

2021 Asia-Pacific Nucleic Acid Testing (NAT) Market Assessment of 17 Countries-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/23A137C776F6EN.html>

Date: February 2021

Pages: 1240

Price: US\$ 14,500.00 (Single User License)

ID: 23A137C776F6EN

Abstracts

This new 17-country report from LeadingMarketResearch.com is available by country, market segment, section, or individual test.

The report is designed to help current suppliers and potential market entrants identify and evaluate major business opportunities emerging in the molecular diagnostics market during the next five years. The report is available by section, and can be customized to specific information needs and budget.

Highlights

Supplier sales and market shares in major countries

Five-year test volume and sales forecasts

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

Emerging technologies

Review of molecular diagnostic analyzers

Specific product and business opportunities for instrument and consumable suppliers

Rationale

The molecular diagnostics market is unquestionably 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 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.

Country Analyses

Australia, Bangladesh, China, Hong Kong, India, Indonesia, Japan, Malaysia, Myanmar, New Zealand, Pakistan, Philippines, Singapore, South Korea, Taiwan, Thailand, Vietnam

Market Segmentation Analysis

Sales and market shares of key suppliers of molecular diagnostic reagent kits and components in major markets.

Five-year test volume and sales forecasts for major applications, including:

Infectious Diseases

Forensic Testing

Cancer

Paternity Testing/HLA Typing

Genetic Diseases

Others

Five-year test volume and sales projections for over 30 NAT assays.

A comprehensive analysis of the sequencing market, by country and laboratory segment, including:

Industrial

Academic

Government

Commercial

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

Product/Technology Review

Comparison of leading molecular diagnostic analyzers marketed by Abbott, Beckman Coulter, BD, Bio-Rad, Gen-Probe, Roche, Tecan and other suppliers.

Extensive review of molecular diagnostic technologies, test formats, detection methodologies, trends in testing automation and over 30 target/signal amplification methods, including:

PCR

bDNA

SDA

NASBA

TMA

SSSR, and others

LCR

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.

Companies developing and marketing molecular diagnostics 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 1,240 pages and 146 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
 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, Labs-on-the-Chip
- Liquid Transportation and Mixing
 - Separation
 - Reaction
 - Detection
- F. Pharmacogenomics
- G. Major Applications
1. Microbiology/Infectious Diseases
 - a. Overview
 - b. Major Infectious Diseases
 - AIDS/HIV
 - Adenovirus
 - Aeromonads
 - Anthrax/Bacillus Anthracis
 - Arboviruses
 - Babesiosis
 - Bacillary Epithelioid Angiomatosis (BEA), 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
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

Hemochromatosis

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. DNA Profile Data Banks
 - d. Judicial Implementation
 - e. Major Crime Categories
 - f. Factors Contributing to the DNA Probe Market Expansion
 - Technology Availability
 - Use of Hair as Evidence
 - g. 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. Water Contamination
 - i. Other
- H. Competing/complementing
 - 1. Monoclonal Antibodies/Immunoassays
 - 2. RNA Probes
 - 3. Two-Dimensional Electrophoresis
 - 4. Flow Cytometry
- I. Country Analyses: Volume and Sales Forecasts--Infectious Diseases, Genetic Diseases, Cancer, Forensic and Paternity Testing
 - Australia
 - Bangladesh

China
Hong Kong
India
Indonesia
Japan
Malaysia
Myanmar
New Zealand
Pakistan
Philippines
Singapore
South Korea
Taiwan
Thailand
Vietnam

J. 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, Ortho-Clinical Diagnostics, Qiagen, Quest Diagnostics, Quidel, Roche, Shimadzu, Siemens Healthineers, Sierra Molecular, Takara Bio, Tecan Group, Thermo Fisher, Wako and others.

VII. APPENDIX: MAJOR UNIVERSITIES AND RESEARCH CENTERS DEVELOPING INNOVATIVE

Molecular Diagnostic Technologies and Products

List Of Tables

LIST OF TABLES

Australia
Molecular Diagnostics Test Volume and Sales Forecasts by Application
Australia
Molecular Diagnostics Test Volume Forecasts by Application
Australia
Major Infectious Disease Test Volume Forecasts by Assay
Australia
Molecular Diagnostics Market Forecasts by Application
Australia
Major Infectious Disease Diagnostics Market Forecasts by Assay
Australia
Major Supplier Sales and Market Shares
Bangladesh
Molecular Diagnostics Test Volume and Sales Forecasts by Application
Bangladesh
Molecular Diagnostics Test Volume Forecasts by Application
Bangladesh
Major Infectious Disease Test Volume Forecasts by Assay
Bangladesh
Molecular Diagnostics Market Forecasts by Application
Bangladesh
Major Infectious Disease Diagnostics Market Forecasts by Assay
Bangladesh
Major Supplier Sales and Market Shares
China
Molecular Diagnostics Test Volume and Sales Forecasts by Application
China
Molecular Diagnostics Test Volume Forecasts by Application
China
Major Infectious Disease Test Volume Forecasts by Assay
China
Molecular Diagnostics Market Forecasts by Application
China
Major Infectious Disease Diagnostics Market Forecasts by Assay
China

