

virex diagnostics

NEXT-GENERATION AT-HOME DIAGNOSTIC TESTING





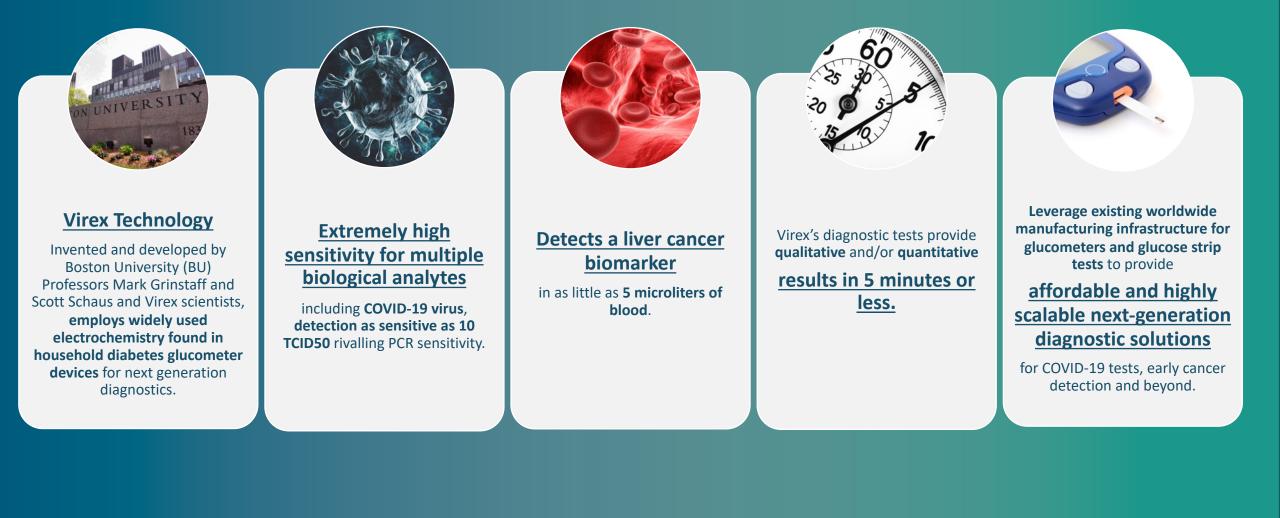
VIREX

Next-generation at-home diagnostic testing that **rivals PCR-level sensitivity** for daily COVID-19 tests and early Cancer diagnosis

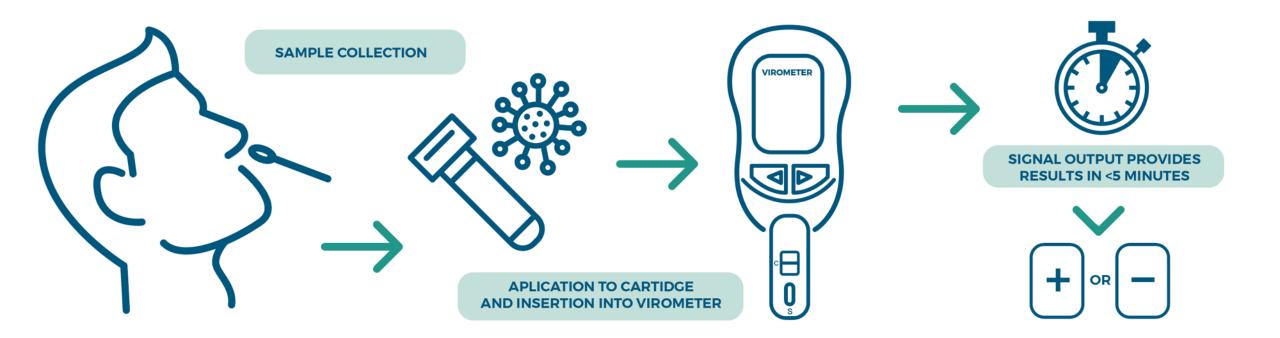


VIREX TECHNOLOGY

leverage existing worldwide manufacturing infrastructure for glucometers and glucose strip tests to provide affordable and highly scalable next-generation diagnostic solutions

