

# Table of Contents and List of Tables



*Over 1,000 corporations in 70 countries 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](http://www.LeadingMarketResearch.com)

[www.VPGMarketResearch.com](http://www.VPGMarketResearch.com)

[reports@vpgcorp.com](mailto:reports@vpgcorp.com)

+1 212 564 2838

## **Table of Contents**

### **Introduction**

### **Global Market Trends and Emerging Technologies**

- A. DNA Sequencing
- B. DNA and RNA Probe Technology
- C. Detection Technologies
- D. Instrumentation: Review of Automated and Semi-Automated Analyzers
- E. Biochips: Genosensors, Microarrays, Labs-on-the-Chip
- F. Pharmacogenomics
- G. Cancer Molecular Diagnostics Testing
  - 1. Overview
  - 2. Major Cancer Types
  - 3. Oncogenes
- H. Genetic Diseases Molecular Diagnostic Testing
  - 1. Overview
  - 2. Nucleic Acid Amplification
  - 3. Chromosome Imaging
  - 4. Genomics Technologies
  - 5. Proteomics Technologies
  - 6. Current Pharmacogenomic Testing
  - 7. Major Diseases
- I. Forensic Molecular Diagnostics Testing
  - 1. Overview
  - 2. Multilocus and Single Locus Probes
  - 3. The FBI

## **Table of Contents** (continued)

- 4. DNA Profile Data Banks
- 5. Judicial Implementation
- 6. Major Crime Categories
- 7. Factors Contributing to the DNA Probe  
Major Expansion
- J. Paternity Testing/HLA Typing Molecular Diagnostic Testing
- K. Other Molecular Diagnostic Testing Applications
- L. Competing/Complementing Technologies
- M. Worldwide Market Overview
  - 1. Business Environment
  - 2. Market Structure
  - 3. Market Size and Growth

### **France**

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Dynamics, Trends, Size and Growth
  - Volume Forecasts by Market Segment
  - Sales Forecasts by Market Segment
  - Major Supplier Sales and Market Shares

### **Germany**

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Dynamics, Trends, Size and Growth
  - Volume Forecasts by Market Segment
  - Sales Forecasts by Market Segment
  - Major Supplier Sales and Market Shares

## **Table of Contents** (continued)

### **Italy**

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Dynamics, Trends, Size and Growth
  - Volume Forecasts by Market Segment
  - Sales Forecasts by Market Segment
  - Major Supplier Sales and Market Shares

### **Japan**

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Dynamics, Trends, Size and Growth
  - Volume Forecasts by Market Segment
  - Sales Forecasts by Market Segment
  - Major Supplier Sales and Market Shares

### **Spain**

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Dynamics, Trends, Size and Growth
  - Volume Forecasts by Market Segment
  - Sales Forecasts by Market Segment
  - Major Supplier Sales and Market Shares

### **U.K.**

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Dynamics, Trends, Size and Growth
  - Volume Forecasts by Market Segment
  - Sales Forecasts by Market Segment
  - Major Supplier Sales and Market Shares

## **Table of Contents** (continued)

### **U.S.A.**

- A. Executive Summary
- B. Business Environment and Healthcare Reform
- C. Market Structure
- D. Market Dynamics, Trends, Size and Growth
  - Volume Forecasts by Market Segment
  - Sales Forecasts by Market Segment
  - Major Supplier Sales and Market Shares

### **Major Product Development Opportunities**

- A. Opportunities for New Instrumentation
- B. Opportunities for New Reagent Kits and Test Systems/Panels
- C. Opportunities for New IT, Computers, Software and Automation
- D. Opportunities for New Auxiliary Products

