

Antiviral Finish

NICCANON RBZ

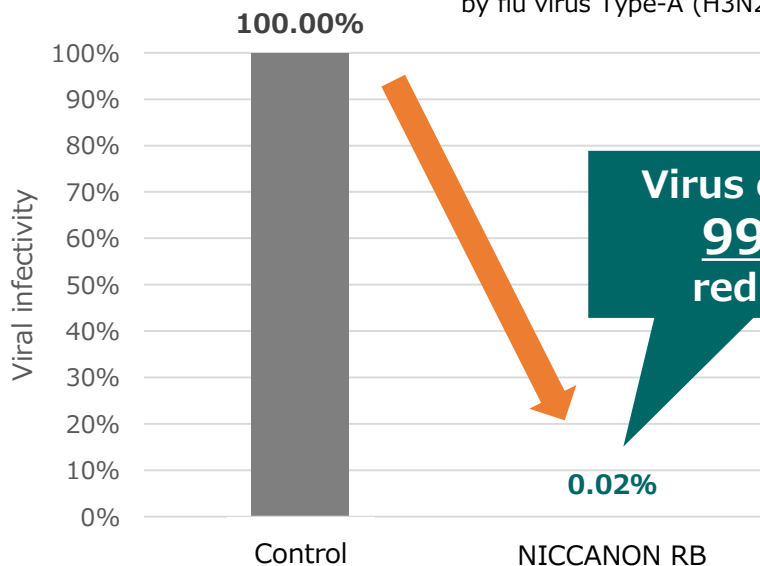
(Applicable for Asian market)

Characteristics

- **Drastically reduce the number of virus** on the fiber
- Safety of the chemical is assured by longtime business in the application on innerwear, socks and towels

Performance

※Antiviral test method : ISO 18184 (JIS L1922)
by flu virus Type-A (H3N2) / ATCC VR-1679

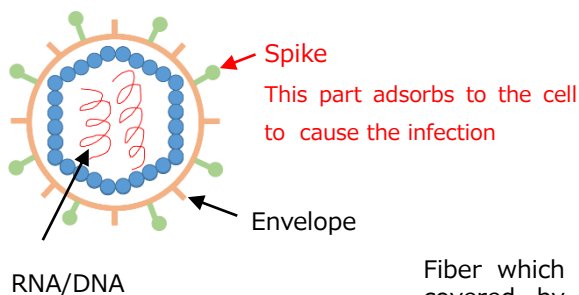


Specimen : Cotton/Polyester Woven
Dosage : 50g/L by padding
Pick-up 80%

Presumed antiviral mechanism

NICCANON on the fiber works on the virus envelope and decreases the number of the virus

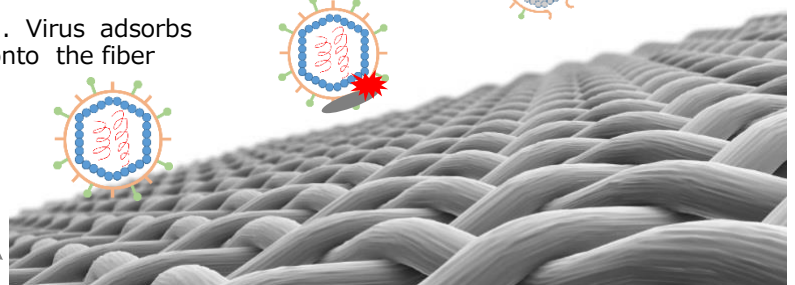
3.Inner RNA gets exposed and the virus is destroyed



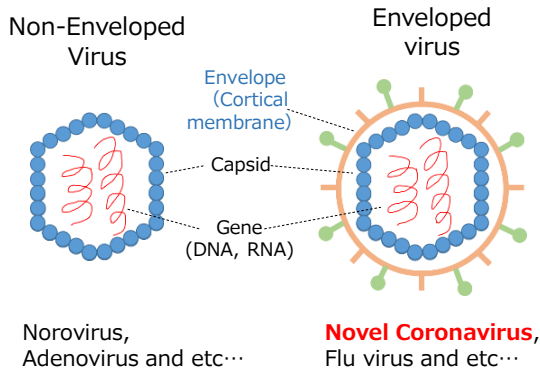
1. Virus adsorbs onto the fiber

2.NICCANON attaches to the virus and attacks the envelope

Fiber which covered by NICCANON



Type of virus



Virus is categorized into two for its structure

- Enveloped virus with cortical membrane
- Non-enveloped virus without envelope

The novel coronavirus and flu virus are enveloped virus

The spike of the envelope adsorbs to the cell, goes into the cell and grows

Precautions

- Antiviral finish is not designed to cure or prevent the diseases
- Antiviral test is done by ATCC VR-1679 flu virus after leaving the specimen 2hrs at 25°C
- Antiviral finish does not control the virus activity
- The safety of the product is fully validated, but refer to the SDS for proper handling
- Please avoid the treatment on the fabric which may contact mouth and nose directly such as inside of surgical masks

Inquiries

 **NICCA CHEMICAL CO.,LTD.** Textile Chemicals Division

Please contact with the person in charge or fill in the inquiry form below;

<https://nctexchem.com/inquiry/>