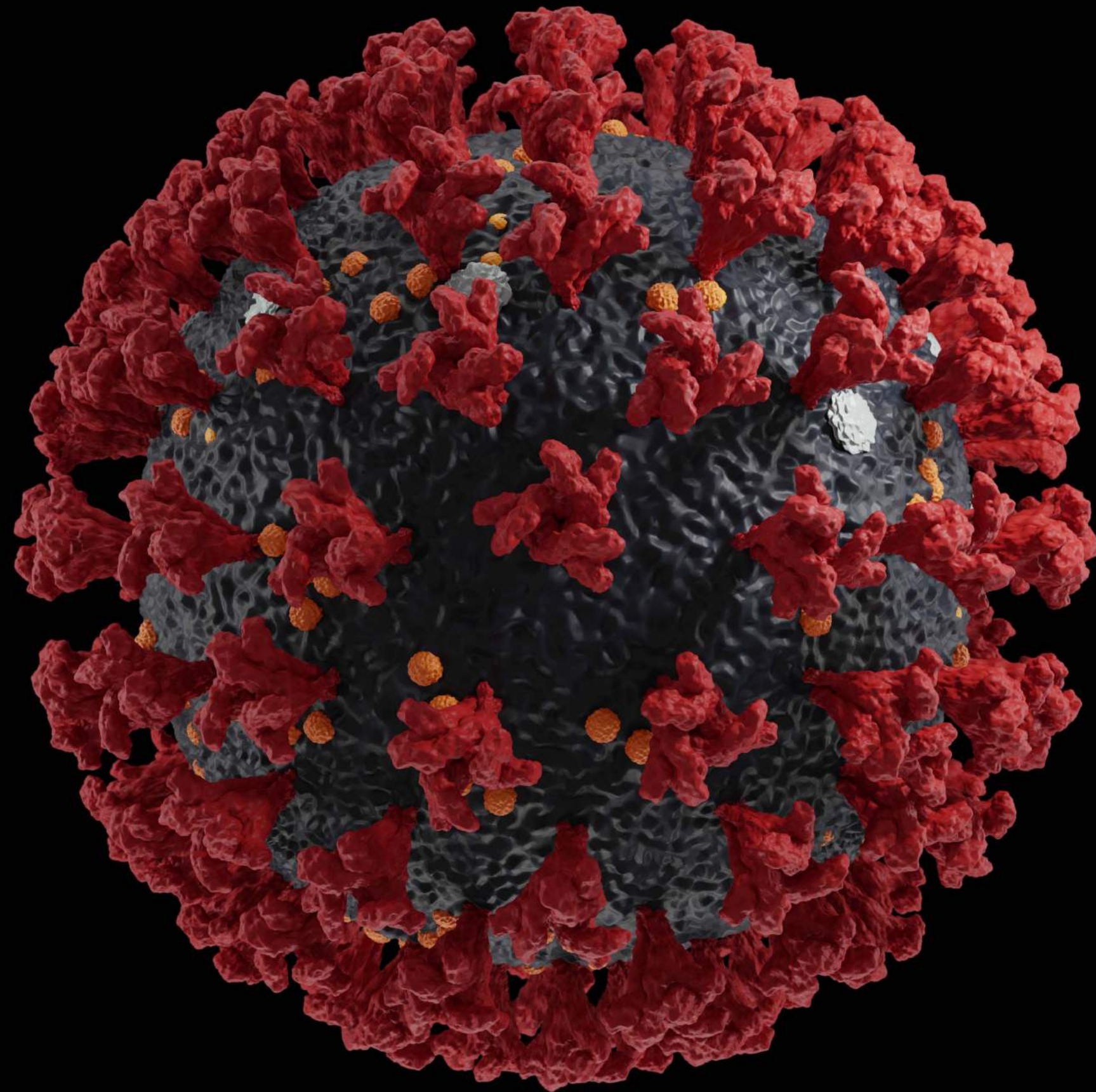




TERAtron  
UVG-1



## CoV can survive on surfaces and air

**“SARS-CoV-2 can still survive for hours and in some cases days, outside a host”**

SARS-CoV-2 was detected on the copper surface after four hours, and on the cardboard surface after 24 hours.