### **Design Criteria For Decentralized Testing Products**

### **Alternative Market Penetration Strategies**

### **Potential Market Entry Barriers And Risks**

### **Competitive Profiles**

Abbott  
Agilent Technologies  
Applied Gene Technologies  
Arca Biopharma  
Beckman Coulter/Danaher/Cepheid  
Becton Dickinson  
Biokit  
bioMerieux  
Bio-Rad  
Decode Genetics  
Diasorin  
Eiken Chemical  
Elitech Group  
Enzo Biochem  
Exact Sciences  
Fujirebio  
Grifols  
Hologic  
Illumina  
LabCorp

## **Table of Contents** (continued)

Leica Biosystems/Kreatech

Li-Cor Biosciences

Myriad Genetics

Proteome Sciences

Qiagen

Quest Diagnostics

QuidelOrtho

Roche

Shimadzu

Siemens Healthineers

Takara Bio

Tecan Group

Thermo Fisher

## **List of Tables**

Oncogenes Potential Applications in Cancer Diagnosis

Major Companies Developing or Marketing Cancer  
Molecular Diagnostic Tests

Major Companies Developing or Marketing Molecular Diagnostic Tests  
For Genetic Diseases

Worldwide, Laboratories Performing DNA Sequencing  
By Country

Worldwide, Molecular Diagnostics Market Potential  
Laboratory Universe by Country

Worldwide, Molecular Diagnostic Test Volume Forecast  
By Country

Worldwide, Molecular Diagnostics Market  
Forecast by Country

France, Laboratories Performing DNA Sequencing  
By Market Segment

France, Molecular Diagnostics Market Potential  
Laboratory Universe by Market Segment

France, Molecular Diagnostic Test Volume Forecast  
By Major Application

France, Molecular Diagnostics Market Forecast  
By Major Application

France, Molecular Diagnostics Market  
By Major Supplier

Germany, Laboratories Performing  
DNA Sequencing by Market Segment

Germany, Molecular Diagnostics Market  
Potential Laboratory Universe by Market Segment

## **List of Tables** (continued)

Germany, Molecular Diagnostic Test Volume Forecast  
By Major Application

Germany, Molecular Diagnostic Market Forecast  
By Major Application

Germany, Molecular Diagnostics  
Market by Major Supplier

Italy, Laboratories Performing  
DNA Sequencing by Market Segment

Italy, Molecular Diagnostics Market Potential  
Laboratory Universe by Market Segment

Italy, Molecular Diagnostic Test Volume Forecast  
By Major Application

Italy, Molecular Diagnostic Market Forecast  
By Major Application

Italy, Molecular Diagnostics Market  
By Major Supplier

Japan, Laboratories Performing  
DNA Sequencing by Market Segment

Japan, Molecular Diagnostics Market Potential  
Laboratory Universe by Market Segment

Japan, Molecular Diagnostic Test Volume Forecast  
By Major Application

Japan, Molecular Diagnostic Market Forecast  
By Major Application

Japan, Molecular Diagnostics Market  
By Major Supplier

Spain, Laboratories Performing  
DNA Sequencing by Market Segment



## **List of Tables** (continued)

Spain, Molecular Diagnostics Market, Potential  
Laboratory Universe by Market Segment

Spain, Molecular Diagnostic Test Volume Forecast  
By Major Application

Spain, Molecular Diagnostic Market Forecast  
By Major Application

Spain, Molecular Diagnostics Market  
By Major Supplier

U.K., Laboratories Performing  
DNA Sequencing by Market Segment

U.K., Molecular Diagnostics Market Potential  
Laboratory Universe by Market Segment

U.K., Molecular Diagnostic Test Volume Forecast  
By Major Application

U.K., Molecular Diagnostic Market Forecast  
By Major Application

U.K., Molecular Diagnostics Market  
by Major Supplier

U.S.A., Laboratories Performing  
DNA Sequencing by Market Segment

U.S.A., Molecular Diagnostics Market, Potential  
Laboratory Universe by Market Segment

U.S.A., Molecular Diagnostic Test Volume Forecast  
By Major Application

U.S.A., Molecular Diagnostic Market Forecast  
By Major Application

U.S.A., Molecular Diagnostics Market  
by Major Supplier