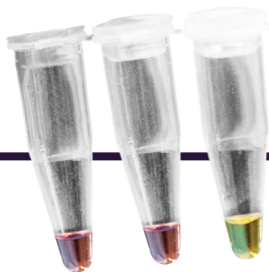




Rapid COVID-19 Test

Developed by
Prof. Naama Geva-Zatorsky

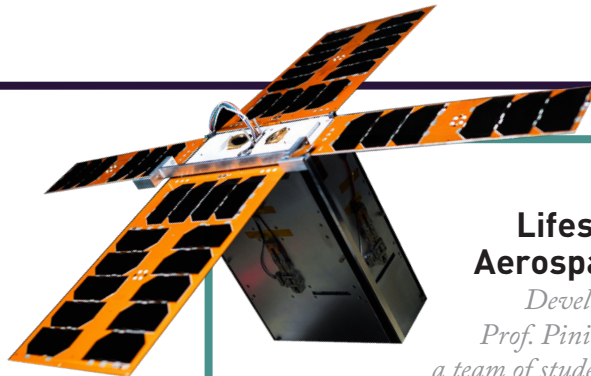
The **NaorCov19** test diagnoses SARS-CoV-2 from saliva in 40 minutes and processes dozens of samples simultaneously. The test has been approved by the EU.



Sniff Test for COVID-19*

Developed by
Prof. Hossam Haick

A device that uses nanomaterial sensors and machine learning can detect COVID-19's distinctive signature biomarkers in exhaled breath. The device is less intrusive than nasal swab tests and provides results immediately.



Lifesaving Aerospace Tech

Developed by
Prof. Pini Gurfil and
a team of students, researchers,
and industry experts

Advanced satellite technology could save lives by precisely locating distress signals. Part of Israel's historic **Adelis-SAMSON** space mission, the system can be used for search and rescue and environmental monitoring.



Protective Sticker for Masks

Developed by
Prof. Eyal Zussman

The 3D-printed **Maya™** sticker covers surgical masks to dramatically boost protection for frontline medical workers from viruses and bacteria. In mass production in Israel, the adhesive contains biocides and nanofibers to filter out even the tiniest infected particles.



Hands-Free Surgery*

Based on research conducted in the
lab of Prof. Moshe Shoham

A surgical robotic system performs biopsies, ablations, and other procedures by inserting and steering instruments to specific locations in the body. **XACT Robotics** received FDA clearance for its unique image-based planning and navigation.

New Generation Rocket Fuel

Developed by
Prof. Benny Natan,
scientific advisor, NewRocket

Startup **NewRocket** is developing gel fuel for rocket engines that is safer and performs better than conventional liquid and solid fuels. "**PowerGel**" is also environmentally friendly.



Technion INNOVATIONS



Bionic Hands for Children

Developed by
Prof. Alon Wolf and Haifa 3D

Children in need of an artificial hand receive colorful, 3D-printed hands, customized with their favorite superhero. More functional than existing prosthetics, they even allow children to catch a ball.

Medical Holography

Developed by
Assoc. Prof. Carmel Rotschild,
co-founder, RealView Imaging

HOLOSCOPE-i™ allows physicians to manipulate real-time, interactive, touchable three-dimensional holographs of a patient's body during minimally invasive cardiac procedures.



Flying Cars*

Developed by
Rafi Yoeli M.S. '84, Ph.D. '87,
founder, Urban Aeronautics

The five-passenger **CityHawk** is the first flying car prototype to take off and land on city streets, rooftops, and evacuation zones. Service as a rescue vehicle could begin in 2026.



Portable PCR*

Developed by
Adam de la Zerda '05,
CEO, Visby Medical

This revolutionary PCR testing platform for infections such as COVID-19 is the first to receive FDA authorization for point-of-care usage. The product has been lauded for its accuracy and speed.



Some items pictured are mock-ups/prototypes or stock images.
*Credit company/innovator's websites.