HYGIENE

As a precaution, laundries may wish to disinfect the healthcare linen. Best practice is to do this with a wash process using a Ctgb approved disinfectant in a chemical/thermal manner. Christeyns can offer an extensive range of approved wash processes. Please check with your local representative for a solution that fits your particular situation.



SOURCES

www.who.int/emergencies/diseases/novel-coronavirus-2019

www.health.belgium.be/nl/veelgestelde-vragen-over-het-nieuw-coronavirus

www.nhs.uk/conditions/wuhan-novel-coronavirus/

www.health.nsw.gov.au/Infectious/controlguideline/Pages/novel-coronavirus.aspx

www.xinhuanet.com/english/2020-01/23/c_138728428.htm

Real concerns about coronavirus?

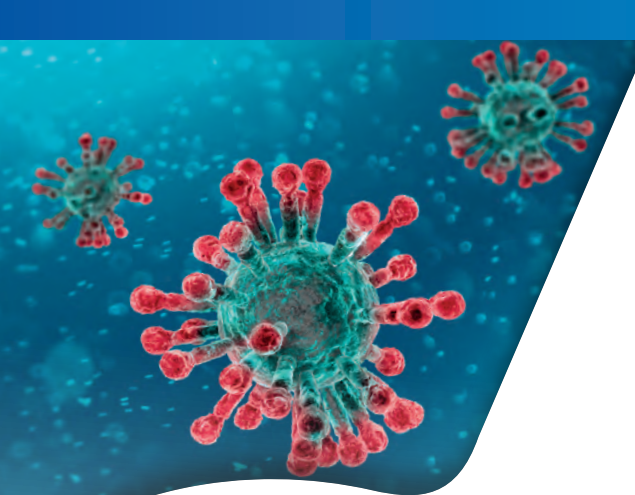
Please listen to and follow the directives issued by your country's public health authority.

Check the recommendations of the **World Health Organisation**
www.who.int

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EFFICACY AGAINST COVID-19 (NOVEL CORONAVIRUS)

HAND HYGIENE



Sterillium Med • 13451N *
Sterillium Gel Pure • 14408N *

FLOORS AND SURFACES



Mida Lufragerm+ • 13979N
Mida San 320 NL • 15250N
S-Clean Relaquat • 10028N
S-Clean 80 • 14059N

TEXTILES

| DETERGENT (g/l) | | DISINFECTANT (ml/kg) | | PROCESS FOR DISINFECTION |
|---------------------------------|--------|-------------------------|----|------------------------------------|
| Cool Care | 2-3 | Cool Asepsis | 25 | 15 min. at 40°C |
| Majestic Excellent | 10 | Peracid Asepsis | 8 | 10 min. at 70°C 15 min. at 60°C |
| Oasmaflux Profi | 10 | Peracid Asepsis | 8 | 10 min. at 70°C 15 min. at 60°C |
| Dual Perfect + Power Perfect | 2 6 | Peracid Asepsis | 8 | 10 min. at 70°C 15 min. at 60°C |

Please consult with your Christeyns specialists to find the best solution for you.

Palm against palm

Outside interdigital spaces

Inside interdigital spaces

Fingers

Thumbs

Nails

Wrists

CORONAVIRUS PREVENTION Respect of hygiene rules:

- Wash hands
- Use a hydroalcoholic solution or gel
- Clean and disinfect floors, surfaces and textiles
- Thoroughly cook meat