

# **US Automated Microbiology Market, 2019-2023: Supplier Shares and Segmentation Forecasts--Molecular Dx, Identification, Susceptibility, Blood Culture, Urine Screening, Immunodiagnosics--Competitive Landscape, Innovative Technologies, Latest Instrumentation, Emerging Opportunities**

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## **Abstracts**

LeadingMarketResearch.com's new report is an analysis of major business opportunities emerging in the U.S. automated microbiology market during the next five years. The report examines key trends, reviews current and emerging assays; analyzes potential applications of innovative diagnostic technologies; forecasts volume and sales for molecular diagnostic, microbial identification, antibiotic susceptibility, blood culture, urine screening and immunodiagnostic procedures, as well as over 100 infectious disease tests by assay, application, market segment; profiles leading players and potential market entrants; and suggests alternative business expansion strategies for suppliers.

### **Rationale**

The level of automation in the microbiology laboratory has been lagging behind that of other major clinical laboratory segments, such as chemistry and hematology. The slow acceptance of the technology is in part due to the complexity of developing automation suitable for microbiology tests.

The introduction of automated microbiology instrumentation has been delayed by a number of intrinsic and technical problems. The diffusion of automated microbiology

systems, once the technology was developed, has not matched that of other automated laboratory technologies. The acquisition of automation in microbiology has been slowed by forces less easily identifiable than the effects of various reimbursement plans. Some laboratorians still believe that current instrumentation is not the ultimate technology and expect better automation on the horizon.

The driving force behind the need for rapid reporting of microbiological test results is the clinical relevance in a time of financial austerity, a time when cost and health care effectiveness to the patient and diagnostician looms ever larger, and where after-the-fact results at high expense are coming under severe scrutiny worldwide.

This comprehensive report will assist diagnostics industry executives, as well as companies planning to diversify into the dynamic and rapidly expanding U.S. microbiology market, in evaluating emerging opportunities and developing effective business strategies.

## Market Segmentation Analysis

Sales and market shares for major suppliers by individual test.

Volume and sales forecasts for over 100 infectious disease assays by individual test:

Test volume estimates by method (molecular, serology/immunodiagnostics, culture/microscopy).

Review of the market dynamics, trends, structure, size, growth and major suppliers.

## Specimen Types

Urine

Sterile Fluids: Blood, Serum, CSF

Throat Swabs, Respiratory Secretions

Genital Secretions

Stool

Abscess/Wound

Sputum

Saliva

## Applications

Microbial Identification

Antibiotic Susceptibility

Urine Screening

Blood Cultures

## Review of Major Automated Systems

Review of major automated molecular diagnostic, multipurpose, specialized, microbial identification, antibiotic susceptibility, blood culture, urine screening, and immunodiagnostic analyzers.

The report profiles analyzers manufactured by Abbott Laboratories, Agilent Technologies, Beckman Coulter/Danaher, bioMerieux, Bio-Rad, DiaSorin, Eiken Chemical, Fujirebio, Grifols, Instrumentation Laboratory/Werfen, Kyowa Medex, Ortho-Clinical Diagnostics, PerkinElmer, Quest Diagnostics, Roche, Siemens Healthineers, Sysmex, Thermo Fisher, Tosoh, Wako.

## Infectious Diseases Analyzed in the Report

AIDS/HIV, Adenovirus, Aeromonads, Bartonella, Blastocystis Hominis, Campylobacter, Candida, Chancroid, Chlamydia, Clostridium, Coronavirus, Coxsackievirus, Cryptosporidium, Cyclospora, CMV, E. Coli, Echovirus, Encephalitis, Enterovirus, EBV,

Giardia, Gonorrhea, Granuloma Inguinale, Hantavirus, H. Pylori, Hepatitis, Herpes Influenza, Legionella, Lyme disease, Lymphogranuloma, Malaria, Measles, Meningitis, Microsporidium, Mononucleosis, Mumps, Mycoplasma, HPV, Parvovirus, Pneumonia, Polyomaviruses, Pseudomonas, Rabies, RSV, Rhinovirus, Rotavirus, Rubella, Salmonella, Septicemia, Shigella, Staphylococci, Streptococci, Syphilis, Toxoplasmosis, Trichomonas, TB, Vibrio, West Nile, Yersinia.

## Technology Review

Assessment of molecular diagnostic, monoclonal antibody, immunoassay, and other technologies and their potential applications for the microbiology market.

Global listings of companies developing or marketing microbiology products by individual test.

## Competitive Assessments

Strategic assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, collaborative arrangements and new products in R&D.

The companies analyzed in the report include Abbott Laboratories, Agilent Technologies, Beckman Coulter/Danaher, bioMérieux, Bio-Rad, DiaSorin, Eiken Chemical, Fujirebio, Grifols, Instrumentation Laboratory/Werfen, Kyowa Medex, Ortho-Clinical Diagnostics, PerkinElmer, Quest Diagnostics, Roche, Siemens Healthineers, Sysmex, Thermo Fisher, Tosoh, Wako.

