

# Cell Phone-Enabled Diagnostics: mHealth Applications in IVD

https://marketpublishers.com/r/C66AD54DF10EN.html

Date: August 2012

Pages: 130

Price: US\$ 2,500.00 (Single User License)

ID: C66AD54DF10EN

# **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 labquality 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
Gene-Z Genomic Health, Inc.
Genomic Health, Inc.
Genomic Health, Inc.  GenPrime, Inc.
Genomic Health, Inc.  GenPrime, Inc.  Gentag Inc.
Genomic Health, Inc.  GenPrime, Inc.  Gentag Inc.  GlySens Incorporated
Genomic Health, Inc.  GenPrime, Inc.  Gentag Inc.  GlySens Incorporated  Harvard University Medical School
Genomic Health, Inc.  GenPrime, Inc.  Gentag Inc.  GlySens Incorporated  Harvard University Medical School  Heidelberger-Medical-Marketing GmbH (HMM GmbH)



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



## **Contents**

**CHAPTER ONE: EXECUTIVE SUMMARY** 

Introduction
Scope and Methodology
Market Trends

**CHAPTER TWO: INTRODUCTION** 

Background
The Case For Cell phone-Enabled Devices
Consulting From Far and Wide
Point of View

# CHAPTER THREE: ENABLING TECHNOLOGIES AND COMMERCIALIZATION ARRANGEMENTS

Overview

Definition of Cell Phone-Enabled Diagnostics

Advances in Microfluidics and Biosensors

The Interface and Communication Technologies

**UC** Davis Interface

Frontline SMS Medic

iPhones, Blackberrys and PDAs

Are Consumers Ready for mHealth?

Physician and Payor Opinion

### **CHAPTER FOUR: MARKET ANALYSIS - CELL PHONE-ENABLED DEVICES**

Overview

Cell phone-Enabled Diagnostics For Diabetes

Scourge of Diabetes

Market Status of New Cell phone Glucose Monitors

Regulation

Diagnostics in Cars?

Cell phone-Enabled Rapid Immunoassays

**Decentralized Trend** 

**Lateral Flow Tests** 



Focus on Infectious Diseases

Cell-Phone Enabled Microscopy

Histology

Microbiology

Hematology

Cell Phone-Enabled Molecular Tests

Amplification

**Nucleic Acid Lateral Flow** 

Microfluidic Cartridge-Based Approaches

The Commercial Outlook for Cell phone-enabled Diagnostic Devices

**CHAPTER FIVE: CONCLUSION** 

**CHAPTER SIX: COMPANIES AND OFFERINGS** 

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



# **List Of Exhibits**

#### LIST OF EXHIBITS

CHAPTER THREE: ENABLING TECHNOLOGIES AND COMMERCIALIZATION ARRANGEMENTS

Table 3-1: Selected Cell phone Enabled Test Devices

CHAPTER FOUR: MARKET ANALYSIS - CELL PHONE-ENABLED DEVICES

Table 4-1: Selected Cell phone-based Glucose Meters

Table 4-2: Selected Wireless Enabled Glucose Monitors, 2011

Table 4-3: Rapid Immunoassay Test Sales by Test Category 2011-2016, \$ million

Table 4-4: Selected Cell phone-enabled Rapid Immunoassay Innovations

Table 4-5: Selected Molecular Tests And Platforms For Infectious Diseases

Table 4-6: Selected Cell Phone-Enabled Molecular Test Devices In Development



#### I would like to order

Product name: Cell Phone-Enabled Diagnostics: mHealth Applications in IVD

Product link: <a href="https://marketpublishers.com/r/C66AD54DF10EN.html">https://marketpublishers.com/r/C66AD54DF10EN.html</a>

Price: US\$ 2,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

First name: Last name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/C66AD54DF10EN.html">https://marketpublishers.com/r/C66AD54DF10EN.html</a>

# To pay by Wire Transfer, please, fill in your contact details in the form below:

Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970