# **Table of Contents**



Thousands of corporations worldwide are relying on our market intelligence, expert analysis, and strategic insight, critical to the development and implementation of effective business, R&D and marketing programs.

www.LeadingMarketResearch.com

www.VPGMarketResearch.com

reports@vpgcorp.com

+1 212 564 2838

### **Table of 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 other suppliers.

- 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
- 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. 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

# VII. Country Analyses: Volume and Sales Forecasts--Infectious Diseases, Genetic Diseases, Cancer, Forensic and Paternity Testing

- Argentina
- Australia
- Austria
- Bahrain
- Bangladesh
- Belgium
- Brazil
- Bulgaria
- Canada
- Chile
- China
- Colombia
- Croatia
- Cyprus
- Czech Republic
- Denmark
- Estonia
- Finland
- France
- Germany
- Greece
- Hong Kong
- Hungary
- Iceland
- India
- Indonesia
- Iran

- Iraq
- Ireland
- Israel
- Italy
- Japan
- Jordan
- Kuwait
- Latvia
- Lebanon
- Lithuania
- Malaysia
- Malta
- Mexico
- Myanmar
- Netherlands
- New Zealand
- Norway
- Oman
- Pakistan
- Peru
- Philippines
- Poland
- Portugal
- Qatar
- Romania
- Saudi Arabia
- Serbia
- Singapore
- Slovakia
- Slovenia
- South Korea
- Spain
- Sweden
- Switzerland
- Taiwan
- Thailand
- UK
- United Arab Emirates
- USA
- Venezuela
- Vietnam

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

**IX. Appendix**: Major Universities and Research Centers Developing Innovative Molecular Diagnostic Technologies and Products

#### **List of Tables**

Argentina

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Argentina

Molecular Diagnostics Test Volume Forecasts by Application

Argentina

Major Infectious Disease Test Volume Forecasts by Assay

Argentina

Molecular Diagnostics Market Forecasts by Application

Argentina

Major Infectious Disease Diagnostics Market Forecasts by Assay

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

Austria

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Δustria

Molecular Diagnostics Test Volume Forecasts by Application

Austria

Major Infectious Disease Test Volume Forecasts by Assay

Austria

Molecular Diagnostics Market Forecasts by Application

Austria

Major Infectious Disease Diagnostics Market Forecasts by Assay

Bahrain Molecular Diagnostics Test Volume and Sales Forecasts by Application Bahrain Molecular Diagnostics Test Volume Forecasts by Application Bahrain Major Infectious Disease Test Volume Forecasts by Assay Bahrain Molecular Diagnostics Market Forecasts by Application **Bahrain** Major Infectious Disease Diagnostics Market Forecasts by Assay 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 Belgium Molecular Diagnostics Test Volume and Sales Forecasts by Application Belgium Molecular Diagnostics Test Volume Forecasts by Application Belgium Major Infectious Disease Test Volume Forecasts by Assay Belgium

Belgium

Major Infectious Disease Diagnostics Market Forecasts by Assay

Brazil Molecular Diagnostics Test Volume and Sales Forecasts by Application
Brazil Molecular Diagnostics Test Volume Forecasts by Application
Brazil Major Infectious Disease Test Volume Forecasts by Assay
Brazil Molecular Diagnostics Market Forecasts by Application
Brazil Major Infectious Disease Diagnostics Market Forecasts by Assay
Bulgaria Molecular Diagnostics Test Volume and Sales Forecasts by Application
Bulgaria Molecular Diagnostics Test Volume Forecasts by Application
Bulgaria Major Infectious Disease Test Volume Forecasts by Assay
Bulgaria Molecular Diagnostics Market Forecasts by Application
Bulgaria Major Infectious Disease Diagnostics Market Forecasts by Assay
Canada Molecular Diagnostics Test Volume and Sales Forecasts by Application
Canada Molecular Diagnostics Test Volume Forecasts by Application
Canada Major Infectious Disease Test Volume Forecasts by Assay
Canada Molecular Diagnostics Market Forecasts by Application
Canada Major Infectious Disease Diagnostics Market Forecasts by Assay

