

DC-5 with
Northern Light | HVLS

Powerful Disinfection, **Verified by Scientific Testing**

GREENHECK DC-5 WITH NORTHERN LIGHT® TECHNOLOGY IS PROVEN TO **INACTIVATE 95%** OF MS2 VIRUS* IN A **REAL-WORLD APPLICATION.**

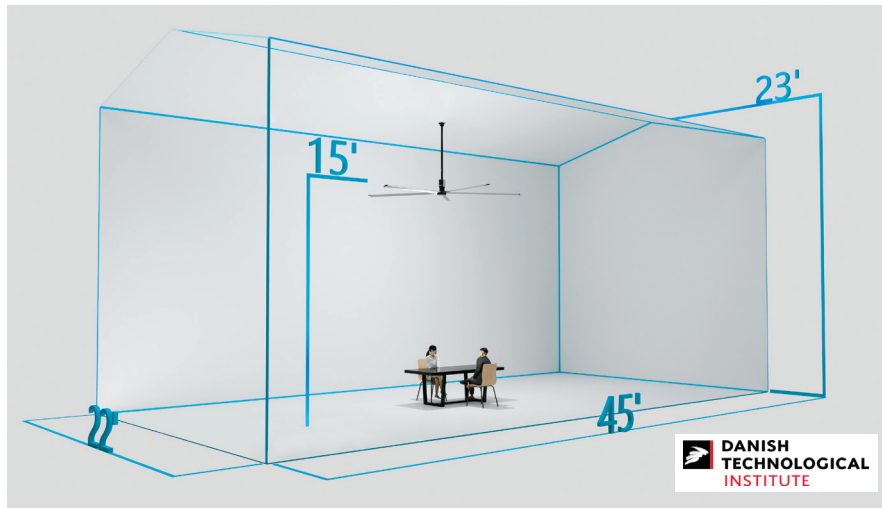
TESTING OUTSIDE THE BOX

Unlike competitor air cleaning products that are tested in small laboratory settings, DC-5 overhead fans with Northern Light technology have been tested in conditions that simulate real-world applications.

Using a space representative of a classroom or automotive garage, independent researchers from the Danish Technological Institute performed full-scale testing of the Northern Light system.

A single 10 ft. diameter fan was operated in a large room (dimensions shown to the right) with a high concentration of aerosolized MS2 virus.

Results demonstrated that UV-C technology combined with HVLS overhead fans moving air downward is effective in mitigating virus spread - even when individuals are sitting across a table, just 3 feet apart.



This is the largest controlled experiment conducted to analyze the inactivation of airborne viruses utilizing UV-C light.

– Danish Technological Institute

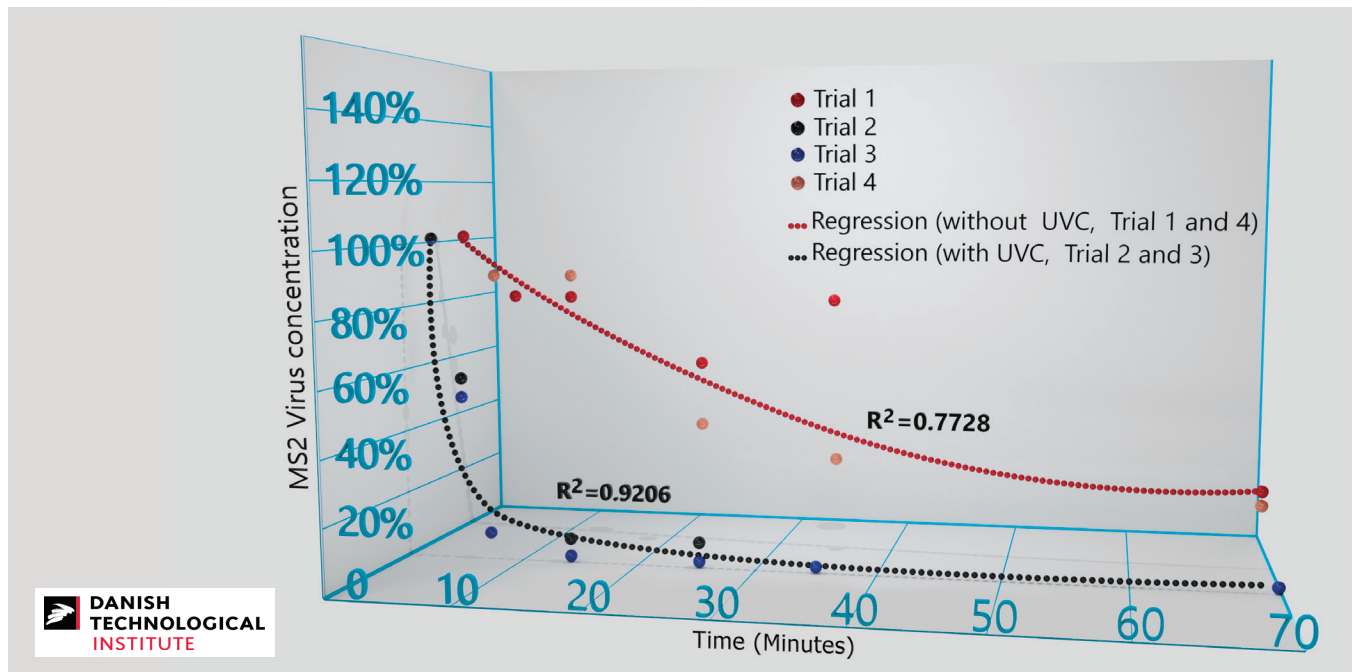
* MS2 virus contains an ssRNA (Single Stranded Ribonucleic Acid) genome similar to SARS-CoV-2 (coronavirus).



EFFECTIVE AIR DISTRIBUTION AND DISINFECTION OVER TIME

In the largest controlled experiment studying inactivation of airborne viruses using UV-C light, the Northern Light system demonstrated effective air movement and disinfection.

Results show greater than 91% inactivation of the MS2 virus after 10 minutes of exposure to the UV-C light and air movement provided by the fan, and 95% inactivation after 15 minutes**.



 DANISH
TECHNOLOGICAL
INSTITUTE

** Results will vary based on room size and number of HVLS fans present



This is the most efficient system for disinfection and distribution of large air volumes while occupants are present in the room.

– Danish Technological Institute

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 **GREENHECK**
Building Value in Air.