

Japan Infectious Disease Molecular Diagnostics Market 2021: Supplier Shares by Test, Volume and Sales Segment Forecasts, Competitive Strategies, Innovative Technologies, Instrumentation Review

<https://marketpublishers.com/r/J2D2B0AA877EN.html>

Date: November 2017

Pages: 981

Price: US\$ 5,400.00 (Single User License)

ID: J2D2B0AA877EN

Abstracts

Complete report \$5,4350. DataPack (test volumes, sales forecasts, supplier shares) \$3,500. 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 981 pages, 53 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.

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 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.

Abbott

Affymetrix

Agilent Technologies

Applied Gene Technologies

Arca Biopharma

Beckman Coulter/Danaher

Becton Dickinson

Biokit

bioMérieux

Bio-Rad

Biotest

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

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.

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 981 pages and 53 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 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 Forensics/LabCorp
Decode Genetics
Diadexus
Eiken
Elitech Group
Enzo
Exact Sciences
Fujirebio
Grifols
Hologic/Gen-Probe
Illumina
Kreatech/Leica
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

XIII. APPENDIX: MAJOR UNIVERSITIES AND RESEARCH CENTERS DEVELOPING MOLECULAR DIAGNOSTIC TECHNOLOGIES

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

Japan Molecular Diagnostics Test Volume And Sales By Major Application

Japan Laboratories Performing DNA Sequencing By Market Segment

Japan Molecular Diagnostics Market Potential Laboratory Universe by Market Segment

Japan Molecular Diagnostics Test Volume by Major Application

Japan Major Infectious Disease Test Volume by Assay

Japan Major Infectious Disease Test Volume by Method

Japan Molecular Diagnostics Market by Major Application

Japan Molecular Diagnostics Market Estimated Sales And Market Shares of Major Suppliers

Japan Major Infectious Disease Diagnostics Market by Assay

Japan AIDS Testing Market Estimated Sales by Major Supplier

Japan Chlamydia Testing Market Estimated Sales by Major Supplier

Japan CMV Testing Market Estimated Sales by Major Supplier

Japan Gonorrhea Testing Market Estimated Sales by Major Supplier

Japan Hepatitis Testing Market Estimated Sales by Major Supplier

Japan Hepatitis C Testing Market Estimated Sales by Major Supplier

Japan Herpes Testing Market Estimated Sales by Major Supplier

Japan Meningitis Testing Market Estimated Sales by Major Supplier

Japan Mycoplasma Testing Market Estimated Sales by Major Supplier

Japan Pneumonia Testing Market Estimated Sales by Major Supplier

Japan Shigella Testing Market Estimated Sales by Major Supplier

I would like to order

Product name: Japan Infectious Disease Molecular Diagnostics Market 2021: Supplier Shares by Test, Volume and Sales Segment Forecasts, Competitive Strategies, Innovative Technologies, Instrumentation Review

Product link: <https://marketpublishers.com/r/J2D2B0AA877EN.html>

Price: US\$ 5,400.00 (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/J2D2B0AA877EN.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**

Customer 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