Molecular Diagnostics Test Volume and Sales Forecasts by Application
Chile Molecular Diagnostics Test Volume Forecasts by Application
Chile Major Infectious Disease Test Volume Forecasts by Assay
Chile Molecular Diagnostics Market Forecasts by Application
Chile Major Infectious Disease Diagnostics Market Forecasts by Assay
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
Colombia Molecular Diagnostics Test Volume and Sales Forecasts by Application
Colombia Molecular Diagnostics Test Volume Forecasts by Application
Colombia Major Infectious Disease Test Volume Forecasts by Assay
Colombia Molecular Diagnostics Market Forecasts by Application
Colombia Major Infectious Disease Diagnostics Market Forecasts by Assay

Croatia

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Croatia

Molecular Diagnostics Test Volume Forecasts by Application

Croatia

Major Infectious Disease Test Volume Forecasts by Assay

Croatia

Molecular Diagnostics Market Forecasts by Application

Croatia

Major Infectious Disease Diagnostics Market Forecasts by Assay

Cyprus

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Cyprus

Molecular Diagnostics Test Volume Forecasts by Application

Cyprus

Major Infectious Disease Test Volume Forecasts by Assay

Cyprus

Molecular Diagnostics Market Forecasts by Application

Cyprus

Major Infectious Disease Diagnostics Market Forecasts by Assay

Czech Republic

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Czech Republic

Molecular Diagnostics Test Volume Forecasts by Application

Czech Republic

Major Infectious Disease Test Volume Forecasts by Assay

Czech Republic

Molecular Diagnostics Market Forecasts by Application

Czech Republic

Major Infectious Disease Diagnostics Market Forecasts by Assay

Denmark Molecular Diagnostics Test Volume and Sales Forecasts by Application Denmark Molecular Diagnostics Test Volume Forecasts by Application Denmark Major Infectious Disease Test Volume Forecasts by Assay Denmark Molecular Diagnostics Market Forecasts by Application Denmark Major Infectious Disease Diagnostics Market Forecasts by Assay Estonia Molecular Diagnostics Test Volume and Sales Forecasts by Application Estonia Molecular Diagnostics Test Volume Forecasts by Application Estonia Major Infectious Disease Test Volume Forecasts by Assay Molecular Diagnostics Market Forecasts by Application Major Infectious Disease Diagnostics Market Forecasts by Assay Molecular Diagnostics Test Volume and Sales Forecasts by Application Molecular Diagnostics Test Volume Forecasts by Application Finland Major Infectious Disease Test Volume Forecasts by Assay Finland Molecular Diagnostics Market Forecasts by Application **Finland** 

Major Infectious Disease Diagnostics Market Forecasts by Assay

France Molecular Diagnostics Test Volume and Sales by Major Application France Laboratories Performing DNA Sequencing by Market Segment France Molecular Diagnostics Market Potential Laboratory Universe by Market Segment France Molecular Diagnostics Test Volume by Major Application Major Infectious Disease Test Volume by Assay France Major Infectious Disease Test Volume by Method France Molecular Diagnostics Market by Major Application France Molecular Diagnostics Market Estimated Sales and Market Shares of Major Suppliers France Major Infectious Disease Diagnostics Market by Assay France AIDS Testing Market Estimated Sales by Major Supplier France Adenovirus Testing Market Estimated Sales by Major Supplier Chlamydia Testing Market Estimated Sales by Major Supplier CMV Testing Market Estimated Sales by Major Supplier France

