

# HeiQ Viroblock NPJ03

Antiviral and antibacterial protection

**HEIQ**  
**VIROBLOCK**

## Effective in minutes

- Strong antiviral and antibacterial effect against enveloped viruses (incl. coronaviruses) and bacteria
- Suitable for all fiber types, from medical nonwovens (e.g. face masks) to fabrics for clothing and home textiles
- Residual virus infectivity tested according to a modified ISO 20743 method (Sendai), rapid antiviral effect demonstrated within 2-5 minutes
- Hypoallergenic, provides self-sanitizing and germ resistant surface
- Patent pending antiviral and antibacterial technology
- For standard N95 or FFP2 disposable masks: Increases the protection of the mask by more than 30 times
- For washable fabrics: Lasts at least 30 gentle washes at 40°C (104°F)
- Regulatory coverage: EU REACH compliant, main ingredient registered with US TSCA and US EPA

**Coronavirus  
(229E)**

**>99.99%  
reduction**



**H1N1**

**>99.99%  
reduction**



**H5N1**

**>99.99%  
reduction**



**RSV**

**>99.9%  
reduction**



\* Based on mask studies. Treated masks reduce virus and bacteria infectivity by more than 30 times compared to untreated masks

**SWISS  
TECH  
INSIDE**

# What problems does HeiQ Viroblock NPJ03 solve?

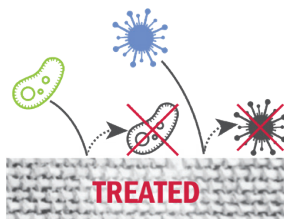
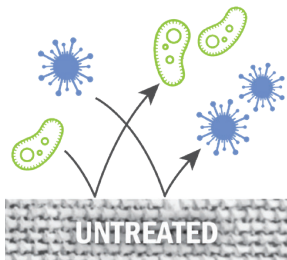
## Textiles are an infection and transmission risk

- Textiles provide a large hosting surface area for bacteria and viruses, benefiting their carryover
- Viruses and bacteria can remain active on textile surfaces from days to months <sup>1)</sup>
- Human coronavirus (SARS-CoV) can persist for up to 2 days on surgical gowns at room temperature <sup>2)</sup>

1) A.Kramer et al (2006): "How long do nosocomial pathogens persist on inanimate surfaces? A systematic review"

2) G.Kampf et al (2020): "Persistence of coronaviruses on inanimate surfaces and its inactivation with biocidal agents"

## HeiQ Viroblock NPJ03 helps reduce the infection and transmission risk



- Textiles treated with HeiQ Viroblock NPJ03 actively inhibit viruses and kill bacteria upon contact
- HeiQ Viroblock NPJ03 treated textiles help to minimize the potential for re-transmission of pathogens from textiles

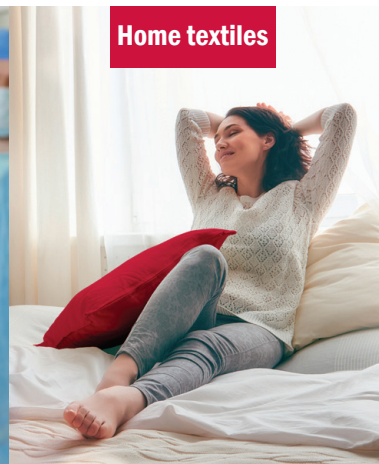
## HeiQ Viroblock NPJ03 application areas



Clothing



Medical nonwoven



Home textiles