

2016 Emerging Opportunities in the UK Infectious Disease Molecular Diagnostics Market: Supplier Shares, Competitive Strategies, Segment Forecasts, Innovative Technologies, Instrumentation Review

https://marketpublishers.com/r/263E98E95E0EN.html

Date: October 2015

Pages: 977

Price: US\$ 3,480.00 (Single User License)

ID: 263E98E95E0EN

Abstracts

Complete report \$4,350. DataPack (test volumes, sales forecasts, supplier shares) \$2,800. The report is available by section, market segment, individual test, and can be custom-tailored to your specific information needs and budget.

This new study from VPGMarketResearch.com contains 977 pages, 50 tables, and is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the infectious disease molecular diagnostics market during the next five years.

Report Highlights

Business and technological trends in major markets

Five-year test volume and sales forecasts

Market shares of leading competitors

Feature comparison of major analyzers

Strategic profiles of leading market players and start-up firms developing innovative products

Specific product and business opportunities for instrument and consumable



suppliers.

Rationale

The infectious disease molecular diagnostics market is one of the most rapidly growing segment of the in vitro diagnostics industry. The next five years will witness significant developments in reagent systems and automation, as well as introduction of a wide range of new products that will require innovative marketing approaches. The rate of market penetration into routine clinical laboratories, however, will depend on the introduction of cost-effective and automated systems with amplification methods.

In order to successfully capitalize on the opportunities presented by the infectious disease molecular diagnostics market, many companies are already exploiting new molecular technologies as corporate strategic assets, managed in support of business and marketing strategies. Integrating new technology planning with business and corporate strategies will be one of the most challenging tasks for diagnostic companies during the next five years.

U.K. Market Overview

Laboratories performing DNA sequencing and molecular diagnostic testing for infectious diseases and market segment.

Five-year test volume and sales projections.

Market Segmentation Analysis

Sales and market shares of leading suppliers of infectious disease molecular diagnostic reagent kits and components.

Five-year test volume and sales projections for over 40 infectious disease molecular diagnostic assays.

A comprehensive analysis of the sequencing market and laboratory segment.

Detailed market segmentation analysis, including review of the market dynamics, trends, structure, size, growth and major suppliers.



Product/Technology Review

Comparison of leading infectious disease molecular diagnostic analyzers.

Extensive review of molecular diagnostic technologies, test formats, detection methodologies, trends in testing automation and over target/signal amplification methods.

Worldwide listings of companies, universities and research centers developing new molecular diagnostic technologies and products.

Competitive Assessments

Extensive strategic assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, collaborative arrangements and new technologies/products in R&D.

ıg'	Abbott
	Affymetrix
	Agilent Technologies
	Applied Gene Technologies
	Arca Biopharma
	Beckman Coulter/Danaher
	Becton Dickinson
	Biokit
	bioMerieux

Bio-Rad



Biotest	
Cepheid	
CellMark Forensics/LabCorp	
Decode Genetics	
Diadexus	
Eiken	
Elitech Group	
Enzo	
Exact Sciences	
Fujirebio	
Grifols	
Hologic/Gen-Probe	
Illumina	
Kreatech	
Li-Cor Biosciences	
Monogram Biosciences/LabCorp	
Myriad Genetics	
Ortho-Clinical Diagnostics	
Perkin Elmer/Caliper	

Proteome Sciences



Qiagen

	Roche				
	Scienion				
	Sequenom				
	Shimadzu				
	Siemens				
	Sierra Molecular				
	Takara Bio				
	Tecan Group				
	Thermo Fisher				
	Comprehensive listings of companies developing and marketing infectious disease molecular diagnostic products, by test and application.				
Oppor	Opportunities and Strategic Recommendations				
	Specific new product development opportunities with potentially significant market appeal during the next five years.				
	Design criteria for new products.				
	Alternative market penetration strategies.				
	Potential market entry barriers and risks.				
	Business planning issues and concerns.				



