

# US Molecular Diagnostics Market: Innovative Technologies and Emerging Business Opportunities

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# Abstracts

This report contains 880 pages, 37 tables and presents a comprehensive analysis of the US molecular diagnostics market, including:

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

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

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

Infectious Diseases

**Genetic Diseases** 

Cancer

Paternity Testing/HLA Typing

Forensic Testing

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 880 pages and 37 tables



# **Contents**

#### INTRODUCTION

#### WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

#### 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 Technology
  - 1. Basic Principles
  - 2. Probe Preparation
  - 3. The DNA Probe Test
  - a. Sample Preparation
  - b. Hybridization
  - c. Separation
  - d. Detection/Measurement
  - 4. Test Formats
  - a. Filter Hybridization
  - b. Southern Blot
  - c. Northern Blot
  - d. In Situ Hybridization
  - e. Others
  - 5. Labeling Techniques
  - 6. Amplification Methods
    - Polymerase Chain Reaction
    - **Temperature Cyclers**
    - **PCR** Variations
    - Immuno-PCR
    - QC-PCR



**DAP-PCR** Strand Displacement Activation TMA Ligase Chain Reaction **Branched DNA** Hybridization Protection Assay Nucleic-Acid Sequence-Based Amplification Self-Sustained Sequence Replicase Others Ampliprobe CAR CAS CPT Dendritic Polymer Technology ISO-CR LAT **Probe Networks** RAMP **Repair Chain Reaction Rolling Circles** Sequence Independent Gene Amplification Sequence Initiation Reaction SISPA Solid Phase Amplification 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. Instrumentation Review
  - 1. Abbott LCx
  - 2. Beckman Coulter/Biomek FK
  - 3. Becton Dickinson SDA
  - 4. Bio-Rad GeneScope
  - 5. Gen-Probe Tigris
  - 6. Roche Cobas Amplicor
  - 7. Tecan LS Series
- E. Biochips: Genosensors, Microarrays, and 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
  - Structure and Composition
  - Classification
  - **AIDS** Origins
  - Animal Lentivirus Systems
  - Virus Receptors
  - HIV Infections in Humans
  - Pathogenesis and Pathology
  - CD4T Lymphocytes and Memory Cells
  - Monocytes and Macrophages
  - Lymphoid Organs
  - **Neural Cells**
  - **Viral Coinfections**
  - **Clinical Findings**
  - Plasma Viral Load
  - Pediatric AIDS
  - Neurologic Disease
  - **Opportunistic Infections**
  - Cancer
  - Immunity



Virus Isolation Serology Viral Nucleic Acid/Antigen Detection Epidemiology Worldwide Spread of AIDS **United States** Routes of Transmission **DNA** Probes Overview Quantitative PCR In Situ PCR **Needed Improvements** Viral Load/Drug Resistance Testing Genotype and Phenotype Testing **Blood Banking Considerations** Adenovirus Background **Diagnostic Tests** Vaccines and Drugs Adeno-Associated Viruses (AAV) Anthrax/Bacillus Anthracis Background **Diagnostic Tests** Vaccines and Drugs **Babesiosis** Background **BEA and Other Bartonella Diseases** Background **Diagnostic Tests** Vaccines and Drugs Chagas Disease Background Campylobacter Background **Diagnostic Tests Culture Identification** Vaccines and Drugs Chlamydia

US Molecular Diagnostics Market: Innovative Technologies and Emerging Business Opportunities

Background



Chlamydia psittaci Chlmaydia pneumoniae Chlamydia trachomatis **Diagnostic Tests** Vaccines and Drugs Creutzfeldt-Jakob's Disease Background **Blood Transmission Diagnostic Tests** Major Commercial and Academic Players Bayer **Disease Sciences/Bio Tec Global** Imperial College School of Medicine **Ortho-Clinical Diagnostics** Pall **ProMetic Life Sciences** Proteome Sciences/Idexx Q-One Biotech Serono U.S. Agricultural Research Service Drugs Vaccines Cytomegalovirus Background Chorioretinitis Gastrointestinal Central Nervous System Disease **Diagnostic Tests** Vaccines and Drugs Ebola Virus Background Epidemiology **Clinical Syndromes Diagnostic Tests** Vaccines and Drugs **EchoVirus** Background Acute Aseptic Meningitisis Encephalitis



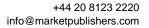
**Exanthems Respiratory Disease Myopericarditis Neonatal Infections Diagnostic Tests** Vaccines and Drugs Encephalitis Background **Diagnostic Tests** Vaccines and Drugs **Enteroviruses** Background **Diagnostic Tests** Viral Isolation and Identification Antibody Tests Vaccines and Drugs **Epstein-Barr Virus** Background **Diagnostic Tests** Vaccines and Drugs Gonorrhea Background **Diagnostic Tests** Vaccines and Drugs Hepatitis Hepatitis A Hepatitis **B** Structure and Composition Replication Hepatitis C Hepatitis D (Delta) Hepatitis E Hepatitis G Hepatitis Infections Pathology **Clinical Findings** Laboratory Tests Hepatitis A Hepatitis B

US Molecular Diagnostics Market: Innovative Technologies and Emerging Business Opportunities