Gonorrhea Testing Market Estimated Sales by Major Supplier

France

Hepatitis Testing Market Estimated Sales by Major Supplier

France

Hepatitis C Testing Market Estimated Sales by Major Supplier

France

HIV/Hepatitis Blood Screening

NAT Market Reagent Sales by Major Supplier

France

Herpes Testing Market Estimated Sales by Major Supplier

France

Influenza Testing Market Estimated Sales by Major Supplier

France

Meningitis Testing Market Estimated Sales by Major Supplier

France

Mycoplasma Testing Market Estimated Sales by Major Supplier

France

RSV Testing Market Estimated Sales by Major Supplier

France

Shigella Testing Market Estimated Sales by Major Supplier

Germany

**Molecular Diagnostics** 

Test Volume and Sales by Major Application

Germany

Laboratories Performing DNA Sequencing by Market Segment

Germany

Molecular Diagnostics Market

Potential Laboratory Universe by Market Segment

Germany

Molecular Diagnostics Test Volume by Major Application

Germany

Major Infectious Disease Test Volume by Assay

Germany

Major Infectious Disease Test Volume by Method

Germany

Molecular Diagnostics Market by Major Application

Germany

Molecular Diagnostics Market

Estimated Sales and Market Shares of Major Suppliers

Germany

Major Infectious Disease Diagnostics Market by Assay

Germany

AIDS Testing Market Estimated Sales by Major Supplier

Germany

CMV Testing Market Estimated Sales by Major Supplier

Germany

EBV Testing Market Estimated Sales by Major Supplier

Germany

Gonorrhea Testing Market Estimated Sales by Major Supplier

Germany

Hepatitis Testing Market Estimated Sales by Major Supplier

Germany

Hepatitis C Testing Market Estimated Sales by Major Supplier

Germany

HIV/Hepatitis Blood Screening

NAT Market Reagent Sales by Major Supplier

Germany

Herpes Testing Market Estimated Sales by Major Supplier

Germany

Influenza Testing Market Estimated Sales by Major Supplier

Germany

Meningitis Testing Market Estimated Sales by Major Supplier

Germany

Mycoplasma Testing Market Estimated Sales by Major Supplier

Germany

Pneumonia Testing Market Estimated Sales by Major Supplier

Germany

RSV Testing Market Estimated Sales by Major Supplier

Germany

Rotavirus Testing Market Estimated Sales by Major Supplier

Greece

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Greece

Molecular Diagnostics Test Volume Forecasts by Application

Greece

Major Infectious Disease Test Volume Forecasts by Assay

Greece

Molecular Diagnostics Market Forecasts by Application

Greece

Major Infectious Disease Diagnostics Market Forecasts by Assay

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

Hungary

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Hungary Molecular Diagnostics Test Volume and Sales Forecasts by Application
Hungary Molecular Diagnostics Test Volume Forecasts by Application
Hungary Major Infectious Disease Test Volume Forecasts by Assay
Hungary Molecular Diagnostics Market Forecasts by Application
Hungary Major Infectious Disease Diagnostics Market Forecasts by Assay
Iceland Molecular Diagnostics Test Volume and Sales Forecasts by Application
Iceland Molecular Diagnostics Test Volume Forecasts by Application
Iceland Major Infectious Disease Test Volume Forecasts by Assay
Iceland Molecular Diagnostics Market Forecasts by Application
Iceland Major Infectious Disease Diagnostics Market Forecasts by Assay
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

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
Iran Molecular Diagnostics Test Volume and Sales Forecasts by Application
Iran Molecular Diagnostics Test Volume Forecasts by Application
Iran Major Infectious Disease Test Volume Forecasts by Assay
Iran Molecular Diagnostics Market Forecasts by Application
Iran Major Infectious Disease Diagnostics Market Forecasts by Assay
Iraq Molecular Diagnostics Test Volume and Sales Forecasts by Application
Iraq Molecular Diagnostics Test Volume Forecasts by Application
Iraq Major Infectious Disease Test Volume Forecasts by Assay
Iraq Molecular Diagnostics Market Forecasts by Application
Iraq Major Infectious Disease Diagnostics Market Forecasts by Assay

Ireland Molecular Diagnostics Test Volume and Sales Forecasts by Application
Ireland Molecular Diagnostics Test Volume Forecasts by Application
Ireland Major Infectious Disease Test Volume Forecasts by Assay
Ireland Molecular Diagnostics Market Forecasts by Application
Ireland Major Infectious Disease Diagnostics Market Forecasts by Assay
Israel Molecular Diagnostics Test Volume and Sales Forecasts by Application
Israel Molecular Diagnostics Test Volume Forecasts by Application
Israel Major Infectious Disease Test Volume Forecasts by Assay
Israel Molecular Diagnostics Market Forecasts by Application
Israel Major Infectious Disease Diagnostics Market Forecasts by Assay
Italy Molecular Diagnostics Test Volume and Sales by Major Application
Italy Laboratories Performing DNA Sequencing by Market Segment
Italy Molecular Diagnostics Market Potential Laboratory Universe by Market Segment
Italy Molecular Diagnostics Test Volume by Major Application
Italy Major Infectious Disease Test Volume by Assay



