

# **ILS Book Sanitizer™**

## **Scientific Operations Information**

**Addendum**  
**Effective Oct 2020**

**"The ILS Book Sanitizer has now been officially LAB tested against the virus responsible for COVID-19 (SARS-CoV-2) and proven to kill 99% of the virus present. The following direct quote from the laboratory report is below.**

**As a conclusion of the trial, the Book Sanitizer system reduces the risk of spreading both the bacteria tested and the COVID- 19-(SARS-CoV-2) virus by more than 99%....**

**The Book Sanitizer which has been tested has the advantage of combining two disinfection systems, the first is germicidal Ultraviolet C radiation and the second is an air current that blows particles towards a HEPA filter thereby preventing the spread of viruses and bacteria out of the machine compartment. (1)"**

**1 - Ph.D. Ma Angélica García Álvaro - Technical Director and R+D+i,  
report 20200173, 2020 July 13**

**If you would like a full copy of the laboratory test report, please contact us."**

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(cont.)

According to Studies found Below, UVGI uniquely impacts bacteria and viruses - it actually damages their RNA and DNA, rendering them "inactive" and incapable of repair or regeneration or interacting with other RNA and DNA to reproduce and infect a host and reproduce.

UVGI has been successfully used by hospitals and other medical and laboratory facilities in air handling systems for over 40+ years in operating rooms, treatment rooms, and laboratories. "Approximately 60% of all UVGI air disinfection systems are installed in health care facilities"

source:

[https://www.orf.od.nih.gov/TechnicalResources/Bioenvironmental/Documents/Applicationsofultavioletgermicidalirradiationdisinfectioninhealthcarefacilities\\_508.pdf](https://www.orf.od.nih.gov/TechnicalResources/Bioenvironmental/Documents/Applicationsofultavioletgermicidalirradiationdisinfectioninhealthcarefacilities_508.pdf)

The Book Sanitizer utilizes a similar approach as UVGI air disinfection systems, blowing the material (pages, covering, cases, etc.) with compressed air to aerosolize pathogens and separating the pages for sanitization while illuminating UV-C lights from both above and below combined with the surface disinfection of the material with direct surface irradiation - all within the confines of the closed cabinet to maximize the results.

It is for these reasons, we believe that the UVGI in use in the Book Sanitizer has merit for our customers and will benefit them during this difficult pandemic.

The sheer number of uses of UVGI in operating rooms and laboratory safety cabinets provides a sound expectation that the similar use of UVGI in the Book Sanitizer will have a corresponding result against pathogens that may be present on books, Laptops, Tablets, DVD's, hot spots and cell phones and other material in use by libraries.

On the following page you will find links to various articles, papers, and abstracts online from the DCD, FDA, WHO, and other agencies and academic facilities.

# Scientific Operations Information

(cont.)

<https://www.cdc.gov/niosh/nioshtic-2/20034387.html>

<https://sites.nationalacademies.org/BasedOnScience/covid-19-does-ultraviolet-light-kill-the-coronavirus/index.htm>

<https://www.sciencedirect.com/science/article/pii/S0190962220305089>  
(There are a number of good references in the footnotes of the paper above)

<https://aem.asm.org/content/78/6/1666>

[https://wwwnc.cdc.gov/eid/article/26/5/19-0994\\_article](https://wwwnc.cdc.gov/eid/article/26/5/19-0994_article)

<https://www.medrxiv.org/content/10.1101/2020.03.25.20043489v2>

<https://www.medrxiv.org/content/10.1101/2020.03.25.20043489v1.full.pdf>

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2789813/>