Contains 977 pages and 50 tables



Contents

I. INTRODUCTION

II. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

- A. Instrumentation
- B. Reagent Kits and Test Systems/panels
- C. Computers, Software and Automation
- D. Auxiliary Products

III. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

IV. ALTERNATIVE MARKET PENETRATION STRATEGIES

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies For Decentralized Testing Markets

V. POTENTIAL MARKET ENTRY BARRIERS AND RISKS

- A. Market Maturity
- B. Cost Containment
- C. Competition
- D. Technological Edge And Limitations
- E. Patent Protection
- F. Regulatory Constraints
- G. Decentralized Testing Market Challenges

VI. WORLDWIDE MARKET AND TECHNOLOGY REVIEW

- A. DNA Sequencing
 - 1. Introduction
 - 2. Sequencing Methods
 - 3. Autoradiography
 - 4. The Human Genome Project
 - 5. Sequencing Automation
 - 6. Image Scanners



- 7. Fluorescent Detection
- 8. Gene Profiling
- 9. Gene Expression
- 10. Polymorphism Screening
- 11. Protein Interaction Networks
- B. DNA and RNA Probe Technologies
 - 1. Basic Principles
 - 2. Probe Preparation
 - 3. The DNA Probe Test
 - 4. Test Formats
 - 5. Labeling Techniques
 - 6. Amplification Methods
- C. Detection Technologies
 - 1. Radioactive Methods
 - a. Overview
 - b. Major Isotopes

P-32

S-35

H-3

I-125

- 2. Non-Isotopic Methods
 - a. Enzymatic Labels
 - b. Chemical Labeling

Indirect Chemical Labeling

Direct Chemical Labeling

- c. Fluorescence
- d. Chemiluminescence
- e. Electrical Conductivity
- D. Molecular Diagnostic Instrumentation Review
 - 1. Abbott LCx
 - 2. Beckman Coulter/Biomek FK
 - 3. BD Viper System with XTR Technology
 - 4. BD Innova
 - 5. Becton Dickinson SDA
 - 6. bioMerieux NucliSENS easyMAG
 - 7. bioMerieux NucliSENS easyQ and MiniMAG
 - 8. Bio-Rad GeneScope
 - 9. Cepheid GeneXpert
 - 10. Curetis Unyvero



- 11. GenMark Dx eSensor XT-8
- 12. Hologic/Gen-Probe Panther
- 13. Hologic/Gen-Probe Tigris/DTS
- 14. HTG Molecular Edge
- 15. Life Technologies QuantStudio Dx
- 16. Qiagen QIAsymphony RGQ
- 17. Roche Cobas Amplicor
- 18. Roche Cobas TaqMan
- 19. Roche Cobas TagMan
- 20. Roche Cobas TaqMan AmpliPrep
- 21. Roche LighCycler
- 22. Roche Cobas 4800
- 23. Roche Cobas s
- 24. Siemens Versant
- 25. Tecan LS Series
- E. Biochips: Genosensors, Microarrays, and Labs-on-the-Chip

Liquid Transportation and Mixing

Separation

Reaction

Detection

- F. Pharmacogenomics
- G. Major Applications, Microbiology/Infectious Diseases
 - a. Overview
 - b. Major Infectious Diseases

AIDS: HIV/HIV-1/2/Combo, HIVAg/HIV NAT, Western Blot, HTLV-I/II

Adenovirus

Aeromonas

Anthrax/Bacillus Anthracis

Arboviruses

Babesiosis

Bacillary Epithelioid Angiomatosis (BEA) and Other Bartonella (Rochalimaea)

Blastocystis Hominis

Brucella

Campylobacter

Candida

Chagas Disease

Chancroid

Chlamydia

Clostridium Difficile



Coronaviruses

Coxsackieviruses

Creutzfeldt-Jakob's Disease

Cryptosporidium Parvum

Cyclospora Cayetanensis

Cytomegalovirus

Ebola Virus

E. Coli

EchoVirus

Encephalitis

Enteroviruses

Epstein-Barr Virus

Giardia Lamblia

Gonorrhea

Granuloma Inguinale

Hantavirus

Helicobacter Pylori

Hepatitis: HAV NAT, HBV NAT, HBs Ag, HCV, HCV NAT, Anti-HBc, Anti-HBs, Anti-HAV, Hepatitis Delta, HBc Ag, HBe Ag, ALT/SGPT

Herpes Simplex Virus

Human Herpes Virus-6 (HHV-6)

Influenza Viruses

Legionella

Lyme Disease

Lymphogranuloma Venereum (LGV)

Malaria

Measles (Rubeola)

Meningitis

Microsporidium

Mononucleosis

Mumps

Mycoplasma

Papillomaviruses

Parvovirus B19

Pneumonia

Polyomaviruses

Pseudomonas Aeruginosa

Rabies

Respiratory Syncytial Virus (RSV)