Whereas it was still able to be detected up to 72 hours later on the stainless steel and plastic surfaces.

The researchers concluded that the virus could remain airborne for “up to 3 hours post aerosolization.”

# How to clean to kill off coronavirus

Environmental cleaning

Alcohol 70%

Bleach

Hydrogen peroxide

Detergent

Soap

# Don't Spraying

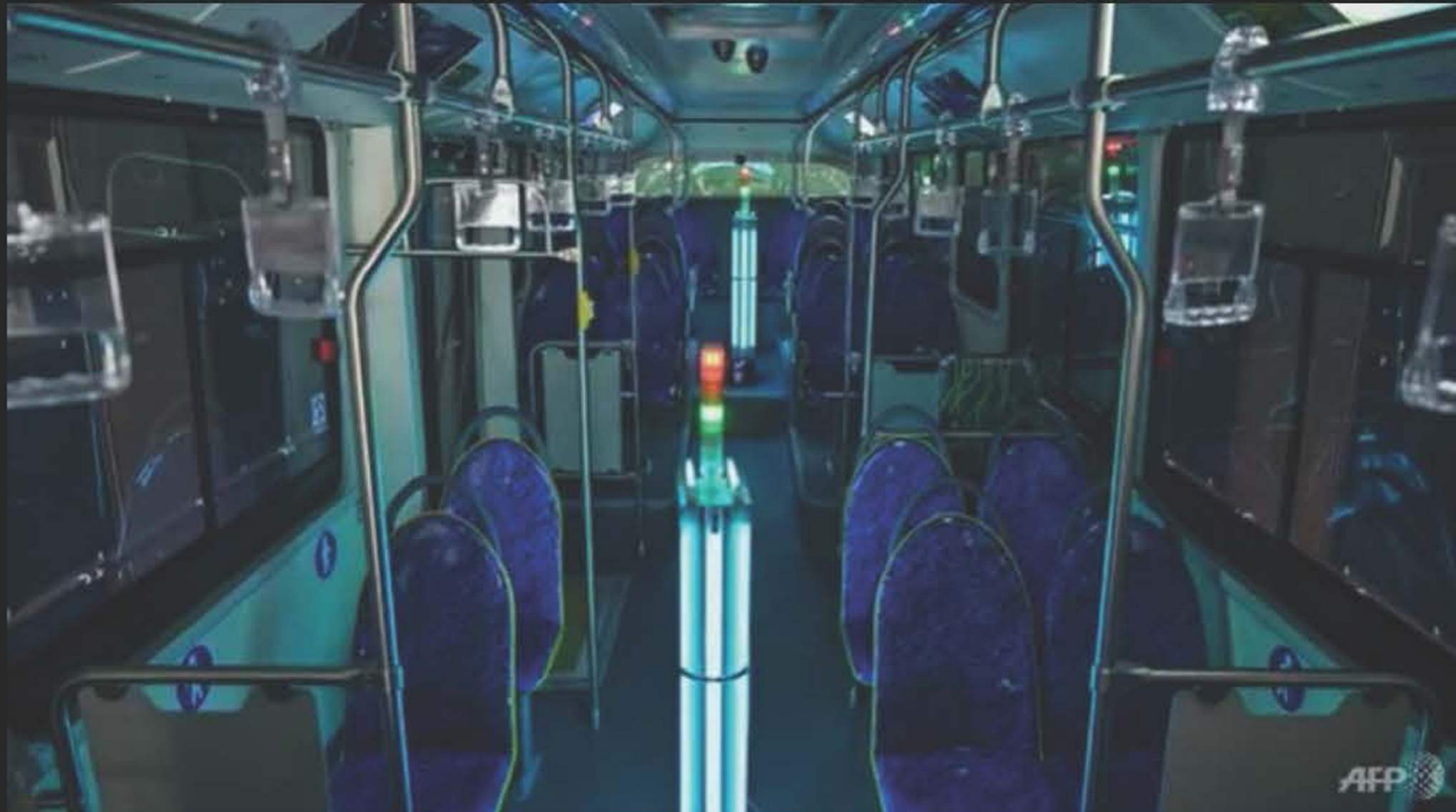
Avoid using a spray pack to apply disinfectant on potentially highly contaminated areas

