

# POC/Point-of-Care Infectious Disease Testing Market Forecast 2017-2021: New Frontiers, Business Challenges, Emerging Technologies, Competitive Landscape

https://marketpublishers.com/r/P703930AE92EN.html

Date: December 2017 Pages: 835 Price: US\$ 8,500.00 (Single User License) ID: P703930AE92EN

# **Abstracts**

VPGMarketResearchs new report provides comprehensive analysis of the POC infections disease testing market, including its dynamics, size, growth, regulatory requirements, technological trends, competitive landscape, and emerging opportunities for instrument and consumable suppliers.

#### Rationale

The growing economic pressures on hospitals, coupled with advances in diagnostic technologies, intensifying competition among suppliers and physicians, and changing consumer demands are shifting diagnostic testing from hospitals and commercial laboratories closer to the patient.

#### Market Segmentation

Review of the POC market segments, including their dynamics, trends, structure, size, growth and major suppliers.

Five-year test volume and reagent sales forecasts for major infectious disease tests by market segment:

Physician Offices/Group Practices

Emergency Rooms



Ambulatory Care Centers

**Surgery Centers** 

Birth Centers

Sales and Market Share Analysis

Sales and market shares of major reagent and instrument suppliers.

Infectious Disease Tests

AIDS/HIV, Adenovirus, Aeromonads, Bartonella, Blastocystis Hominis, Campylobacter, Candida, Chancroid, Chlamydia, Clostridium, Coronavirus, Coxsackievirus, Cryptosporidium, Cyclospora, CMV, E. Coli, Echovirus, Encephalitis, Enterovirus, EBV, Giardia, Gonorrhea, Granuloma Inguinale, Hantavirus, H. Pylori, Hepatitis (A, B, C, D, E), Herpes Simplex Virus, Human Herpes Virus-6 (HHV-6), Influenza, Legionella, Lyme disease, Pymphogranuloma, Malaria, Measles, Meningitis, Mononucleosis, Microsporidium, Mononucleosis, Mumps, Mycoplasma, Polyomaviruses, Parvovirus B19, Pneumonia, Polyomaviruses, Pseudomonas, Rabies, RSV, Rhinovirus, Rheumatoid Arthritis, Rotavirus , Rubella, Salmonellosis, Septicemia, Shigella, Staphylococci, Streptococci, Syphilis, Toxoplasmosis, Trichomonas, Tuberculosis, Vibrio, West Nile, Yersenia.

**Technology Review** 

Emerging technologies and their applications for POC testing.

Comprehensive listings of companies developing or marketing POC diagnostic technologies and products, by test.

#### Strategic Recommendations

Specific opportunities for new POC instruments and reagent systems with potentially significant market appeal during the next five years.



Design criteria for POC testing products.

Alternative business expansion strategies.

Potential market entry barriers and risks.

#### **Competitive Assessments**

Assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, joint ventures, and new products in R&D.

The companies analyzed in the report include:

Abbott

Accriva

ADI/American Diagnostica

Agilent Technologies

Alere/Biosite/Inverness

Axis-Shield

Beckman Coulter/Danaher

**Becton Dickinson** 

Bio/Data

Biomerieux

Bio-Rad



Cepheid

Chrono-Log

Corgenix

**Decode Genetics** 

Diadexus

Diagnocure

Diagnostica Stago/Trinity Biotech

Diamedix/Erba

Diasorin

**Eiken Chemical** 

**EKF** Diagnostics

Fujirebio

Grifols

Helena Laboratories

Hologic/Gen-Probe

Horiba

Instrumentation Laboratory

Kreatech/Leica

Kyowa Medex

Lonza



Mackay Life Sciences

Matritech

Nihon Kohden

**Ortho-Clinical Diagnostics** 

**Polartechnics** 

Polymedco

Qiagen

Roche

SDIX

Sequenom

Siemens

Sienco

Sysmex

Takara Bio

Thermo Fisher

Tosoh

Wako

Zycare/Alere

Methodology



This report is based on a combination of primary and secondary sources of information, including review of recent technical and business publications, manufacturer product literature, industry analyst reports, and VPGMarketResearch's proprietary data files.