## Opportunities and Strategic Recommendations

Emerging opportunities for new analyzers, reagents kits, IT and other products with significant market appeal during the next five years.

Design criteria for decentralized testing products.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Contains 436 pages and 94 tables

## Contents

### I. WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

#### A. Introduction

1. Major Factors Affecting Market Penetration of Microbiology Instrumentation
2. Traditional Practices
3. Technological Challenges
4. Automation: Impact on the Microbiology Laboratory and the Patient

#### B. Major Specimen Types

1. Urine
2. Sterile Fluids: Blood, Serum, and CSF
3. Throat Swabs and Respiratory Secretions
4. Genital Secretions
5. Stool
6. Abscess/Wound
7. Sputum
8. Saliva

#### C. Test Applications

1. Microbial Identification
2. Antibiotic Susceptibility
3. Urine Screening
  - a. Photometry
  - b. Bioluminescence
  - c. Colorimetric Filtration
  - d. Enzymatic Detection
  - e. Optical Detection
4. Blood Cultures

#### D. Major Microbiology Automated and Semiautomated Systems

1. Multiple Purpose Microbiology Systems
2. Specialized Microbiology Systems
3. Molecular Diagnostic Systems
4. Immunodiagnostic Systems

#### E. Emerging Diagnostic Technologies

1. Molecular Diagnostics
  - a. DNA Sequencing

Introduction

Sequencing Methods

Autoradiography

The Human Genome Project  
Sequencing Automation  
Image Scanners  
Fluorescent Detection  
Gene Profiling  
Gene Expression  
Polymorphism Screening  
Protein Interaction Networks  
    b. DNA And RNA Probe Technology  
Basic Principles  
Probe Preparation  
The DNA Probe Test  
    Sample Preparation  
    Hybridization  
    Separation  
    Detection/Measurement  
Test Formats  
    Filter Hybridization  
    Southern Blot  
    Northern Blot  
    In Situ Hybridization  
    Others  
Labeling Techniques  
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
- RAMP
- Repair Chain Reaction
- Rolling Circles
- Sequence Independent Gene Amplification
- Sequence Initiation Reaction
- SISPA
- Solid Phase Amplification
- c. Detection Technologies

#### Radioactive Methods

- Overview
- Major Isotopes
  - P-32
  - S-35
  - H-3
  - I-125

#### Non-Isotopic Methods

- Enzymatic Labels
- Chemical Labeling
  - Indirect Chemical Labeling
  - Direct Chemical Labeling
- Fluorescence
- Chemiluminescence
- Electrical Conductivity
- d. Biochips: Genosensors, Microarrays, and Labs-on-the-Chip
- Liquid Transportation and Mixing
- Separation
- Reaction
- Detection
- 2. Monoclonal Antibodies
- 3. Immunoassays
- 4. Differential Light Scattering
- 5. Information Technology



6. Artificial Intelligence
7. Liposomes
8. Flow Cytometry
9. Chromatography
10. Diagnostic Imaging
11. Gel Microdroplets
12. Other

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

- A. Business Environment
- B. Market Structure
- C. Market Size, Growth and Major Supplier Sales and Market Shares

## **III. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES**

## **IV. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS**

## **V. 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

## **VII. 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

## **VIII. COMPETITIVE ASSESSMENTS**

Abbott  
Affymetrix  
Agilent Technologies  
Applied Gene Technologies  
Arca Biopharma  
Beckman Coulter/Danaher  
Becton Dickinson  
Biokit  
bioMerieux  
Bio-Rad  
Biotest  
Cepheid  
CellMark Forensics/Lab Corp  
Decode Genetics  
Diadexus  
Diamedix/Erba  
DiaSorin  
Eiken Chemical  
Elitech Group  
Enzo Biochem  
Exact Sciences  
Fujirebio  
Grifols  
Hologic/Gen-Probe  
Illumina  
ID Biomedical/GSK  
Kreatech/Leica  
Li-Cor Biosciences  
Lonza  
Monogram Biosciences  
Myriad Genetics  
Ortho-Clinical Diagnostics  
Perkin Elmer/Caliper  
Proteome Sciences

Qiagen  
Roche  
Scienion  
Sequenom  
SeraCare  
Siemens  
Sierra Molecular  
Shimadzu  
Takara Bio  
Tecan  
Thermo Fisher  
Wallac/PE  
Wako