as it may create splashes which can further spread the virus. Also, alcohol-based disinfectant is flammable, do not spray it into the air.



# The best way to disinfect surfaces is UVC light.

On mission to eradicate COVID-19 germs,  
China firms see the UV light



Shanghai public transport firm Yanggao has converted a regular cleaning room into a UV light disinfection chamber. (Photo: AFP/Hector Retamal)

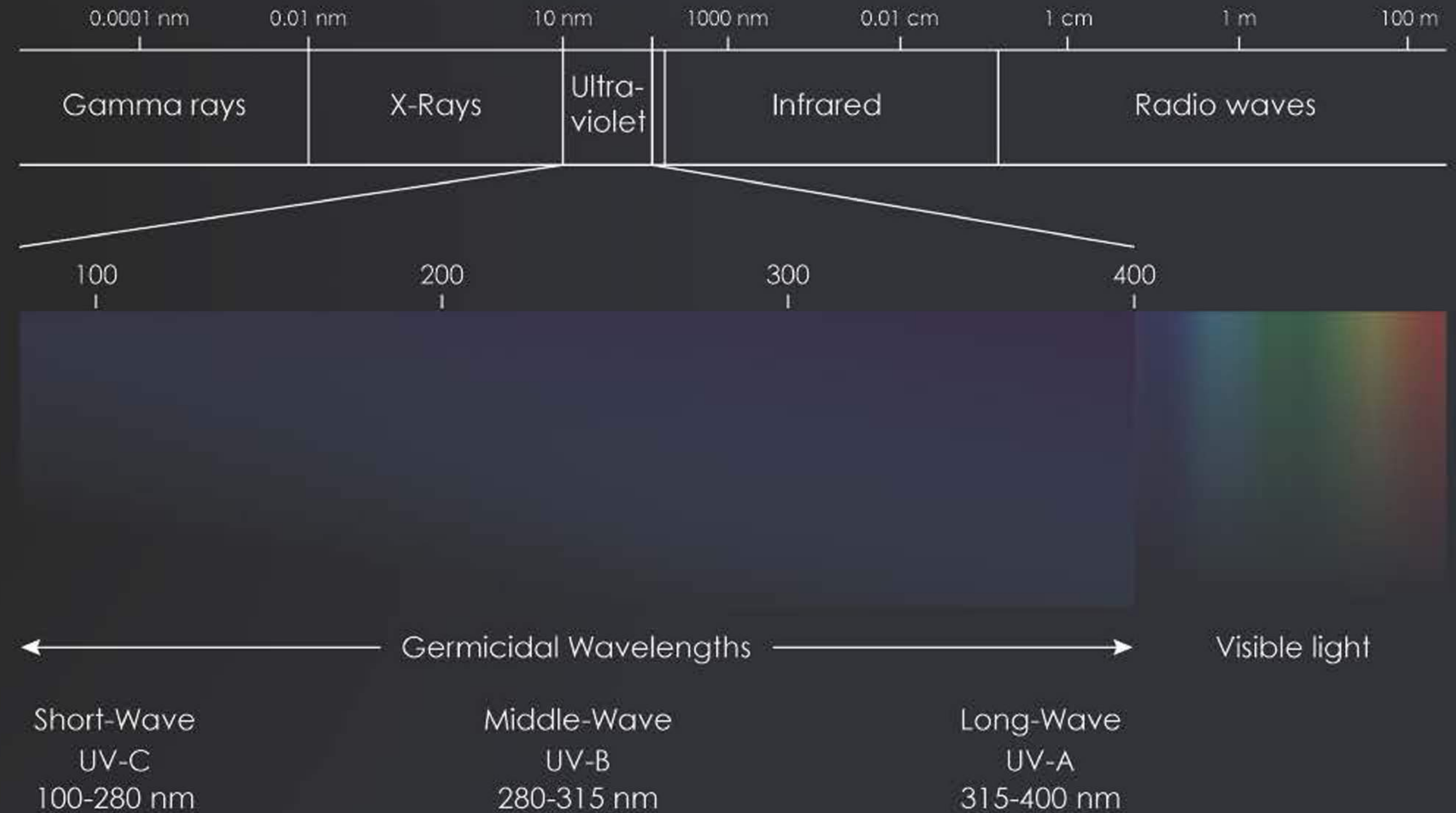


A bus is disinfected with ultraviolet rays in Shanghai on Mar 12, 2020 (Photo: AFP/Hector Retamal)

# WHAT IS Ultraviolet radiation?

Ultraviolet light is part of the light spectrum, which is classified into three wavelength ranges:

- UV-C, from 100 nanometers (nm) to 280 nm
- UV-B, from 280 nm to 315 nm
- UV-A, from 315 nm to 400 nm





