

# 2017 Japan Infectious Disease Molecular Diagnostics Market: Country Forecasts, Supplier Shares, Emerging Technologies, Competitive Landscape

https://marketpublishers.com/r/28C05C44507EN.html

Date: March 2017

Pages: 620

Price: US\$ 4,860.00 (Single User License)

ID: 28C05C44507EN

# **Abstracts**

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

This new study from VPGMarketResearchcontains 620 pages, 26 tables, and is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the infectious disease molecular diagnosticsmarket 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 segments 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.

# **Japan Market Overview**

Laboratories performing DNA sequencing and molecular diagnostic testing for infectious diseases by 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 by country and laboratory segment.

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



# **Product/Technology Review**

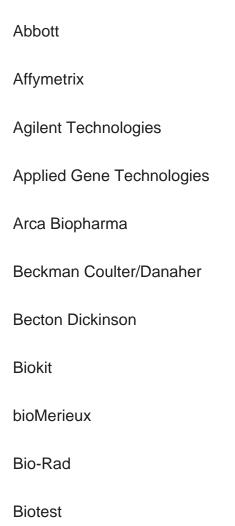
Comparison of leading infectious disease molecular diagnosticanalyzers.

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 diagnostictechnologies 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.





| CellMark Forensics/LabCorp   |
|------------------------------|
| Cepheid                      |
| 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            |





Contains 620 pages and 26 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. GEN-PROBE TIGRIS/DTS
- 14. HTG MOLECULAR EDGE
- 15. LIFE TECHNOLOGIES QUANTSTUDI-DX
- 16. QIAGEN QIASYMPHONY RGQ
- 17. ROCHE COBAS AMPLICOR
- 18. ROCHE COBAS TAQMAN
- 19. ROCHE COBAS TAQMAN
- 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. JAPAN 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

| Bio-Rad                   |         |
|---------------------------|---------|
| Biotest                   |         |
| Cepheid                   |         |
| CellMark Forenciscs/Lab   | Corp    |
| Decode Genetics           |         |
| Diadexus                  |         |
| Eiken                     |         |
| Elitech Group             |         |
| Enzo                      |         |
| Exact Sciences            |         |
| Fujirebio                 |         |
| Grifols                   |         |
| Hologic/Gen-Probe         |         |
| Illumina                  |         |
| Kreatech                  |         |
| Li-Cor Biosciences        |         |
| Monogram Biosciences/L    | _abCorp |
| Myriad Genetics           |         |
| Ortho-Clinical Diagnostic | s       |
| Perkin Elmer/Caliper      |         |
| Proteome Sciences         |         |
| Qiagen                    |         |
| Roche                     |         |
| Scienion                  |         |
| Sequenom                  |         |
| Shimadzu                  |         |
| Siemens                   |         |
| Sierra Molecular          |         |
| Takara Bio                |         |
| Tecan Group               |         |
| Thermo Fisher             |         |



# **List Of Tables**

### LIST OF TABLES

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

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

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

Major Companies Developing or Marketing EBV Molecular Diagnostic and Ot 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

Japan Molecular Diagnostics Test Volume And Sales By Major Application 2014-2019
Japan Laboratories Performing DNA Sequencing By Market Segment 2014
Japan Molecular Diagnostics Market Potential Laboratory Universe by Market Segment 2014

Japan Molecular Diagnostics Test Volume by Major Application 2014-2019
Japan Major Infectious Disease Test Volume by Assay 2014-2019
Japan Major Infectious Disease Test Volume by Method 2014
Japan Molecular Diagnostics Market by Major Application 2014-2019
Japan Molecular Diagnostics Market Estimated Sales And Market Shares of Major Suppliers 2014

Japan Major Infectious Disease Diagnostics Market by Assay 2014-2019
Japan AIDS Testing Market Estimated Sales by Major Supplier 2014
Japan Chlamydia Testing Market Estimated Sales by Major Supplier 2014
Japan CMV Testing Market Estimated Sales by Major Supplier 2014
Japan Gonorrhea Testing Market Estimated Sales by Major Supplier 2014
Japan Hepatitis Testing Market Estimated Sales by Major Supplier 2014
Japan Hepatitis C Testing Market Estimated Sales by Major Supplier 2014
Japan Herpes Testing Market Estimated Sales by Major Supplier 2014
Japan Meningitis Testing Market Estimated Sales by Major Supplier 2014
Japan Mycoplasma Testing Market Estimated Sales by Major Supplier 2014
Japan Pneumonia Testing Market Estimated Sales by Major Supplier 2014
Japan Shigella Testing Market Estimated Sales by Major Supplier 2014



### I would like to order

Product name: 2017 Japan Infectious Disease Molecular Diagnostics Market: Country Forecasts,

Supplier Shares, Emerging Technologies, Competitive Landscape

Product link: <a href="https://marketpublishers.com/r/28C05C44507EN.html">https://marketpublishers.com/r/28C05C44507EN.html</a>

Price: US\$ 4,860.00 (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 <a href="https://marketpublishers.com/r/28C05C44507EN.html">https://marketpublishers.com/r/28C05C44507EN.html</a>

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 <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