Contains 835 pages and 80 tables



# Contents

#### INTRODUCTION

#### **EXECUTIVE SUMMARY**

#### **RATIONALE FOR TESTING DECENTRALIZATION**

- 1. OVERVIEW
- 2. REGULATORY TRENDS
- 3. ECONOMIC TRENDS
- 4. DEMOGRAPHIC TRENDS
- 5. TECHNOLOGICAL TRENDS
- 6. SOCIAL TRENDS
- 7. QUALITY OF CARE
- 8. DEFENSIVE MEDICINE
- 9. QUALITY CONTROL ISSUES

#### WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

- 1. AIDS
- 2. ADENOVIRUS
- 3. CAMPYLOBACTER
- 4. CANDIDA
- 5. CHLAMYDIA
- 6. CLOSTRIDIUM DIFFICILE
- 7. CYTOMEGALOVIRUS
- 8. ENTEROVIRUSES
- 9. EPSTEInBARR VIRUS
- 10. GONORRHEA
- 11. HELICOBACTER PYLORI
- 12. HEPATITIS
- a. Hepatitis A
- b. Hepatitis B
- c. Hepatitis C
- d. Hepatitis D
- 13. HERPES SIMPLEX VIRUS
- 14. HUMAN HERPES VIRUS 6 (HHV 6)
- **15. INFLUENZA VIRUSES**



- 16. LEGIONELLA
- 17. LYME DISEASE
- 18. MEASLES (RUBEOLA)
- **19. MENINGITIS**
- 20. MONONUCLEOSIS
- 21. MUMPS
- 22. MYCOPLASMA
- 23. PAPILLOMAVIRUSES
- 24. PNEUMONIA
- 25. RESPIRATORY SYNCYTIAL VIRUS (RSV)
- 26. RHEUMATOID ARTHRITIS
- 27. ROTAVIRUS (REOVIRUS)
- 28. RUBELLA (GERMAN MEASLES)
- 29. SALMONELLOSIS
- **30. SHIGELLOSIS**
- 31. STAPHYLOCOCCUS AUREUS
- 32. STREPTOCOCCI
- 33. SYPHILIS
- INSTRUMENTATION: Infectious Disease Analyzers Manufactured by:

Abbott

Beckman Coulter/Danaher

bioMeriuex

Ortho Clinical Diagnostics

Roche

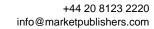
Siemens

Tosoh

Wallac, and other suppliers

## **CURRENT AND EMERGING TECHNOLOGIES**

- 1. MONOCLONAL ANTIBODIES
- 2. IMMUNOASSAYS
- a. Technological Principle
- b. Enzyme Immunoassays (EIA)
- Overview
- ELISA
- Dot Immunobinding Assays
- Capillary Immunoassays
- Particle Membrane Capture Immunoassay





**Enzyme Amplification** 

- c. Fluorescent Immunoassays
- Fluorescent Polarization
- Time Resolved Pulse Fluorescence
- d. Luminescence
  - Chemiluminescence
  - Bioluminescence
- e. Latex Agglutination
- f. Immunoprecipitation
- 3. DRY CHEMISTRY
- 4. BIOSENSORS
- 5. IT AND AUTOMATION
- 6. MOLECULAR DIAGNOSTICS
  - a. Technology Overview
  - b. Amplification Methods
    Polymerase Chain Reaction
    Ligase Chain Reaction
    Branched DNA
    Q Beta Replicase
  - Strand Displacement Activation
  - Self Sustained Sequence Replicase

#### U.S.A.

- a. MARKET OVERVIEW
- 1. BUSINESS ENVIRONMENT
- a. Health Care Expenditures
- b. Cost Consciousness
- c. Reimbursement
- d. Industry Consolidation
- e. Managed Care

#### PPO

#### HMO

- f. Hospitals
- g. Admissions



h. Length of Stay

#### **1. INDUSTRY DIVERSIFICATION**

- j. Physician Demographics
- k. Aging Population
  - More Chronic Illness Disease Incidence Susceptibility t latrogenesis
  - Multiple Illnesses Cases
- I. Laboratory Regulations
  - 2. MARKET STRUCTURE
    - a. Hospitals
    - b. Commercial/Private Laboratories
  - c. Physician Offices/Group Practices
  - 1. MARKET SUMMARY
  - 2. MARKET STRUCTURE
  - 3. TEST VOLUME AND SALES FORECASTS
  - d. ANCILLARY HOSPITAL LOCATIONS
  - 1. INTRODUCTION
  - a. Emergency Departments
  - b. Operating Suites
  - c. Intensive Care Units
  - 2. EMERGENCY DEPARTMENTS
    - a. Market Summary
  - b. Test volume and Sales Forecasts
  - 3. OPERATING AND RECOVERY SUITES
    - a. Market Summary
    - b. Test Volume and Sales Forecasts
  - 4. ICUS/CCUS
    - a. Market Summary
    - b. Test Volume and Sales Forecasts
    - e. Cancer Clinics
  - 1. INTRODUCTION
  - 2. MARKET SUMMARY
  - 3. TEST VOLUME AND SALES FORECASTS
  - f. Ambulatory Care Centers
  - 1. INTRODUCTION



