

OKTOair Disinfecting Filtration System (DFS) and COVID-19

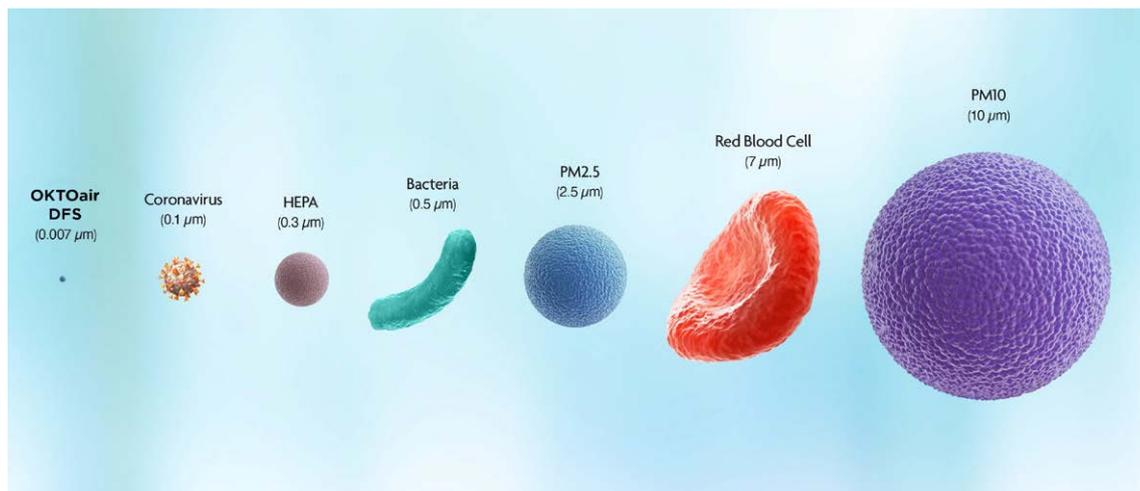
Tested efficiency of DFS technology

Test completed: 29th June 2020, Crem Co Labs, Canada – In response to the COVID-19 Pandemic, a series of tests were conducted by our partners to show the efficiency of DFS technology on the capture and permanent removal of airborne viruses and bacteria. World-renowned Infection Control expert and an advisor to the U.S. EPA (Environmental Protection Agency) and the World Health Organization, Dr. Syed Sattar, conducted his studies in a chamber that was built to follow U.S. EPA guidelines.

Important Note

During an outbreak of a new virus like COVID-19, no products exist whether it be a surface disinfectant or an air treatment device that can make claims to kill or capture the virus. This is due to the simple fact that the virus was not available to test, and it can take more than 1 year to get a viral claim approved by a regulatory agency. For this reason, the U.S. enacted a 'hierarchy-based' policy. Should a company's product be found to be effective against harder to kill or capture viruses, it is likely to kill or capture a virus like COVID-19. A product that is likely to provide the greatest protection to you from COVID-19 will have claims against at least one non-enveloped virus such as Norovirus, Feline Calicivirus, Poliovirus, Rhinovirus or Reovirus.

Test Conclusions



DFS technology was proven to remove from the air a proxy virus for SARS-CoV-2 (RNA virus MS2): The results of this data show 99.987% elimination in 10 minutes of the surrogate which is .03 micron in size. The test also showed that there was 100% elimination in 45 minutes and again 100% at 24 hours indicating no reintroduction of the proxy virus.

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Artificial Intelligence for Wellness

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The bacteriophage MS-2 is a small (about 30 nanometres or .03 micron), non-enveloped virus, which is often used as a surrogate for small, non-enveloped human pathogenic viruses such as noroviruses.

Testing with Bacteriophage Phi6 as the Challenge, independent testing indicated a 99.99% reduction in 10 minutes. Bacteriophage Phi6 is a larger (approximately 100 nanometres or .1 micron), enveloped virus, which is often used to represent large, enveloped human pathogenic viruses such as coronaviruses and influenza viruses and is most similar in size and composition to SARS-CoV-2. Both tests indicate substantial virus elimination within 10 minutes across a range of sizes and composition of both enveloped and non-enveloped viruses.

About OKTOair

OKTOair Wellness division by OKTO Technologies - Luxury Smart Building Specialists

OKTOair's new suite of Wellness Technologies will reassure occupants that the air they breathe is of optimum quality. The Artificial Intelligence-led system is specifically designed to address and eradicate the problem of indoor air contamination and natural allergens and pollens. The system will consistently monitor, contrast, and manage indoor air quality, temperature, and humidity. The high-end technology also incorporates a user-friendly dashboard to keep occupants fully informed and updated on all aspects of air quality inside and outside their properties.

OKTOair in partnership with HealthWay who have over 40 years' experience in innovative air purification - reimagining the world as a better, safer place with innovative air purification and revolutionising air quality.

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