

NOVEL CORONAVIRUS

WE HELP TO PROTECT YOU AND YOUR FAMILY

HAND HYGIENE

SURFACE AND FLOOR HYGIENE

TEXTILE HYGIENE

FEEL OUR **PASSION**



CHRISTEYNS

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 several other countries including the US, France, Thailand, Japan, Taiwan and Australia. The virus has been identified as a novel type of **coronavirus**.

CHARACTERISTICS OF THE VIRUS

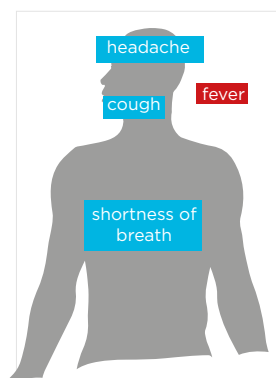
This novel coronavirus belongs to a family of viruses that include the common cold, and viruses such as SARS and MERS.

Some coronaviruses can cause illness in animals. Rarely animal coronaviruses can infect people. This new type is temporarily named 2019-nCoV. It is also referred to as Wuhan coronavirus. It is an enveloped, single-stranded RNA virus **sensitive to disinfection and bleach**.

SYMPTOMS

For confirmed 2019-nCoV 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 2019-nCoV 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.

MODE OF TRANSMISSION

The exact mode of transition 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 2019-nCoV.

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.

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 corona virus 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 Corona virus when taking into account the label instructions. Obviously, virucidal disinfectants (against the more resistant non-enveloped viruses) can also be applied.

Disinfectants should meet the **EN 14476** and/or **EN 16777** standards or the Guidelines of the Robert Koch Institute.

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 an RKI listed AB process. 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/

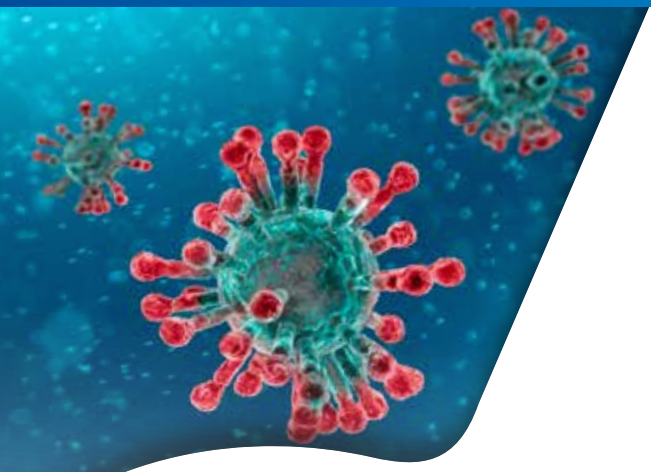
www.health.nsw.gov.au/Infectious/controlguideline/Pages/novel-coronavirus.aspx

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



EFFICACY AGAINST NOVEL CORONAVIRUS*

HAND HYGIENE



Phago'rub gel SPS
Phago'rub solution SPS

FLOORS AND SURFACES



Phago'spore / Phago'wipes spore/ Phago'soft /
Phago'surf ND / Mida Lufragerm+

TEXTILES

DETERGENT (g/l)	DISINFECTANT (ml/l)	PROCESS FOR DISINFECTION
Selox Micran	4 Peracid Forte	6 15 min. at 40°C
Majestic Excellent/ Color/ Maxima/ Sava	1,5 Peracid Forte	0,6 10 min. at 70°C
Osmaflux Profi Crystal classic	3 Personril	2 15 min. at 60°C
Majestic Sava	2 Personril	1,6 10 min. at 70°C

Non conclusive list of RKI approved wash processes. 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

* The products meet the efficacy standard against viruses EN 14776 and / or EN 16777.