Panasonic nanoe ™ air purification technology inhibits the activity of many bacteria and viruses

Panasonic's proprietary nanoe ™ air purification technology has been shown to inhibit the activity of a wide range of bacteria and viruses including Feline coronavirus - the same family as the new strain of corona virus 2019 (SAR-CoV). -2).

The research and testing were conducted under the strict supervision of leading experts from Charles River Biopharmaceutical Services GmbH (Germany), Azabu University, Yamaguchi University, Obihiro University (Japan) .

In parallel with the strong development of life and economy, the heavy impact on the environment has also been constantly warned from environmental organizations. Air pollution and the emergence of new viruses globally pose a serious threat to the lives of billions of people around the world. Therefore, the urgent need to lead a healthy, healthy life is increasing, leading to greater investment in the air quality inside the family home.

Nanoe ™ technology is able to inhibit the activity of many viruses including Feline Coronavirus, the same family of SAR-CoV-2 strains

Developed since 1997, nanoe ™ technology has been applied to many consumer electronics products from Panasonic. Nanoe ™ is a multipolar discharge technology, focusing on 4 needle-shaped electrodes to release free hydroxide (OH) ions, which are critical for hydrogen absorption of pollutants and inhibits virus activity.

Panasonic does not conduct verification tests on the new strain of corona virus using any nanoe ™ transmitter or air conditioner with nanoe ™ technology. Therefore, the quantitative effect of nanoe ™ on new viruses has not been determined.

However, from 2009 to 2012, in cooperation with universities and research laboratories in Japan and Germany, Panasonic carried out research and tests on a variety of viruses, bacteria and factors. Other harmful allergens.

Improve indoor air quality to protect your health and your loved ones

In 2011, Panasonic collaborated with the Charles River Research Laboratory (Germany) to group viruses according to criteria including cover shape, genome and size. The four viruses that meet the above criteria are further grouped based on their physical and chemical resistance: Xenotropic murine leukemia virus, Encephalomyocarditis, Pseudororabies, Pocrine parvovirus. The test that yielded 99% of the infection value on these 4 viruses was removed in 6 hours. The results also show that nanoe ™ technology has the ability to inhibit the activity of different human and animal viruses.

In addition, Panasonic has collaborated with experts and laboratories in Japan to demonstrate the inhibitory effect of nanoe ™ charged water particles on allergens originating from pets including: Can f1 (derived from dogs), Fel d1 (derived from cats), three types of bacteria (MRSP (staphylococcus pseudintermedius), Bordetella bronchiseptica and Pasteurella multocida), three fungi (Candida albicans, Cryptococcus neoformans, and Malassezia furfur), and five viruses (feline coronavirus, canine adenovirus, canine parvovirus, and canine herpes virus). Feline coronavirus is a cat-derived corona virus, related to the new corona virus and has been confirmed to inhibit efficacy by more than 99% thanks to nanoe ™ technology.

Nanoe ™ technology is integrated into many Panasonic products to improve the health and living environment for everyone. Air conditioning and integrated air purifier nanoe ™ Works in tandem to clean the air in homes and offices by removing PM2.5 pollutants and dust, inhibiting bacteria, viruses and allergens. Meanwhile, technology nanoe ™ X in Panasonic commercial air conditioners (Cassette and ceiling) provide 24/24 hour fresh air with effective deodorant, bacteria removal and air cleaning. Technology details nanoe ™ at: https://www.panasonic.com/vn/consumer/nanoe-technology.html