Italy
RSV Testing Market Estimated Sales by Major Supplier
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

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
Jordan Molecular Diagnostics Test Volume and Sales Forecasts by Application
Jordan Molecular Diagnostics Test Volume Forecasts by Application
Jordan Major Infectious Disease Test Volume Forecasts by Assay
Jordan Molecular Diagnostics Market Forecasts by Application
Jordan Major Infectious Disease Diagnostics Market Forecasts by Assay
Kuwait  Molecular Diagnostics Test Volume and Sales Forecasts by Application
Kuwait  Molecular Diagnostics Test Volume Forecasts by Application
Kuwait  Major Infectious Disease Test Volume Forecasts by Assay

Molecular Diagnostics Market Forecasts by Application
Kuwait Major Infectious Disease Diagnostics Market Forecasts by Assay
Latvia Molecular Diagnostics Test Volume and Sales Forecasts by Application
Latvia Molecular Diagnostics Test Volume Forecasts by Application
Latvia Major Infectious Disease Test Volume Forecasts by Assay
Latvia Molecular Diagnostics Market Forecasts by Application
Latvia Major Infectious Disease Diagnostics Market Forecasts by Assay
Lebanon Molecular Diagnostics Test Volume and Sales Forecasts by Application
Lebanon Molecular Diagnostics Test Volume Forecasts by Application
Lebanon Major Infectious Disease Test Volume Forecasts by Assay
Lebanon Molecular Diagnostics Market Forecasts by Application
Lebanon Major Infectious Disease Diagnostics Market Forecasts by Assay
Lithuania Molecular Diagnostics Test Volume and Sales Forecasts by Application
Lithuania Molecular Diagnostics Test Volume Forecasts by Application
Lithuania Major Infectious Disease Test Volume Forecasts by Assay

Kuwait

Molecular Diagnostics Market Forecasts by Application Lithuania Major Infectious Disease Diagnostics Market Forecasts by Assay 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 Molecular Diagnostics Test Volume and Sales Forecasts by Application Molecular Diagnostics Test Volume Forecasts by Application Malta Major Infectious Disease Test Volume Forecasts by Assay Malta Molecular Diagnostics Market Forecasts by Application Major Infectious Disease Diagnostics Market Forecasts by Assay Mexico Molecular Diagnostics Test Volume and Sales Forecasts by Application Mexico Molecular Diagnostics Test Volume Forecasts by Application Mexico

Major Infectious Disease Test Volume Forecasts by Assay

Lithuania

Mexico

Molecular Diagnostics Market Forecasts by Application

Mexico

Major Infectious Disease Diagnostics Market Forecasts by Assay

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

Netherlands

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Netherlands

Molecular Diagnostics Test Volume Forecasts by Application

Netherlands

Major Infectious Disease Test Volume Forecasts by Assay

Netherlands

Molecular Diagnostics Market Forecasts by Application

Netherlands

Major Infectious Disease Diagnostics Market Forecasts by Assay

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

Norway

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Norway

Molecular Diagnostics Test Volume Forecasts by Application

Norway

Major Infectious Disease Test Volume Forecasts by Assay

Norway

Molecular Diagnostics Market Forecasts by Application

Norway

Major Infectious Disease Diagnostics Market Forecasts by Assay

Oman

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Oman

Molecular Diagnostics Test Volume Forecasts by Application

Oman

Major Infectious Disease Test Volume Forecasts by Assay

Oman

Molecular Diagnostics Market Forecasts by Application

Oman

Major Infectious Disease Diagnostics Market Forecasts by Assay

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

Molecular Diagnostics Market Forecasts by Application **Pakistan** Major Infectious Disease Diagnostics Market Forecasts by Assay Peru Molecular Diagnostics Test Volume and Sales Forecasts by Application Peru Molecular Diagnostics Test Volume Forecasts by Application Peru Major Infectious Disease Test Volume Forecasts by Assay Peru Molecular Diagnostics Market Forecasts by Application Peru Major Infectious Disease Diagnostics Market Forecasts by Assay **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 Poland Molecular Diagnostics Test Volume and Sales Forecasts by Application Poland Molecular Diagnostics Test Volume Forecasts by Application Poland Major Infectious Disease Test Volume Forecasts by Assay

