

Cell Phone-Enabled Diagnostics: mHealth Applications in IVD

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Abstracts

Mobile health has reached in vitro diagnostics and as this Kalorama report details, may change the industry forever. Over the years, the introduction of transportable, portable, and handheld instruments has resulted in the migration of clinical lab testing from the central lab to a range of environments including self-testing, community clinics, the workplace, home, disaster care and most recently, retail convenience clinics. In spite of promotional materials that emphasize ease of use, the majority of currently available POC tests require a fair amount of medical lab know-how, especially in the interpretation of the test result.

Especially since new technologies are allowing POC devices to produce quantitative lab-quality test results that can be transferred automatically to an information system, to a remote caregiver service for consultation or to an electronic medical record.

This report, *Cell Phone-Enabled Diagnostics: mHealth Applications in IVD* tracks cell phone-enabled products on the market and how they will affect the existing diagnostic industry. As part of this report's coverage, the following is included:

Representative Cell Phone-Enabled Products in Diabetes, Immunoassays, Hematology, Histology and Molecular IVD.

Market Outlook for mHealth In IVD and The Best Areas For Commercial Success

Description of the Market Leaders, Organizations and Companies In This Market.

Government and Payer Support for mHealth

The Role of New technologies in the Evolution of POCT

Consumer, Physician and Payor Willingness

How Upstarts are Faring Vs. Established Products

Analyst Conclusions

Kalorama lead diagnostic analyst Shara Rosen, R.T., MBA presents the new developments in the convergence of IVD and mobile technologies in this unique overview of the mHealth IVD market. The company profile chapter provides a selection of companies and organizations that are pioneering the use of specially designed digital and or wireless and cell phone-enabled test devices for clinical diagnostic applications. The most advanced applications are available for glucose self-testing and the transmission of stained slide images in histology, microbiology and hematology for remote consultation with and analysis by an expert. The following companies are profiled.

Accuster Technologies Pvt. Ltd.

AgaMatrix, Inc.

Alere

ARKRAY

ARUP Laboratories

Axxin

BBInternational

BIO-key International, Inc.

BodyTel Europe GmbH

California Institute of Technology (Caltech)

CellScope

CellScope Inc.

Clearbridge BioLoc Pte Ltd

Columbia University

DNAFORM

eSTI – (Electronic self-testing instruments)

Entra Health Systems

Freescale Semiconductor

Bill and Melinda Gates Foundation

Gene-Z

Genomic Health, Inc.

GenPrime, Inc.

Gentag Inc.

GlySens Incorporated

Harvard University Medical School

Heidelberger-Medical-Marketing GmbH (HMM GmbH)

HolGenTech Inc.

Holomic LLC (formerly Microskia)

Infopia Co Ltd

Intelligent Optical Systems, Inc.

Korea Advanced Institute of Science of Technology (KAIST)

Labonfoil Consortium

Leica Microsystems

Lifescan Inc.

Massachusetts General Hospital

MAVAND Solutions GmbH

MEDIWISS Analytic GmbH

Medtronic Inc.

MycroLab Pty Ltd.

NextLab

Oasis Diagnostics

Oasis Scientific, Inc.

QIAGEN N.V.

QuantuMDx Group Limited

Sano Intelligence

Skannex

TelCare Inc.

Università Commerciale Luigi Bocconi

University of Arizona

University of Washington

X out TB

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AgaMatrix, Inc.
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ARKRAY
ARUP Laboratories
Axxin
BBInternational
BIO-key International, Inc.
BodyTel Europe GmbH
California Institute of Technology (Caltech)
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CellScope Inc.
Clearbridge BioLoc Pte Ltd
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DNAFORM
eSTI – (Electronic self-testing instruments)
Entra Health Systems
Freescale Semiconductor
Bill and Melinda Gates Foundation
Gene-Z
Genomic Health, Inc.
GenPrime, Inc.
Gentag Inc.
GlySens Incorporated

Harvard University Medical School
Heidelberger-Medical-Marketing GmbH (HMM GmbH)
HolGenTech Inc.
Holomic LLC (formerly Microskia)
Infopia Co Ltd
Intelligent Optical Systems, Inc.
Korea Advanced Institute of Science of Technology (KAIST)
Labonfoil Consortium
Leica Microsystems
Lifescan Inc.
Massachusetts General Hospital
MAVAND Solutions GmbH
MEDIWISS Analytic GmbH
Medtronic Inc.
MycroLab Pty Ltd.
NextLab
Oasis Diagnostics
Oasis Scientific, Inc.
QIAGEN N.V.
QuantuMDx Group Limited
Sano Intelligence
Skannex
TelCare Inc.
Università Commerciale Luigi Bocconi
University of Arizona
University of Washington
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