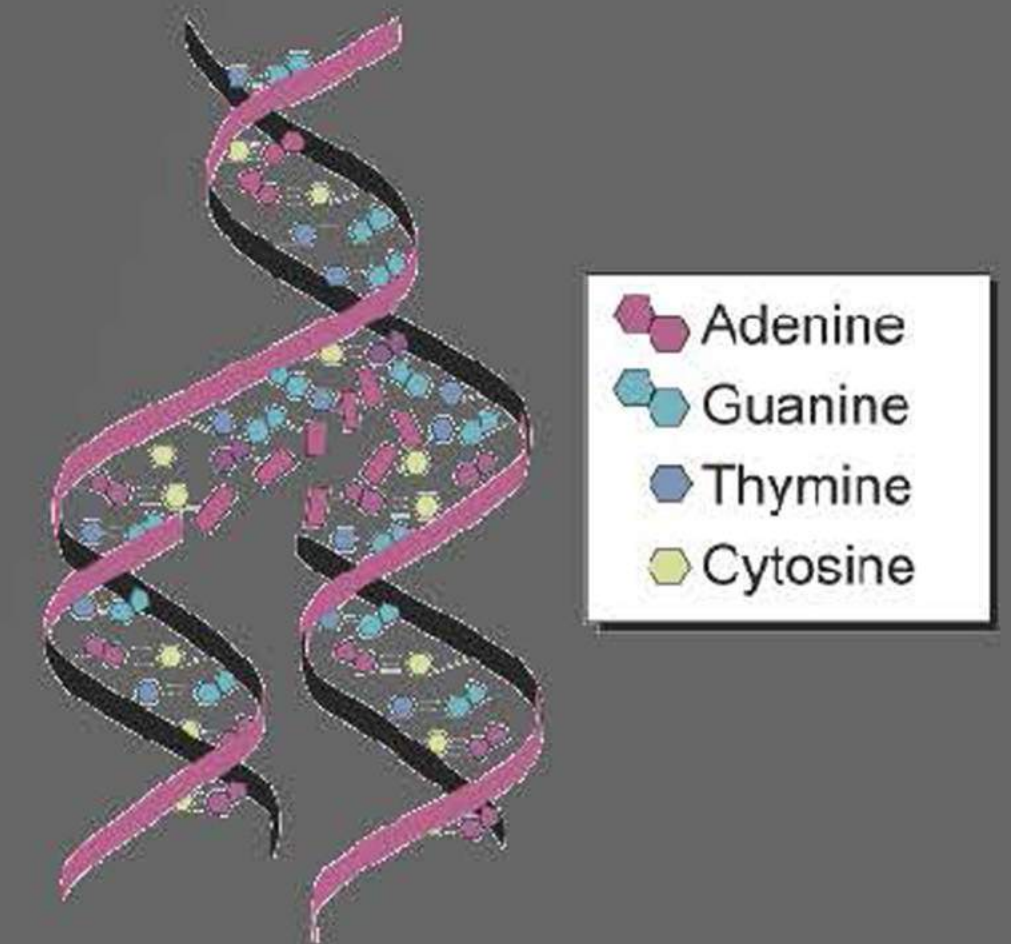
Ebola virus: UK government response

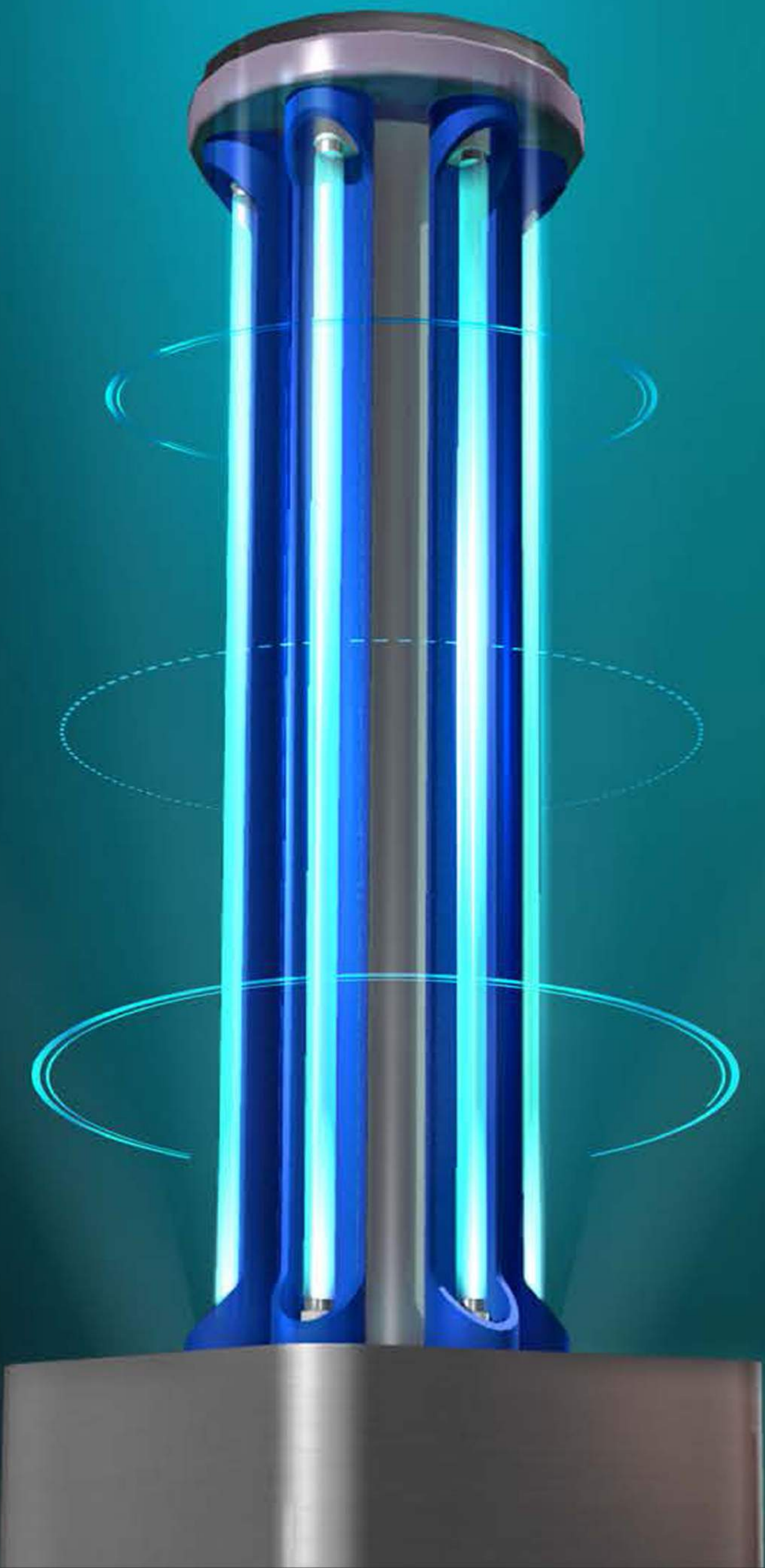
After a training exercise involving fake body fluids, a healthcare worker's personal protective equipment is checked with ultraviolet light to find invisible drops of fluids. These fluids could contain deadly viruses or other contamination.