- 2. MARKET SUMMARY
- 3. MARKET STRUCTURE
- 4. TEST VOLUME AND SALES FORECASTS
- g. Surgery Centers
- 1. INTRODUCTION
- 2. MARKET SUMMARY
- 3. MARKET STRUCTURE
- 4. TEST VOLUME AND SALES FORECASTS
- h. Nursing Homes 1. INTRODUCTION
- 2. MARKET SUMMARY
- 3. MARKET STRUCTURE
- 4. TEST VOLUME AND SALES FORECASTS

## **1. BIRTH CENTERS**

- 1. INTRODUCTION
- 2. MARKET SUMMARY
- 3. MARKET STRUCTURE
- 4. TEST VOLUME AND SALES FORECASTS
- J. Major Suppliers' Instrument Placements, Installed Base, Reagent Sales and Market Shares

Germany

- a. MARKET OVERVIEW
- b. Market Structure
- c. Market Summary
- d. Major Suppliers' Reagent Sales and Market Shares

Spain

- a. Business Environment
- b. Market Structure
- c. Market Summary
- d. Major Suppliers' Reagent Sales and Market Shares

#### MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

#### DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

#### ALTERNATIVE MARKET PENETRATION STRATEGIES



- a. Internal Development
- b. Collaborative Arrangements
- c. University Contracts
- d. Distribution Strategies for Decentralized Testing Markets
- **1. MARKETING APPROACHES**
- 2. PRODUCT COMPLEXITY
- 3. CUSTOMER PREFERENCE
- 4. ESTABLISHED SUPPLIERS
- 5. EMERGING SUPPLIERS
- 6. MAJOR TYPES OF DISTRIBUTORS
- 7. MARKET SEGMENTATION

#### 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

#### **COMPANY PROFILE**

Abbott Affymetrix Beckman Coulter/Danaher Becton Dickinson bioMerieux Bio Rad Cepheid Diamedix DiaSorin Eiken Chemical EnzBiochem Fujirebio/Innogenetics Grifols/Novartis Diagnostics Hologic/GenProbe ID Biomedical/GSK



Kreatech Lonza Nanogen/Elitech Ortho Clinical Diagnostics Qiagen Roche Scienion Sequenom SeraCare Siemens Takara Bio ThermFisher/Life Technology Wallac/PE Wako



# **List Of Tables**

#### LIST OF TABLES

Major Companies Developing or Marketing AIDS Tests Major Companies Developing or Marketing Adenovirus Tests Major Companies Developing or Marketing Campylobacter Tests Major Companies Developing or Marketing Candida Tests Major Companies Developing or Marketing CMV Tests Major Companies Developing or Marketing EBV Tests Major Companies Developing or Marketing Gonorrhea Tests Major Companies Developing or Marketing Helicobacter Pylori Tests Major Companies Developing or Marketing Hepatitis Tests Major Companies Developing or Marketing Herpes Tests Major Companies Developing or Marketing Influenza Tests Major Companies Developing or Marketing Legionella Tests Major Companies Developing or Marketing Lyme Disease Tests Major Companies Developing or Marketing Measles Tests Major Companies Developing or Marketing Meningitis Tests Major Companies Developing or Marketing Mononucleosis Tests Major Companies Developing or Marketing Mumps Tests Major Companies Developing or Marketing Mycoplasma Tests Major Companies Developing or Marketing Pneumonia Tests Major Companies Developing or Marketing RSV Tests Major Companies Developing or Marketing Rotavirus Tests Major Companies Developing or Marketing Rubella Tests Major Companies Developing or Marketing Salmonella Tests Major Companies Developing or Marketing Shigella Tests Major Companies Developing or Marketing Streptococci Tests Major Companies Developing or Marketing Syphilis Tests U.S.A., Physician Office/Group Practice Laboratories Forecast by Practice Size U.S.A., Physician Offices/Group Practices Forecast by Type U.S.A., Office Based Physicians Forecast by Practice Type U.S.A., Physician Offices/Group Practices Infectious Disease Test Volume Forecast U.S.A., Physician Offices/Group Practices Microbiology Test Volume Forecast U.S.A., Physician Offices/Group Practices Infectious Disease Reagent and Instrument Sales Forecast U.S.A., Physician Offices/Group Practices Microbiology Reagent and Instrument Sales Forecast