Rhinoviruses

Rotavirus

Rubella

Salmonellosis

Septicemia

Shigellosis

Staphylococcus Aureus

Streptococci

Syphilis

Toxoplasmosis

Trichomonas Vaginalis

Tuberculosis

Vibrio

West Nile Virus

Yersina

- H. Competing/complementing
 - 1. Monoclonal Antibodies/Immunoassays
 - 2. RNA Probes
 - 3. Two-Dimensional Electrophoresis
 - 4. Flow Cytometry

VII. U.K. MOLECULAR DIAGNOSTICS MARKET

- A. Executive Summary
- **B.** Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, Major Supplier Sales and Market Shares

VIII. COMPETITIVE ASSESSMENTS

Abbott

Affymetrix

Agilent Technologies

Applied Gene Technologies

Arca Biopharma

Beckman Coulter/Danaher

Becton Dickinson

Biokit



bioMerieux

E	Bio-Rad
Е	Biotest
(Cepheid
(CellMark Forensics/LabCorp
	Decode Genetics
	Diadexus
E	Eiken
E	Elitech Group
E	Enzo
E	Exact Sciences
F	-ujirebio
(Grifols
ŀ	Hologic/Gen-Probe
I	llumina
ł	Kreatech/Leica
L	Li-Cor Biosciences
Ν	Monogram Biosciences/LabCorp
Ν	Myriad Genetics
(Ortho-Clinical Diagnostics
F	Perkin Elmer/Caliper
F	Proteome Sciences
(Qiagen
F	Roche
5	Scienion
5	Sequenom
5	Shimadzu
5	Siemens
5	Sierra Molecular
٦	Гakara Bio
٦	Гесаn Group
٦	Γhermo Fisher



List Of Tables

LIST OF TABLES

Major Companies Developing or Marketing AIDS Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Adenovirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Bartonella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Campylobacter Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Candida Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Chlamydia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Clostridium Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Coronavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Cryptosporidium Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing CMV Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Echovirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Enterovirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing EBV Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Giardia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Gonorrhea Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Hantavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Helicobacter Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Hepatitis Molecular Diagnostic and Other



Direct Identification Tests

Major Companies Developing or Marketing Herpes Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Influenza Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Legionella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Lyme Disease Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Measles Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Meningitis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Mononucleosis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Mumps Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Mycoplasma Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Pneumonia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing RSV Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Rotavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Rubella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Salmonella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Septicemia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Shigella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Streptococci Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Syphilis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Toxoplasmosis Molecular Diagnostic and Other Direct Identification Tests



Major Companies Developing or Marketing Trichomonas Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Tuberculosis Molecular Diagnostic and Other Direct Identification Tests

U.K. Molecular Diagnostics Test Volume And Sales by Major Application 2014-2019

U.K. Laboratories Performing DNA Sequencing by Market Segment 2014

U.K. Molecular Diagnostics Market Potential Laboratory Universe by Market Segment 2014

U.K. Molecular Diagnostics Test Volume by Major Application 2014-2019

U.K. Major Infectious Disease Test Volume by Assay 2014-2019

U.K. Major Infectious Disease Test Volume by Method 2014

U.K. Molecular Diagnostics Market by Major Application 2014-2019

U.K. Molecular Diagnostics Market Estimated Sales And Market Shares of Major Suppliers 2014

U.K. Major Infectious Disease Diagnostics Market by Assay 2014-2019

U.K. AIDS Testing Market Estimated Sales by Major Supplier 2014

U.K. Gonorrhea Testing Market Estimated Sales by Major Supplier 2014

U.K. Hepatitis Testing Market Estimated Sales by Major Supplier 2014

U.K. Hepatitis C Testing Market Estimated Sales by Major Supplier 2014

U.K. HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier 2014

U.K. Influenza Testing Market Estimated Sales by Major Supplier 2014

U.K. Mycoplasma Testing Market Estimated Sales by Major Supplier 2014

U.K. Pneumonia Testing Market Estimated Sales by Major Supplier 2014

U.K. Shigella Testing Market Estimated Sales by Major Supplier 2014



I would like to order

Product name: 2016 Emerging Opportunities in the UK Infectious Disease Molecular Diagnostics Market:

Supplier Shares, Competitive Strategies, Segment Forecasts, Innovative Technologies,

Instrumentation Review

Product link: https://marketpublishers.com/r/263E98E95E0EN.html

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/263E98E95E0EN.html

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

First name:	
Last name:	
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 https://marketpublishers.com/docs/terms.html

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