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Kidod, DRDO develop rapid testing machine for COVID-19

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The test has 95% accuracy rate and results in 50 seconds.



Israel based Kidod Sience & Technologies Ltd. has recently developed a non-invasive detection device (size of a desktop computer) for COVID-19 testing, which does not need an expert or any qualified personnel.

The device can detect the virus by Saliva sample only, using the Ion-Mobility Spectrometry (IMS) technique. This testing is done in association with DRDO India.

COVID-19 has the highest spikes so it can attach to the upper respiratory cells at a higher rate than any other viruses. This Virion test has 95% accuracy rate and Result in 50 seconds.

In order to renew international flights without endangering the passengers and destination inhabitants, Virion test can screen a huge number of passengers with accuracy and within a reasonable price too. This can be done within one minute, it's very fast – less than 50 seconds.

The procedure is very simple and the testing rate is up to 70 per hour. Where in with Virion Test Covid-19 virus can be detected in 50 seconds with a device having Ion-Mobility Spectrometry (IMS) technique. It can detect at the early stage of cells destroying by the virus with a sensitivity of as low as 150 picograms. IMS technique used to separate and identify trace number of ionized molecules in the gas phase based on their mobility in a carrier buffer gas.