## List Of Tables

### LIST OF TABLES

Major Companies Developing or Marketing AIDS Tests  
Major Companies Developing or Marketing Adenovirus Tests  
Major Companies Developing or Marketing Bartonella Tests  
Major Companies Developing or Marketing Campylobacter Tests  
Major Companies Developing or Marketing Candida Tests  
Major Companies Developing or Marketing Chlamydia Tests  
Major Companies Developing or Marketing Clostridium Tests  
Major Companies Developing or Marketing Coronavirus Tests  
Major Companies Developing or Marketing Cryptosporidium Tests  
Major Companies Developing or Marketing CMV Tests  
Major Companies Developing or Marketing Echovirus Tests  
Major Companies Developing or Marketing Enterovirus Tests  
Major Companies Developing or Marketing EBV Tests  
Major Companies Developing or Marketing Giardia Tests  
Major Companies Developing or Marketing Gonorrhea Tests  
Major Companies Developing or Marketing Hantavirus Tests  
Major Companies Developing or Marketing Helicobacter Pylori Tests  
Major Companies Developing or Marketing Hepatitis Tests  
Major Companies Developing or Marketing Herpes Tests  
Major Companies Developing or Marketing Influenza Tests  
Major Companies Developing or Marketing Legionella Tests  
Major Companies Developing or Marketing Lyme Disease Tests  
Major Companies Developing or Marketing Lymphogranuloma Tests  
Major Companies Developing or Marketing Malaria Tests  
Major Companies Developing or Marketing Measles Tests  
Major Companies Developing or Marketing Meningitis Tests  
Major Companies Developing or Marketing Microsporidium Tests  
Major Companies Developing or Marketing Mononucleosis Tests  
Major Companies Developing or Marketing Mumps Tests  
Major Companies Developing or Marketing Mycoplasma Tests  
Major Companies Developing or Marketing Papilloma Virus Tests  
Major Companies Developing or Marketing Parvovirus Tests  
Major Companies Developing or Marketing Pneumonia Tests  
Major Companies Developing or Marketing RSV Tests  
Major Companies Developing or Marketing Rotavirus Tests

Major Companies Developing or Marketing Rubella Tests

Major Companies Developing or Marketing Salmonella Tests

Major Companies Developing or Marketing Septicemia Tests

Major Companies Developing or Marketing Shigella Tests

Major Companies Developing or Marketing Staphylococci Tests

Major Companies Developing or Marketing Streptococci Tests

Major Companies Developing or Marketing Syphilis Tests

Major Companies Developing or Marketing Toxoplasmosis Tests

Major Companies Developing or Marketing Trichomonas Tests

Major Companies Developing or Marketing Tuberculosis Tests

Major Companies Developing or Marketing West Nile Tests

Major Companies Developing or Marketing Yersinia Tests

U.S.A.

Laboratories Performing Microbiology Tests by Market Segment

U.S.A.

Hospital Laboratories Performing Microbiology Tests by Bed Size

U.S.A.

Commercial/Private Laboratories Performing Microbiology Tests by Annual Test Volume

U.S.A.

All Market Segments Microbiology Specimen Volume

U.S.A.

Hospital Laboratories Microbiology Specimen Volume

U.S.A.

Physician Offices/Group Practices Microbiology Specimen Volume

U.S.A.

Public Health Laboratories Microbiology Specimen Volume

U.S.A.

Commercial/Private Laboratories Microbiology Specimen Volume

U.S.A. Microbiology Test Volume by Market Segment

U.S.A. Microbiology Test Volume by Application

U.S.A.

Microbial Identification Test Volume by Market Segment

U.S.A.

Urine Screening Test Volume by Market Segment

U.S.A.

Blood Culture Test Volume by Market Segment

U.S.A.

Antibiotic Susceptibility Test Volume by Market Segment

U.S.A.

Microbiology Consumables Market by Application

U.S.A.

Microbiology Consumables Market by Market Segment

U.S.A.

Microbial Identification Consumables Sales by Market Segment

U.S.A.

Antibiotic Susceptibility Consumables Sales by Market Segment

U.S.A.

Blood Culture Consumables Sales by Market Segment

U.S.A.

Urine Screening Consumables Sales by Market Segment

U.S.A.

All Market Segments Infectious Disease Test Volume Forecast by Assay

U.S.A.

All Market Segments Infectious Disease Diagnostics Market Forecast by Test

U.S.A.

Infectious Disease Blood Screening NAT Volume Forecast by Assay

U.S.A.

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

U.S.A.

HIV/AIDS Testing Market Diagnostics Sales by Major Supplier

U.S.A.

HIV/Hepatitis Blood Screening NAT Market Diagnostics Sales by Major Supplier

U.S.A.

Adenovirus Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Campylobacter Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Candida Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Chancroid Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Chlamydia Testing Market Diagnostics Sales by Major Supplier

U.S.A.

CMV Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Cryptosporidium Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Echovirus Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Enterovirus Testing Market Diagnostics Sales by Major Supplier

U.S.A.

EBV Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Giardia Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Gonorrhea Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Helicobacter Pylori Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Hepatitis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Hepatitis C Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Herpes Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Influenza Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Legionella Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Lyme Disease Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Measles Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Meningitis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Mononucleosis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Mumps Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Mycoplasma Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Pneumonia Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Rabies Testing Market Diagnostics Sales by Major Supplier

U.S.A.

RSV Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Rotavirus Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Rubella Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Salmonella Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Septicemia Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Shigella Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Streptococci Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Syphilis Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Tuberculosis Testing Market Diagnostics Sales by Major Supplier  
U.S.A.

Molecular Diagnostics Market Sales and Shares of Major Suppliers



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