

THREE KEY TOOLS FROM THE DIAGNOSTICS INDUSTRY THAT WILL BECOME THE “RADAR” IN THE WAR AGAINST PANDEMICS



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After months of sheltering in place during the COVID-19 pandemic, returning to work will require extra care to prevent new surges of infection. The “new normal” will require updated methods to work and travel safely. Handshakes among other welcoming gestures will be a thing of the past. Diagnostic technologies are one of the key tools to identify infected patients, becoming the “radar” in the war against pandemics.

1. Fast Polymerase Chain Reaction (PCR) at the Point-of-Care

Molecular diagnostics is the cutting-edge tool to identify infected COVID-19 patients, rather than the outdated approach of measuring forehead temperature. Fast PCR at the point-of-care is a powerful tool to help GPs/PCPs, workplaces, airports, etc., identify “error free” patients, resulting in the need to be quarantined.

2. Extensive Immunology Testing

The current leading instruments for immune analysis were designed more than 25 years ago and, despite their positive performance, the outdated technology cannot keep up with the demand of the present population. COVID-19 has revealed that future technology will require advanced automation, reduced Turn Around Times (TAT), automated “pooling of samples,” and reduced Levels of Detection (LOD) to support the extensive effort to screen billions of people.





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1,500+ PROGRAMS
AND SECURING
OVER 700+ PATENTS
FOR OUR CLIENTS,
WE HAVE UNIQUE
AND VALUABLE
EXPERTISE.”**

3. Home Testing

When a diagnostic test requires a nasopharyngeal swab to detect a virus, like COVID-19, an at home test is difficult for the average person to perform. Advances in home testing will allow for faster and easier screening of patients, resulting in infected patient identification and quarantine.

Over the past 30 years, Veranex (formerly Ximedica) has partnered with startups and large organizations to bring novel products to market. Having completed 1,500+ programs and securing over 700+ patents for our clients, we have unique and valuable expertise. In the area of diagnostics, we have experience designing the best instruments for molecular diagnostics, developing innovative analytic subsystems for IVD instruments, and manufacturing automated readers to perform quality controls in lateral flow tests. By leveraging Veranex's lessons learned from commercializing hundreds of diagnostic products and our full grasp of system architecture and performance, we understand the development process needed to deliver market-leading medical diagnostic systems.

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