# Do you know about VIRUS?

**<Approach against Virus>**

Important to wash your hands, rinse your mouth, and wear a mask.
But also important to know the viruses lurking around us.

## Common virus transmission route

### Virus is being Infected Unknowingly in Daily Life

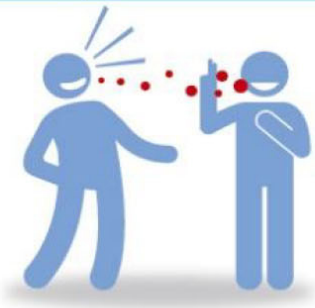
**Airborne Infection**

The droplet water evaporates, and the virus floating in the air is inhaled by the respiratory system to cause infection.

**Contact Infection**

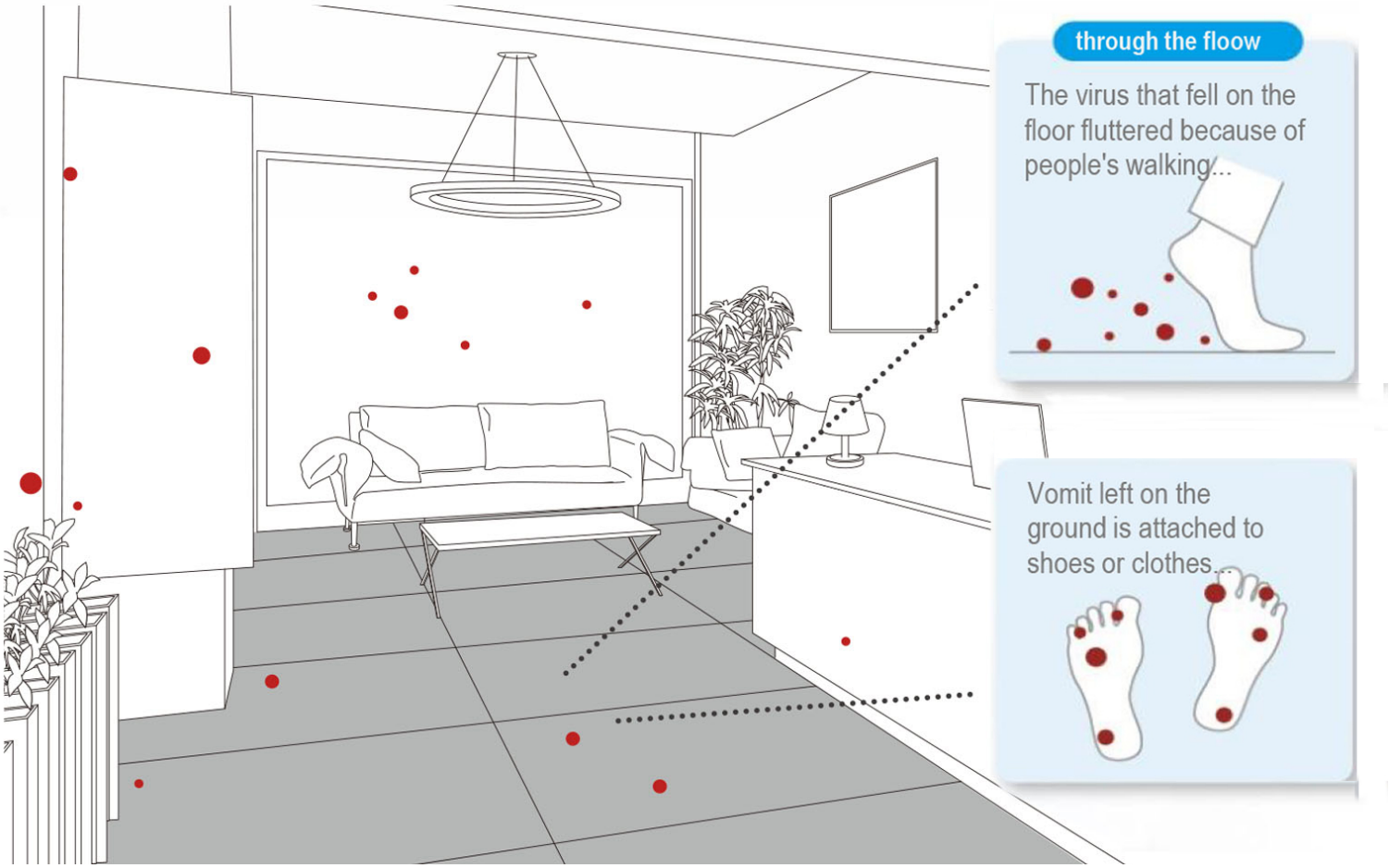
Being exposed to a virus attached to a person's body or an indoor switch, the virus enters the body and causes infection.