Hepatitis C



Hepatitis D Hepatitis E Virus-Host Immune Reactions Epidemiology Hepatitis A Hepatitis **B** Hepatitis C Hepatitis D (Delta) Vaccines and Drugs Herpes Simplex Virus Background **Diagnostic Tests** Vaccines and Drugs Legionella Background **Diagnostic Tests** Vaccines and Drugs Lyme Disease Background **Clinical Description Clinical Case Definition** Laboratory Criteria for Diagnosis **Case Classification Diagnostic Tests** Vaccines and Drugs Malaria Mycoplasma Background Ureaplasma Urealyticum & Mycoplasma Hominis **Diagnostic Tests** Vaccines and Drugs Papillomaviruses/HPV Background HPV in Cancer **Cervical Neoplasm Diagnostic Tests** Vaccines and Drugs Prevention





Parvovirus B19 Background Microbiology Epidemiology **Clinical Syndromes** Erythema Infectiosum (Slapped Cheek) Adult Polyarthropathy **Transient Aplastic Crisis Transient Pancytopenia** Red Cell Aplasia in Immunocompromised Perinatal Infections **Diagnostic Test** Vaccines and Drugs Pneumonia Background **Diagnostic Tests** Vaccines and Drugs Polyomaviruses Background **Diagnostic Tests** Vaccines and Drugs Salmonellosis Background **Diagnostic Tests** Vaccines and Drugs Shigellosis Background **Diagnostic Tests** Vaccines and Drugs Streptococci Background **Diagnostic Tests** Vaccines and Drugs Group A Streptococci Group B Streptococci Toxoplasmosis Background **Diagnostic Tests** Vaccines and Drugs



Tuberculosis Background **Diagnostic Tests Microscopic Characteristics Cultural Characteristics** Skin Tests **MDRTB** Vaccines and Drugs West Nile Virus Background **Clinical Syndromes Diagnostic Tests** Vaccines and Drugs Yersinia Background **Diagnostic Tests** Vaccines and Drugs c. Antibiotic Susceptibility 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 Multilocus Probes

Single Locus Probes

PCR and RFLP

- c. The FBI
- d. DNA Profile Data Banks

U.S.A.

U.K.

- e. Judicial Implementation
- f. Major Crime Categories
- g. Factors Contributing to the DNA Probe Market Expansion

Technology Availability

Use of Hair as Evidence

- 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. Water Contamination
- i. Other
- H. Competing/complementing Technologies
  - 1. Monoclonal Antibodies/Immunoassays
  - 2. RNA Probes
  - 3. Two-Dimensional Electrophoresis
  - 4. Flow Cytometry



# U.S.A.

- A. Executive Summary
- B. Business Environment
  - 1. Health Care Expenditures
  - 2. Cost Consciousness
  - 3. Reimbursement
  - 4. Industry Consolidation
  - 5. Managed Care
    - a. PPO
  - b. HMO
  - 6. Hospitals
  - 7. Admissions
  - 8. Length of Stay
  - 9. Industry Diversification
  - 10. Physician Demographics
  - 11. Population Aging
  - a. Chronic Illness
  - b. Disease Incidence
  - c. Susceptibility to latrogenesis
  - d. Multiple Illness Cases
  - 12. Laboratory Regulations
  - 13. FDA Reform
- C. Market Structure
  - 1. Hospitals
  - 2. Commercial/Private Laboratories
  - 3. Blood Banks

D. Market Size, Growth and Major Suppliers' Sales and Market Shares Major Product Development Opportunities

- A. Instrumentation
- B. Reagent Kits and Test Systems/panels
- C. Computers, Software and Automation
- **D. Auxiliary Products**

# DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

# ALTERNATIVE MARKET PENETRATION STRATEGIES



- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies For Decentralized Testing Markets
- 1. Marketing Approaches
- 2. Product Complexity
- 3. Customer Preference
- 4. Established Suppliers
- 5. Emerging Suppliers
- 6. Major Types Of Distributors
- 7. Market Segmentation

### 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

### **COMPETITIVE PROFILES**

Abbott Affymetrix Agilent Applied Gene Technologies Arca Beckman Coulter/Danaher Becton Dickinson Biokit BioMerieux Bio-Rad Biotest Caliper Cepheid Decode Diadexus



Eiken

Enzo

**Exact Sciences** 

Fujirebio

Gen-Probe

Hologic

Illumina

Innogenetics/Solvay

Kreatech

Li-Cor Biosciences

Life Technologies

Monogram Biosciences

- Myriad Genetics
- Nanogen/Elitech

Novartis

- Orchid CellMark
- Ortho-Clinical Diagnostics
- **Proteome Sciences**

Qiagen

Roche

Scienion

Sequenom

Shimadzu

Siemens

Sierra Molecular

Takara Bio

Tecan Group

### APPENDIXES

Appendix I: Major Universities and Research Centers Developing Molecular Diagnosti Technology Appendix II: Glossary of Terms Appendix III: Currency Exchange Rates



# **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 Campylobacter 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 CMV 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 Gonorrhea 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 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 Mycoplasma Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Papilloma Virus 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 Salmonella 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 Toxoplasmosis 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 Test For Genetic Diseases

Summary Table U.S.A., Molecular Diagnostics Test Volume And Sales Forecast by Major Application

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 Diagnostics Test Volume Forecast By Major Application
- U.S.A., Major Infectious Disease Molecular Diagnostics Test Volume Forecast
- U.S.A., Infectious Disease Screening NAT Volume by Test Forecast
- U.S.A., Molecular Diagnostics Market Forecast By Major Application
- U.S.A., Infectious Disease Screening Nat Reagent Market Forecast by Test
- U.S.A., Molecular Diagnostics Market by Major Supplier
- U.S.A., HIV/Hepatitis C NAT Market Reagent Sales By Major Supplier
- U.S.A., West Nile Virus NAT Market Reagent Sales By Major Supplier



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