Major Supplier Sales and Market Shares

Hong Kong

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Hong Kong

Molecular Diagnostics Test Volume Forecasts by Application

Hong Kong

Major Infectious Disease Test Volume Forecasts by Assay

Hong Kong

Molecular Diagnostics Market Forecasts by Application

Hong Kong

Major Infectious Disease Diagnostics Market Forecasts by Assay

Hong Kong

Major Supplier Sales and Market Shares

India

Molecular Diagnostics Test Volume and Sales Forecasts by Application

India

Molecular Diagnostics Test Volume Forecasts by Application

India

Major Infectious Disease Test Volume Forecasts by Assay

India

Molecular Diagnostics Market Forecasts by Application

India

Major Infectious Disease Diagnostics Market Forecasts by Assay

India

Major Supplier Sales and Market Shares

Indonesia

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Indonesia

Molecular Diagnostics Test Volume Forecasts by Application

Indonesia

Major Infectious Disease Test Volume Forecasts by Assay

Indonesia

Molecular Diagnostics Market Forecasts by Application

Indonesia

Major Infectious Disease Diagnostics Market Forecasts by Assay

Indonesia

Major Supplier Sales and Market Shares

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

Malaysia

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Malaysia

Molecular Diagnostics Test Volume Forecasts by Application

Malaysia

Major Infectious Disease Test Volume Forecasts by Assay

Malaysia

Molecular Diagnostics Market Forecasts by Application

Malaysia

Major Infectious Disease Diagnostics Market Forecasts by Assay

Malaysia

Major Supplier Sales and Market Shares

Myanmar

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Myanmar

Molecular Diagnostics Test Volume Forecasts by Application

Myanmar

Major Infectious Disease Test Volume Forecasts by Assay

Myanmar

Molecular Diagnostics Market Forecasts by Application

Myanmar

Major Infectious Disease Diagnostics Market Forecasts by Assay

Myanmar

Major Supplier Sales and Market Shares

New Zealand

Molecular Diagnostics Test Volume and Sales Forecasts by Application

New Zealand

Molecular Diagnostics Test Volume Forecasts by Application

New Zealand

Major Infectious Disease Test Volume Forecasts by Assay

New Zealand

Molecular Diagnostics Market Forecasts by Application

New Zealand

Major Infectious Disease Diagnostics Market Forecasts by Assay

New Zealand

Major Supplier Sales and Market Shares

Pakistan

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Pakistan

Molecular Diagnostics Test Volume Forecasts by Application

Pakistan

Major Infectious Disease Test Volume Forecasts by Assay

Pakistan

Molecular Diagnostics Market Forecasts by Application

Pakistan

Major Infectious Disease Diagnostics Market Forecasts by Assay

Pakistan

Major Supplier Sales and Market Shares

Philippines

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Philippines

Molecular Diagnostics Test Volume Forecasts by Application

Philippines

Major Infectious Disease Test Volume Forecasts by Assay

Philippines

Molecular Diagnostics Market Forecasts by Application

Philippines

Major Infectious Disease Diagnostics Market Forecasts by Assay

Philippines

Major Supplier Sales and Market Shares

Singapore

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Singapore

Molecular Diagnostics Test Volume Forecasts by Application

Singapore

Major Infectious Disease Test Volume Forecasts by Assay

Singapore

Molecular Diagnostics Market Forecasts by Application

Singapore

Major Infectious Disease Diagnostics Market Forecasts by Assay

Singapore

Major Supplier Sales and Market Shares

South Korea

Molecular Diagnostics Test Volume and Sales Forecasts by Application

South Korea

Molecular Diagnostics Test Volume Forecasts by Application

South Korea

Major Infectious Disease Test Volume Forecasts by Assay

South Korea

Molecular Diagnostics Market Forecasts by Application
South Korea
Major Infectious Disease Diagnostics Market Forecasts by Assay
South Korea
Major Supplier Sales and Market Shares
Taiwan
Molecular Diagnostics Test Volume and Sales Forecasts by Application
Taiwan
Molecular Diagnostics Test Volume Forecasts by Application
Taiwan
Major Infectious Disease Test Volume Forecasts by Assay
Taiwan
Molecular Diagnostics Market Forecasts by Application
Taiwan
Major Infectious Disease Diagnostics Market Forecasts by Assay
Taiwan
Major Supplier Sales and Market Shares
Thailand
Molecular Diagnostics Test Volume and Sales Forecasts by Application
Thailand
Molecular Diagnostics Test Volume Forecasts by Application
Thailand
Major Infectious Disease Test Volume Forecasts by Assay
Thailand
Molecular Diagnostics Market Forecasts by Application
Thailand
Major Infectious Disease Diagnostics Market Forecasts by Assay
Thailand
Major Supplier Sales and Market Shares
Vietnam
Molecular Diagnostics Test Volume and Sales Forecasts by Application
Vietnam
Molecular Diagnostics Test Volume Forecasts by Application
Vietnam
Major Infectious Disease Test Volume Forecasts by Assay
Vietnam
Molecular Diagnostics Market Forecasts by Application
Vietnam
Major Infectious Disease Diagnostics Market Forecasts by Assay

Vietnam

Major Supplier Sales and Market Shares

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 Gonorrhoea 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

I would like to order

Product name: 2021 Asia-Pacific Nucleic Acid Testing (NAT) Market Assessment of 17 Countries-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/23A137C776F6EN.html>

Price: US\$ 14,500.00 (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 <https://marketpublishers.com/r/23A137C776F6EN.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