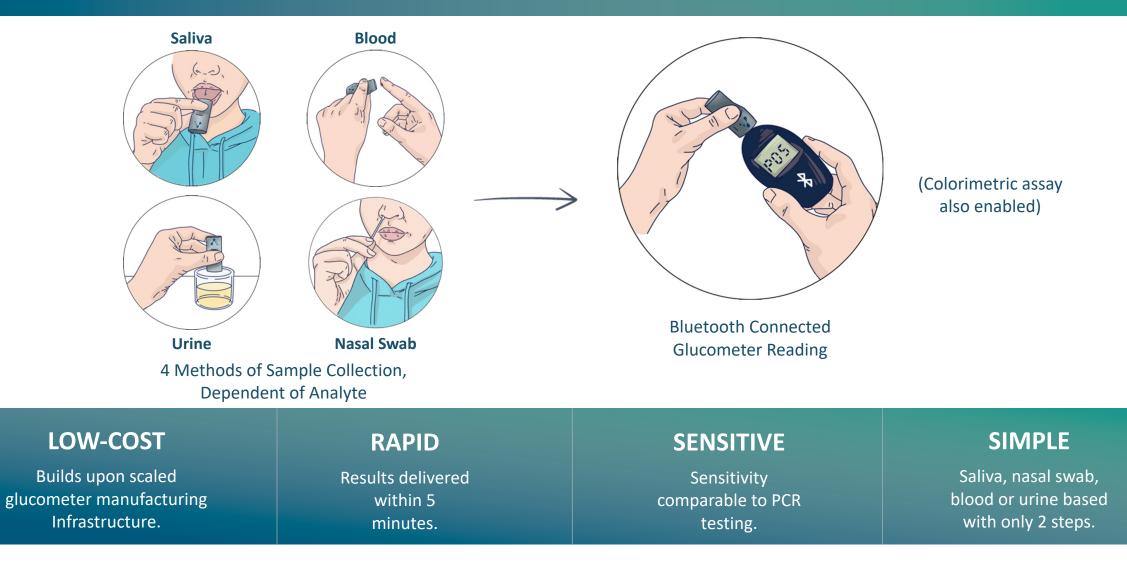


VIREX NEXT GENERATION DIAGNOSTIC: FAST, SENSITIVE, ACCURATE



VIREX INNOVATION

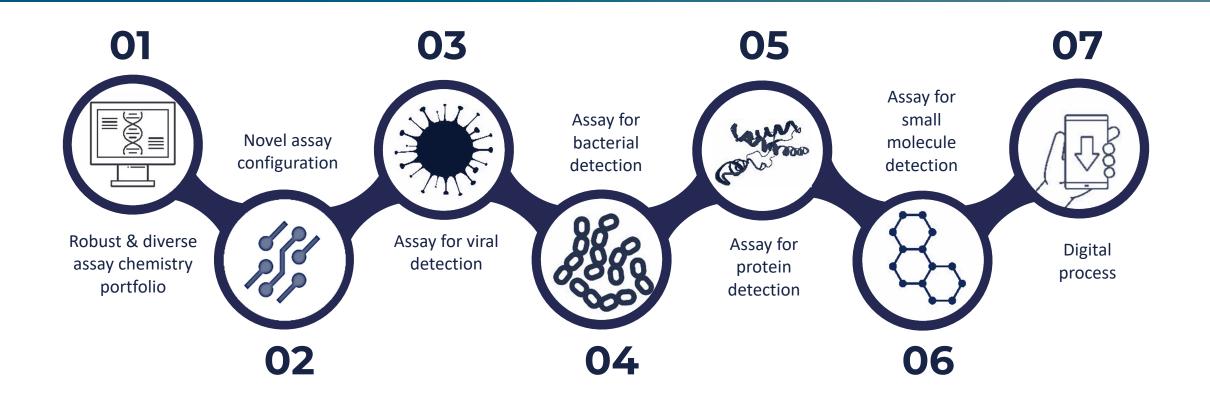
Virex uses novel chemistry to repurpose glucometer devices as a platform for infectious disease, protein and other biomarker detection.



INTELLECTUAL PROPERTY

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Virex employs a robust IP portfolio encompassing assay design, strip configuration, diverse pathogen detection, diverse biomarker detection and digital process.