## What is germicidal ultraviolet?

**Germicidal UVC light (253.7nm) is proven to stop Bacteria and viruses (all types of viruses including Flu's, Colds, Corona Virus/ SARS, Measles and German Measles.)**

UV-C light is germicidal – i.e., it deactivates the DNA of bacteria, virus and other pathogens and thus destroys their ability to multiply and cause disease. Specifically, UV-C light causes damage to the nucleic acid of microorganisms by forming covalent bonds between certain adjacent bases in the DNA. The formation of such bonds prevent the DNA from being unzipped for replication, and the organism is unable to reproduce. In fact, when the organism tries to replicate, it dies.

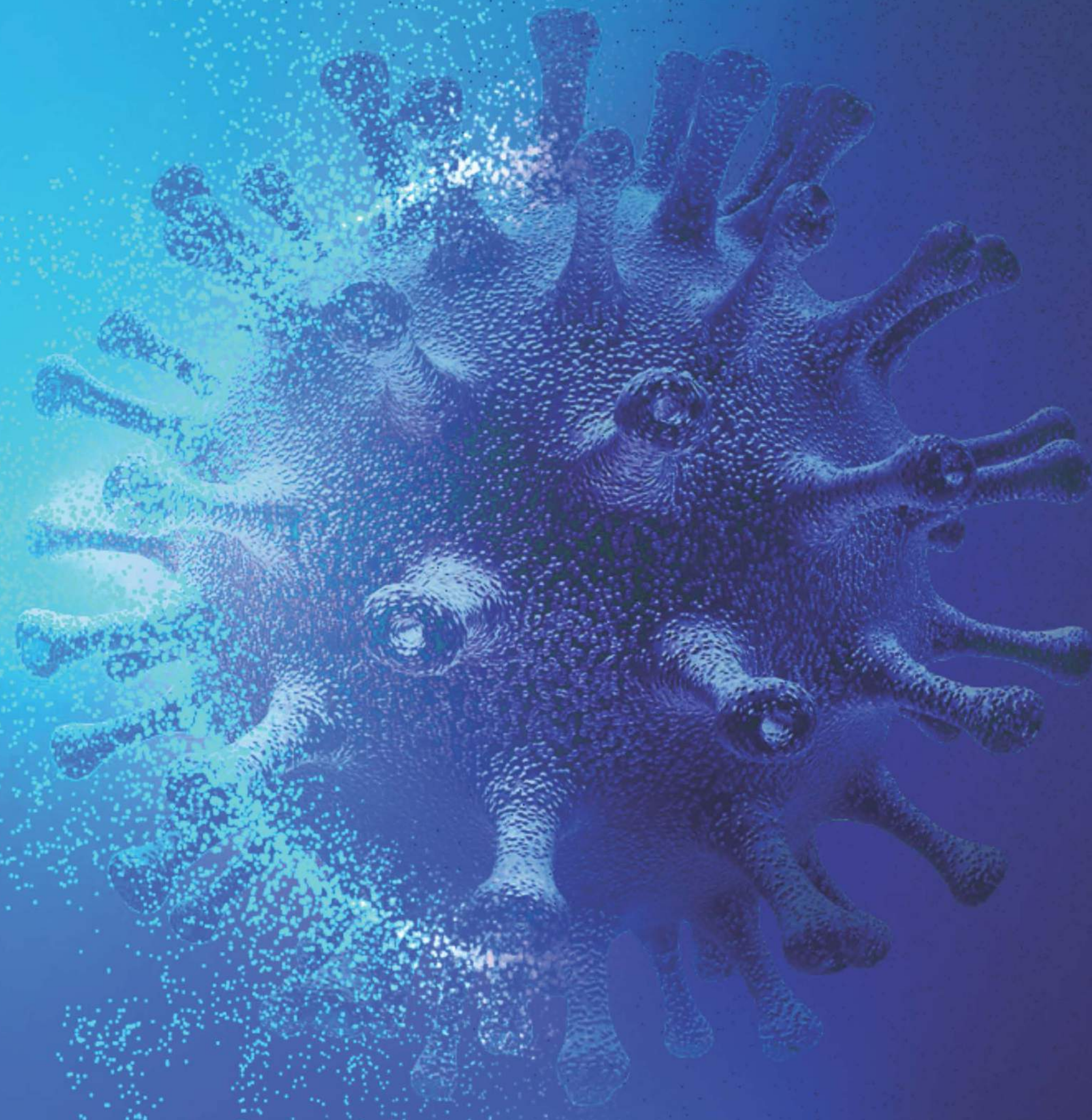




# TERAtron UVG-1

- More effective Than manual cleaning with chemicals
- 5-20 minutes TREATMENT TIME
- Disinfection radius: 1-5 m
- 2 hours battery
- Environmental protection
- No chemical residue





Kills

**99%**

of Virus and bacteria

**Technology  
reaches for all**

**Thank you.**

# Reference

## Content

<https://ultraviolet.com/what-is-germicidal-ultraviolet/>

<https://www.sciencenews.org/article/coronavirus-disease-outbreak-severity-symptoms>

<https://www.handydryers.co.uk/customer-service/blog/coronavirus-killed-with-uv-light.html>

<https://en.wikipedia.org/wiki/Ultraviolet#Subtypes>