**Droplet Infection**



The infected person sprays droplets when coughing or talking, and inhales the virus in the droplets and saliva to become infected.
(The droplet distance is 1-2 meters)

## Viruses lurking indoors



# We reduce particular virus number on the fiber through anit-virus&microbial

In order to lead a comfortable life certain materials resisting viruses and reducing risks coming from them has been expected. from the doctor of dentistry, the commercialized antivirial component Etak® can be strongly fixed to the fiber face through antiviral fiber technology CLEANSE®. SUMINOE and KURABO, partners in developing this technology, have successfully made this available.

## Etak

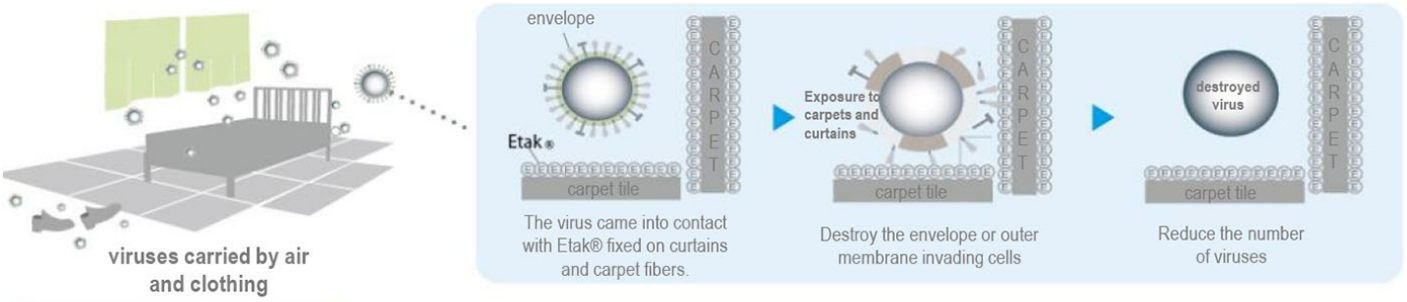
In April 2013, HIROSHIMA UNIVERSITY Graduate School, Preofessor NIKAWA HIROKI's research has been awarded the Science and Technology Award-from the Japanese Ministry of Education, Culture, Sports, Science and Technology. Etak® technology is an immobilized antibacterial ingredient commercialized through its research.

## CLEANSE®

Antibacterial and antiviral functional fiber processing technology CLEANSE® uses immobilized antibacterial component Etak®, which is strongly fixed on the fiber surface. It is KURABO's unique processing technology.

## ANTI-VIRUS MECHANISM

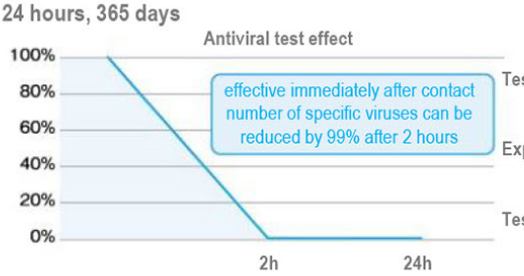
**virus with envelope** (image)




## QUICK ACTING

**Effective in 24 hours, 365 days**

It takes effect immediately after viruses and bacteria come into contact with Etak® fixed on the fiber.
There is no need for environmental conditions such as sunlight to function, and it is not affected by weather, temperature or humidity.




**Test Virus:** ATCC VR-1679, ATCC VR-1469 (ATCC VR-1469 is not within the scope of SEK trademark)
**Experiment Method:** Measurement developed by Hiroshima University
Infection ratio after virus exposure
**Test Implementer:** KURABO

## DURABILITY

**High durability can be achieved even after washing.**

The curtains can still guarantee high anti-bacterial and anti-virus performance after being washed 50 times at home.
Carpet tiles can maintain high antibacterial properties even after cleaning 10 times.

## NO DANGER

**Based on antibacterial agents for oral hygiene, high safety is ensured.**

Use high-safety disinfectant ingredients based on disinfection and cleaning in dental medicine.