**Pakistan** 

**Poland** 

Molecular Diagnostics Market Forecasts by Application

Poland

Major Infectious Disease Diagnostics Market Forecasts by Assay

**Portugal** 

Molecular Diagnostics Test Volume and Sales Forecasts by Application

**Portugal** 

Molecular Diagnostics Test Volume Forecasts by Application

Portugal Major Infectious Disease Test Volume Forecasts by Assay

Portugal

Major Infectious Disease Diagnostics Market Forecasts by Assay

Qatar

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Qatar

Molecular Diagnostics Test Volume Forecasts by Application

Qatar

Major Infectious Disease Test Volume Forecasts by Assay

Qatar

Molecular Diagnostics Market Forecasts by Application

Qatar

Major Infectious Disease Diagnostics Market Forecasts by Assay

Romania

Molecular Diagnostics Test Volume and Sales Forecasts by Application

Romania

Molecular Diagnostics Test Volume Forecasts by Application

Romania

Major Infectious Disease Test Volume Forecasts by Assay

Romania

# <u>List of Tables</u> (continued)

Romania Major Infectious Disease Diagnostics Market Forecasts by Assay
Saudi Arabia Molecular Diagnostics Test Volume and Sales Forecasts by Application
Saudi Arabia Molecular Diagnostics Test Volume Forecasts by Application
Saudi Arabia Major Infectious Disease Test Volume Forecasts by Assay
Saudi Arabia Molecular Diagnostics Market Forecasts by Application
Saudi Arabia Major Infectious Disease Diagnostics Market Forecasts by Assay
Serbia Molecular Diagnostics Test Volume and Sales Forecasts by Application
Serbia Molecular Diagnostics Test Volume Forecasts by Application
Serbia Major Infectious Disease Test Volume Forecasts by Assay
Serbia Molecular Diagnostics Market Forecasts by Application
Serbia Major Infectious Disease Diagnostics Market Forecasts by Assay
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 Singapore

Singapore Major Infectious Disease Diagnostics Market Forecasts by Assay Slovakia Molecular Diagnostics Test Volume and Sales Forecasts by Application Slovakia Molecular Diagnostics Test Volume Forecasts by Application Slovakia Major Infectious Disease Test Volume Forecasts by Assay Slovakia Molecular Diagnostics Market Forecasts by Application Slovakia Major Infectious Disease Diagnostics Market Forecasts by Assay Slovenia Molecular Diagnostics Test Volume and Sales Forecasts by Application Slovenia Molecular Diagnostics Test Volume Forecasts by Application Slovenia Major Infectious Disease Test Volume Forecasts by Assay Slovenia Molecular Diagnostics Market Forecasts by Application Slovenia Major Infectious Disease Diagnostics Market Forecasts by Assay 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

South Korea Major Infectious Disease Diagnostics Market Forecasts by Assay Spain Molecular Diagnostics Test Volume and Sales by Major Application Spain Laboratories Performing DNA Sequencing by Market Segment Spain Molecular Diagnostics Market Potential Laboratory Universe by Market Segment Spain Molecular Diagnostics Test Volume by Major Application Spain Major Infectious Disease Test Volume by Assay Spain Major Infectious Disease Test Volume by Method Spain Molecular Diagnostics Market by Major Application Spain Molecular Diagnostics Market Estimated Sales and Market Shares of Major Suppliers Spain Major Infectious Disease Diagnostics Market by Assay Spain AIDS Testing Market Estimated Sales by Major Supplier Chlamydia Testing Market Estimated Sales by Major Supplier Spain CMV Testing Market Estimated Sales by Major Supplier

Gonorrhea Testing Market Estimated Sales by Major Supplier

Spain

Spain Hepatitis C Testing Market Estimated Sales by Major Supplier Spain HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier Spain Herpes Testing Market Estimated Sales by Major Supplier Influenza Testing Market Estimated Sales by Major Supplier Spain Meningitis Testing Market Estimated Sales by Major Supplier Spain Mycoplasma Testing Market Estimated Sales by Major Supplier Sweden Molecular Diagnostics Test Volume and Sales Forecasts by Application Sweden Molecular Diagnostics Test Volume Forecasts by Application Sweden Major Infectious Disease Test Volume Forecasts by Assay Sweden Molecular Diagnostics Market Forecasts by Application Sweden Major Infectious Disease Diagnostics Market Forecasts by Assay Switzerland Molecular Diagnostics Test Volume and Sales Forecasts by Application