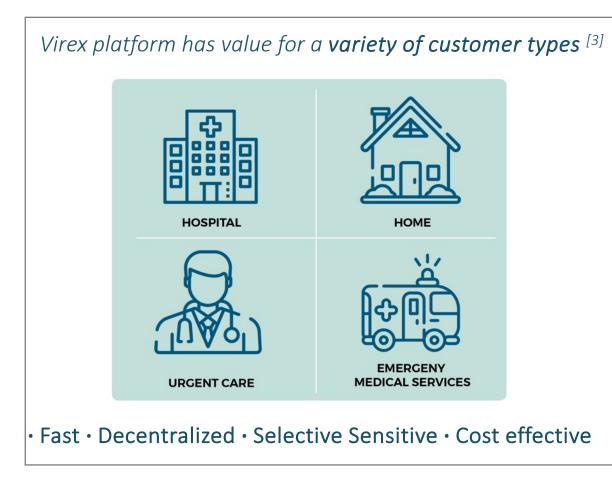


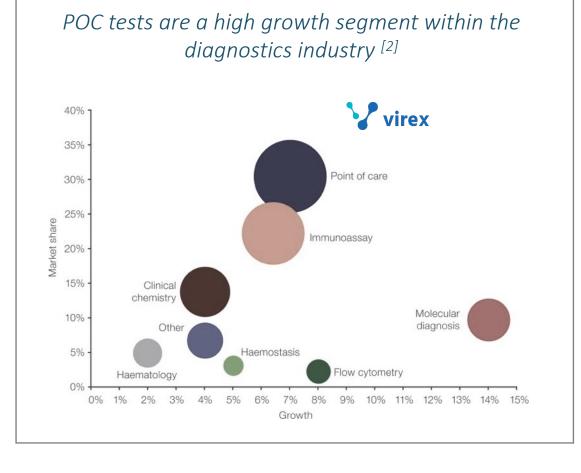
VIREX TECHNOLOGY SUMMARY AND COMPETITIVE LANDSCAPE

80%

DIAGNOSTICS MARKET OVERVIEW

Global Market \$35B in 2020, forecasted to grow to \$81B in 2028 [1]





Sources: [1] <u>Fortune Business Insights</u> [2] <u>NIH</u> [3] A*CS Nano* 2021, 15, 5, 7899–7906, Publication Date: May 13, 2021, <u>https://doi.org/10.1021/acsnano.1c02981</u>

VIREX BIOANALYTE DETECTION PLATFORM

Analyte	LoD	Time to Result	Clinical Range
SARS-CoV-2 Nucleocapsid Protein	20 pg/mL*	5 min	5 - >10,000 ng/mL
SARS-CoV-2 Whole Virus	~10-50 TCID ₅₀ /mL	5 min	10 ² - > 10 ¹² TCID ₅₀ /mL
IL-6 (inflammation, cancer, lupus)	0.02 ng/mL	7 min	0.02 - > 5 ng /mL
Prolactin (prolactinoma)	0.1 ng/mL	5 min	20 – 500 ng/mL
Osteopontin (cancer)	0.1 ng/mL	7 min	20 – 2,000 ng/mL

Data from laboratory setting based on Sorrento/Virex MTA only and Virex proprietary IP, including novel pulse amperometry

ELECTROCHEMICAL ANALYTE DETECTION: INDUSTRY

Virex uniquely repurposes glucometer technology with significant sensitivity improvement

Analyte	Brand	Price / test (\$)	Price/Reader	Limit of detection, or clinical range (ng/mL)
SARS-CoV-2 Nucleocapsid Protein	Virex Health	Market	Market	~0.05*
Glucose	Commodity	\$0.24	\$20	100,000
Lactate	Nova Biomedical	\$1.84	\$300	90,000
Cholesterol	PTS Diagnostics*	Meter + 3 Strips \$169		100,000
Cholesterol	Curo	Meter + Strips \$95		100,000
A1C	PTS Diagnostics	Meter + 20 Strips \$194		75,000
Prothrombin	Siemens	Unknown	\$1,500	0.8 INR

*Data from laboratory setting based on Sorrento/Virex MTA only and Virex proprietary IP, including novel pulse amperometry