

Test 1: Evaluation of Virucide activity against Sars-Cov-2 of Light Progress products

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TESTS PARAMETERS:

Name of product tested: UV BOX E 2/40H

UV Power = 40 W High Output lamp

Period of analysis: 10/06/20 – 13/06/20

Temperature of incubation: 37°C

Identification of Viral strain: SARS-CoV-2 (Lot: VMR –SARSCP2 VERO E6_28042020)

Incubation period: 3 days

Irradiation time: 2 minutes

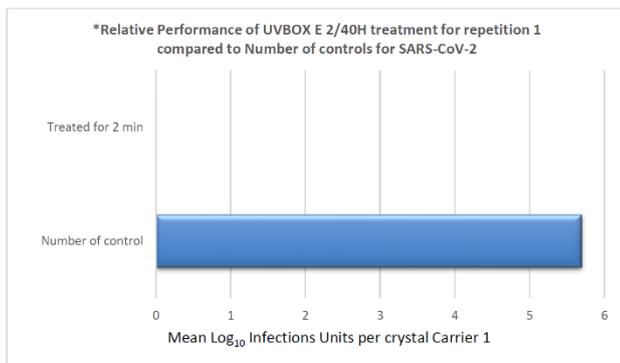
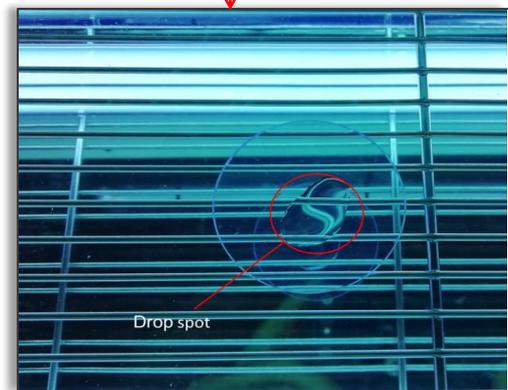
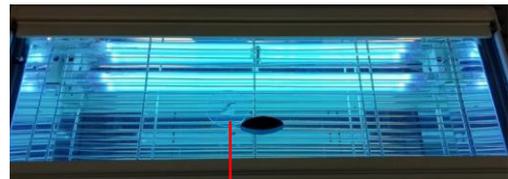
Repetition of tests: 3 times

Experiment method:

Crystals (UV-C permeable) were positioned in the center on the grid, then inoculated with 100 µL of viral suspension. The suspension virus used was 107.2 TCID50%/mL (7.2 expressed by Log10).

TESTS RESULTS:

After Irradiation, Sars-Cov-2 was inactivated with a Log Reduction of 5.7 LOG₁₀ (>99.999%) which means total virucidal inactivation.



Repetition	Time of exposition	Log suspension virus TCID50%	Log TCID50% after treatment	Log reduction TCID50%
1	2 min	7.2	1.5*	5.7
2	2 min	7.2	1.5*	5.7
3	2 min	7.2	1.5*	5.7

*The value of Log TCID50 = 1.5 means total viral inactivation