Molecular Diagnostics Test Volume Forecasts by Application

Major Infectious Disease Test Volume Forecasts by Assay

Hepatitis Testing Market Estimated Sales by Major Supplier

Spain

Switzerland

Switzerland

Switzerland Molecular Diagnostics Market Forecasts by Application
Switzerland Major Infectious Disease Diagnostics Market Forecasts by Assay
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
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
U.K. Molecular Diagnostics Test Volume and Sales by Major Application
U.K. Laboratories Performing DNA Sequencing by Market Segment
U.K. Molecular Diagnostics Market

Potential Laboratory Universe by Market Segment

U.K. Molecular Diagnostics Test Volume by Major Application
U.K. Major Infectious Disease Test Volume by Assay
U.K. Major Infectious Disease Test Volume by Method
U.K. Molecular Diagnostics Market by Major Application
U.K. Molecular Diagnostics Market Estimated Sales and Market Shares of Major Suppliers
U.K. Major Infectious Disease Diagnostics Market by Assay
U.K. AIDS Testing Market Estimated Sales by Major Supplier
U.K. Gonorrhea Testing Market Estimated Sales by Major Supplier
U.K. Hepatitis Testing Market Estimated Sales by Major Supplier
U.K. Hepatitis C Testing Market Estimated Sales by Major Supplier
U.K. HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier
U.K. Influenza Testing Market Estimated Sales by Major Supplier
U.K. Mycoplasma Testing Market Estimated Sales by Major Supplier
U.K. Pneumonia Testing Market Estimated Sales by Major Supplier

ı		v	
	 ١.	N	ı

Shigella Testing Market Estimated Sales by Major Supplier

**United Arab Emirates** 

Molecular Diagnostics Test Volume and Sales Forecasts by Application

**United Arab Emirates** 

Molecular Diagnostics Test Volume Forecasts by Application

**United Arab Emirates** 

Major Infectious Disease Test Volume Forecasts by Assay

**United Arab Emirates** 

Molecular Diagnostics Market Forecasts by Application

**United Arab Emirates** 

Major Infectious Disease Diagnostics Market Forecasts by Assay

U.S.A.

Molecular Diagnostics Test Volume and Sales by Major Application

U.S.A.

Laboratories Performing DNA Sequencing by Market Segment

IJSΑ

Echovirus Testing Market Estimated Sales by Major Supplier

U.S.A.

Enterovirus Testing Market Estimated Sales by Major Supplier

U.S.A.

EBV Testing Market Estimated Sales by Major Supplier

U.S.A.

Gonorrhea Testing Market Estimated Sales by Major Supplier

U.S.A.

Hepatitis Testing Market Estimated Sales by Major Supplier

U.S.A.

Hepatitis C Testing Market Estimated Sales by Major Supplier

U.S.A.

HIV/Hepatitis Blood Screening NAT

Market Reagent Sales by Major Supplier

# <u>List of Tables</u> (continued)

U.S.A. Influenza Testing Market Estimated Sales by Major Supplier
U.S.A. Meningitis Testing Market Estimated Sales by Major Supplier
U.S.A. Mycoplasma Testing Market Estimated Sales by Major Supplier
U.S.A. Pneumonia Testing Market Estimated Sales by Major Supplier
U.S.A. Rabies Testing Market Estimated Sales by Major Supplier
U.S.A. RSV Testing Market Estimated Sales by Major Supplier
U.S.A. Salmonella Testing Market Estimated Sales by Major Supplier
U.S.A. Shigella Testing Market Estimated Sales by Major Supplier
U.S.A. West Nile Virus Nat Market Reagent Sales by Major Supplier
Venezuela Molecular Diagnostics Test Volume and Sales Forecasts by Application
Venezuela Molecular Diagnostics Test Volume Forecasts by Application
Venezuela Major Infectious Disease Test Volume Forecasts by Assay
Venezuela  Molecular Diagnostics Market Forecasts by Application

Major Infectious Disease Diagnostics Market Forecasts by Assay

Herpes Testing Market Estimated Sales by Major Supplier

U.S.A.

Venezuela

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

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