<https://www.abc.net.au/news/science/2020-03-20/how-long-does-coronavirus-last-on-surfaces/12074330>

<https://www.nea.gov.sg/our-services/public-cleanliness/environmental-cleaning-guidelines/guidelines-for-environmental-cleaning-and-disinfection>

<http://www.news12.com/story/41895765/uvc-far>

<https://www.safetysign.com/products/4967/caution-ultraviolet-light-sign?s=st1zsk15dyzgphvqzbp150>

[https://en.wikipedia.org/wiki/Ultraviolet\\_germicidal\\_irradiation](https://en.wikipedia.org/wiki/Ultraviolet_germicidal_irradiation)

[https://en.wikipedia.org/wiki/Germicidal\\_lamp](https://en.wikipedia.org/wiki/Germicidal_lamp)

<https://www.lesswrong.com/posts/L8KGSDchPpNo48PCM/ubiquitous-far-ultraviolet-light-could-control-the-spread-of>

[www.steril-aire.com.au](http://www.steril-aire.com.au)

<https://www.gov.uk/government/topical-events/ebola-virus-government-response>

<https://www.dkhthailand.com/14679126/laboratory>

<https://metro.co.uk/2020/03/05/buses-blasted-uv-light-rid-coronavirus-12352400/?ito=cbshare>

<https://www.channelnewsasia.com/news/asia/coronavirus-china-uv-light-disinfect-buses-lifts-banknotes-12535916>

[https://en.wikipedia.org/wiki/Germicidal\\_lamp](https://en.wikipedia.org/wiki/Germicidal_lamp)

[https://en.wikipedia.org/wiki/Germicidal\\_lamp](https://en.wikipedia.org/wiki/Germicidal_lamp)

## Don't spray

