

[The Israeli start-up that will purify hospital rooms from the Coronavirus](#)

After they began virus and bacterial monitoring activities at the Sheba Medical Hospital, Aura Air will also screen the Coronavirus

Sheba Medical Hospital is currently piloting the air filtration system of the Israeli start-up, Aura Air >> The company's findings indicate an average of over 90% air filtration and disinfection >> Roy Friedberg, VP of Aura Air: "We started the collaborative work with Sheba in an effort to reduce contaminants in the hospital, and then the Coronavirus arrived".

Last week, the first pilot phase of the Israeli startup Aura Air was completed at Sheba Tel Hashomer Medical Hospital, which was re-elected as one of the top ten hospitals in the world. During this phase, Aura Air monitored and filtered the hospital's surgical department. Against the backdrop of anti-bacterial laboratory experiments demonstrating 99% of influenza viruses (Influenza H1N1 and Influenza H5N1), Aura Air has the potential to screen and target the Coronavirus found in the air.

This pilot joins others conducted by the company on similar viruses along with its strategic partner, Beth-El Industries. The Beth-El Group is one of the world's leading manufacturers of advanced air filtration systems, using cutting-edge technology and exclusive patents. The company exports its products to both the civilian and military sectors worldwide.

Roy Friedberg, VP at Aura Air: "We began the pilot with the goal of helping the department at Sheba reduce pollutants. Now, in the midst of testing, we are focusing on purifying and disinfecting the air from severe viruses, including the Coronavirus. In addition, in light of the impressive performance and results that Aura Air has achieved on the antibacterial level, we are in the final stages of receiving EU funding - the goal is to target solutions for closed space infections in general, and the Coronavirus in particular. "

On February 12, 2020, Aura Air was installed at Sheba Medical Hospital. The installation was done as part of a research pilot aimed at reducing infections in one of the departments. On March 16, the first phase of the process was successfully completed, and the results of the preliminary measurement report were presented to the department's management team.

Phase two of the pilot is an active action aimed at neutralizing and destroying viruses. To date, Aura Air has conducted several anti-bacterial experiments in laboratories that have proven to be highly effective in destroying a wide variety of contaminants previously mentioned (listed in accordance with the table).

Both sides decided to upturn the cooperation and scope of the pilot, with the intention of installing Aura Air at the main friction points of the hospital: laboratories that diagnose the virus, medical staff rooms, operating rooms of patients diagnosed with the virus, and rooms of at-risk patients. Simultaneously, a clinical and microbiological trial will be conducted.

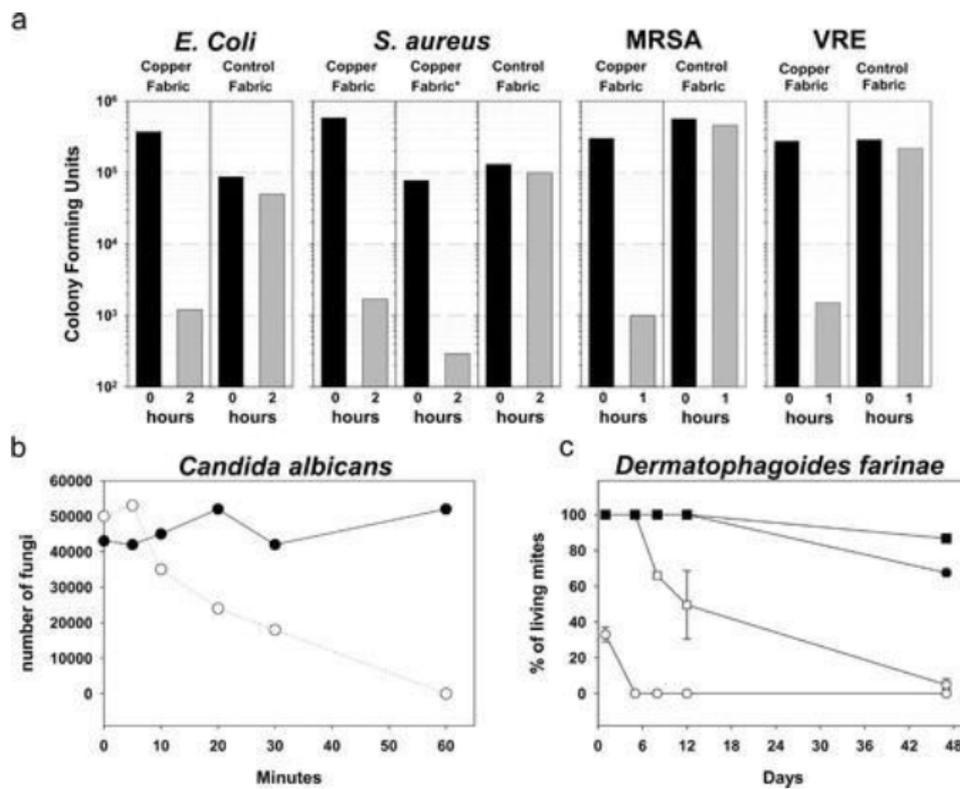


Table 2- Sterionizer efficiency tests

Substance	Substance name	Removal
Bacteria	Escherichia Coli	99%
	Escherichia Coli ATCC	91%
	Staphylococcus aureus	91%
	Pseudomonas aeruginosa	99%
	Staphylococcus aureus (MRSA)	99%
Fungus	Aspergillus Niger	97%
	Candida albicans	36%
	Dichobotrys abundans	90%
	Penicillium	95%
Mold	Cladosporium cladosporioides	97%
Spores	Bacillus subtilis var Niger	89%
Viruses	Influenza H1N1	99%
	Influenza H5N1	99%

Examples of the plates after incubation are presented in Figures 12-13:

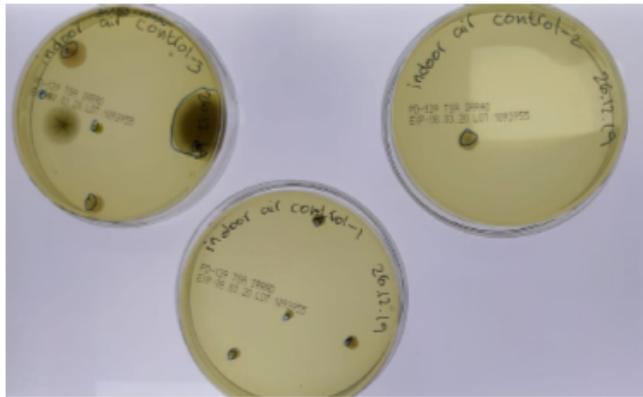


Figure 12: incubation results of the control plates on December 31st,2019



Figure 13: incubation results of the Ray filter+ Sterionizer+ UVC LEDs plates on December 31st,2019

In the recent months, Aura Air has completed three more pilots in the US that have shown significant improvements in air quality (at the Hilton Hotel, a conference room in a commercial building and a residential apartment). The company has also received a \$1.5 million grant from the Research Pilot Innovation Authority in order to test the impact of air quality on student morbidity and grades, which is currently raising \$5 million.