U.S.A., ANCILLARY HOSPITAL LOCATIONS Estimated Number

U.S.A., ANCILLARY HOSPITAL LOCATIONS Annual Utilization

U.S.A., Hospital Emergency Departments Infectious Disease Test Volume Forecast

U.S.A., Hospital Emergency Departments Infectious Disease Reagent and Instrument Sales Forecast

U.S.A., Ambulatory Care Centers Estimated Number of Facilities and Patient Visits

U.S.A., Ambulatory Care Centers Most Frequent Diagnoses

U.S.A., Ambulatory Care Centers Infectious Disease Test Volume Forecast

U.S.A., Ambulatory Care Centers Microbiology and Serology Test Volume Forecast

U.S.A., Ambulatory Care Centers Infectious Disease Reagent and Instrument Sales Forecast

U.S.A., Ambulatory Care Centers Microbiology and Serology Reagent and Instrument Sales Forecast

U.S.A., Surgery Centers Most Frequently Performed Procedures

U.S.A., Surgery Centers Microbiology and Serology Test Volume Forecast

U.S.A., Surgery Centers Microbiology and Serology Reagent and Instrument Sales Forecast

U.S.A., Birth Centers Facilities, Patient Visits, and Births

U.S.A., Birth Centers Microbiology and Serology Test Volume Forecast

U.S.A., AIDS Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Chlamydia Testing Market Estimated Market Shares of Major Suppliers

U.S.A., CMV Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Gonorrhea Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Helicobacter Pylori Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Hepatitis Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Herpes Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Influenza Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Lyme Disease Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Mononucleosis Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Rubella Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Streptococci Testing Market Estimated Market Shares of Major Suppliers

U.S.A., Syphilis Testing Market Estimated Market Shares of Major Suppliers

Germany, Laboratory Performing Diagnostic Tests by Market Segment

Germany, AIDS Testing Market Estimated Market Share of Major Suppliers

Germany, Gonorrhea Testing Market Estimated Market Share of Major Suppliers Germany, Hepatitis Testing Market Estimated Market Share of Major Suppliers

Germany, Herpes Testing Market Estimated Market Share of Major Suppliers Germany, Influenza Testing Market Estimated Market Share of Major Suppliers Germany, Mononucleosis Testing Market Estimated Market Share of Major Suppliers



Germany, Septicemia Testing Market Estimated Market Share of Major Suppliers Germany, Streptococci Testing Market Estimated Market Share of Major Suppliers Spain, Laboratory Performing INFECTIOUS DISEASE TESTS by Market Segment Spain, AIDS Testing Market Estimated Market Shares of Major Suppliers Spain, Chlamydia Testing Market Estimated Market Shares of Major Suppliers Spain, Hepatitis Testing Market Estimated Market Shares of Major Suppliers Spain, Herpes Testing Market Estimated Market Shares of Major Suppliers Spain, Influenza Testing Market Estimated Market Shares of Major Suppliers Spain, Mononucleosis Testing Market Estimated Market Shares of Major Suppliers Spain, Rubella Testing Market Estimated Market Shares of Major Suppliers Spain, Streptococci Testing Market Estimated Market Shares of Major Suppliers Spain, Streptococci Testing Market Estimated Market Shares of Major Suppliers



### I would like to order

Product name: POC/Point-of-Care Infectious Disease Testing Market Forecast 2017-2021: New Frontiers, Business Challenges, Emerging Technologies, Competitive Landscape Product link: <u>https://marketpublishers.com/r/P703930AE92EN.html</u> Price: US\$ 8,500.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/P703930AE92EN.html</u>

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 <u>https://marketpublishers.com/docs/terms.html</u>

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



POC/Point-of-Care Infectious Disease Testing Market Forecast 2017-2021: New Frontiers, Business Challenges, Em...