

2021 Japan Molecular Diagnostics Market Assessment-Competitive Shares and Growth Strategies, Volume and Sales Segment Forecasts for 100 Infectious, Genetic, Cancer, Forensic and Paternity Tests-Latest Technologies and Instrumentation Pipeline, Emerging Opportunities for Suppliers

https://marketpublishers.com/r/29596B3DB6D0EN.html

Date: February 2021 Pages: 1126 Price: US\$ 3,450.00 (Single User License) ID: 29596B3DB6D0EN

# Abstracts

This new 1,126-page report from LeadingMarketResearch.com contains 56 table.

The report is available by section, and can be customized to specific information needs and budget. The report presents a comprehensive analysis of the Japanese molecular diagnostics market, including:

Major issues pertaining to the Japanese molecular diagnostics laboratory practice, as well as key economic, regulatory, demographic, social and technological trends with significant market impact during the next five years.

An extensive review of DNA probe and biochip technologies, test formats, detection methodologies, trends in testing automation and amplification methods.

Five-year test volume and reagent sales forecasts for the following categories:

**Infectious Diseases** 

Forensic Testing

Cancer



Paternity Testing/HLA Typing

**Genetic Diseases** 

Others

Review of testing methodologies an instrumentation technologies.

Feature comparison of automated and semiautomated analyzers.

Sales and market shares of leading suppliers.

Over 60 specific opportunities for molecular diagnostic instruments, test systems, IT and auxiliary products.

Profiles of major suppliers, and emerging market entrants, including their sales, product portfolios, marketing tactics, technological know-how, new products in R&D, collaborative arrangements and business strategies.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Business planning issues and concerns.

Contains 1,126 pages and 56 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. 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
  - 2. Non-Isotopic Methods
- D. Instrumentation

Review of latest analyzers from Abbott, Beckman Coulter/Danaher, ??? Becton Dickinson, bioMerieux, Bio-Rad, Cepheid, Hologic, Qiagen, Roche, ?†?Siemens Healthineers, and others.

- E. Biochips: Genosensors, Microarrays, and Labs-on-the-Chip
- F. Pharmacogenomics
- G. Major Applications
  - 1. 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
- 2. Cancer Testing
  - a. Overview
  - b. Major Cancer Types
  - Prostate
  - Lung
  - Colon and Rectum
  - Breast
  - Skin
  - Uterine
  - Leukemia
  - Oral
  - c. Oncogenes

The report provides review of both current and emerging oncogenes, including:

- Abl/abl-bcr
- AIB1
- BCL-2
- BRCA1
- CD44
- C-fos
- C-myb
- C-myc
- CYP17
- Erb-B



HPC1 N-myc P40 P51 P53 PIK3CA PTI-1 Ras Reg Sis Src 3. Genetic Diseases a. Overview b. Nucleic Acid Amplification c. Chromosome Imaging d. Genomics Technologies e. Proteomics Technologies f. Current Pharmacogenomic Tests g. Future Pharmacogenomic Testing h. Major Diseases Achondroplasia Autosomal Dominant Polycystic Kidney Disease Cancer Cosmetogenomics **Cystic Fibrosis** Down's Syndrome Duchenne and Becker Muscular Dystrophy Factor V (Leiden) Factor IX Deficiency Fragile X Syndrome

Heart Disease

Hemochomatosis

Hemophilia

Huntington's Disease

Maternal-Fetal Incompatibility

Multiple Endocrine Neoplasia

Phenylketonuria (PKU)

Polycystic Kidney Disease (PKD)

Prenatal Screening



Retinitis Pigmentosa Retinoblastoma Sickle Cell Anemia Spinal Muscular Atrophy Vitamin B12 Metabolism

- i. Social Issues and Concerns
- 4. Forensic Testing
  - a. Overview
  - b. Multilocus and Single Locus Probes
  - c. The FBI
  - d. DNA Profile Data Banks
  - e. Judicial Implementation
  - f. Major Crime Categories
  - g. Factors Contributing to the DNA Probe Market Expansion
  - h. Wildlife Forensics
- 5. Paternity Testing/HLA Typing
- 6. Other Applications
- a. Disease Susceptibility Testing
- b. Cardiovascular Diseases
- c. Diabetes
- d. Alzheimer's Disease
- e. Periodontal Disease
- f. Plasma Purification
- g. Organ Transplantation
- h. W ater Contamination
- i. Other
- H. Competing/Complementing Technologies
  - 1. Monoclonal Antibodies/Immunoassays
  - 2. RNA Probes
  - 3. Two-Dimensional Electrophoresis
  - 4. Flow Cytometry

# **VII. 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**

The report provides strategic assessments of over 40 leading molecular diagnostics market players and start-up companies with innovative technologies and products, including:

Abbott, Agilent Technologies, Beckman Coulter/Danaher, Becton Dickinson, bioMerieux, Bio-Rad, Cepheid, DiaSorin, Eiken Chemical, Enzo, Fujirebio, Grifols, Hologic, Illumina, LabCorp/Sequenom, Leica Biosystems, Myriad Genetics, OrthoClinical Diagnostics, Qiagen, Quest Diagnostics, Quidel, Roche, Shimadzu, Siemens Healthineers, Sierra Molecular, Takara Bio, Tecan Group, Thermo Fisher, Wako and others.



# 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 Oncogenes Potential Application in Cancer Diagnosis Major Companies Developing or Marketing Cancer Molecular Diagnostic Tests Major Companies Developing or Marketing Molecular Diagnostic Tests For Genetic Diseases 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: 2021 Japan Molecular Diagnostics Market Assessment-Competitive Shares and Growth Strategies, Volume and Sales Segment Forecasts for 100 Infectious, Genetic, Cancer, Forensic and Paternity Tests-Latest Technologies and Instrumentation Pipeline, Emerging Opportunities for Suppliers
  - Product link: https://marketpublishers.com/r/29596B3DB6D0EN.html
    - Price: US\$ 3,450.00 (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/29596B3DB6D0EN.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