

# **Global Automated Microbiology Market, 2019-2023: High-Growth Opportunities in US, Europe Japan--Molecular Diagnostics, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics--Supplier Shares and Strategies, Country Segment Forecasts, Technology and Instrumentation Review**

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## **Abstracts**

LeadingMarketResearch.com's new report is a seven-country strategic analysis of the major business opportunities emerging in the automated microbiology market during the next five years. The report examines key trends in the U.S., five major European countries (France, Germany, Italy, Spain, UK) and Japan; 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, and country; 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 seven-country report will assist diagnostics industry executives, as well as companies planning to diversify into the dynamic and rapidly expanding microbiology market, in evaluating emerging opportunities and developing effective business strategies.

## Worldwide Market Overview

Estimated universe of laboratories performing microbiology testing by country.

Specimen, test volume and sales forecasts by country.

## Geographic Coverage

France, Germany, Italy, Japan, Spain, UK, USA

## Market Segmentation Analysis

Sales and market shares for major suppliers by individual test and country.

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

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

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

suppliers by country.

## 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, Affymetrix, Beckman Coulter/Danaher, Becton Dickinson, bioMerieux, Bio-Rad, Cepheid, Diamedix, DiaSorin, Eiken Chemical, Elitech Group, Enzo Biochem, Fujirebio, Grifols, GSK Biologicals, Hologic, Leica Biosystems, Lonza, Ortho-Clinical Diagnostics, PerkinElmer, Qiagen, Roche, Scienion, Sequenom, SeraCare, Siemens Healthineers, Takara Bio, Thermo Fisher, Wako.

## Infectious Diseases Analyzed in the Report

AIDS/HIV, Adenovirus, Aeromonads, Bartonella, Blastocystis Hominis, Campylobacter, Candida, Carbapenemase, 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, Norovirus, 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, Affymetrix, Beckman Coulter/Danaher, Becton Dickinson, bioMerieux, Bio-Rad, Cepheid, Diamedix, DiaSorin, Eiken Chemical, Elitech Group, Enzo Biochem, Fujirebio, Grifols, GSK Biologicals, Hologic, Leica Biosystems, Lonza, Ortho-Clinical Diagnostics,

PerkinElmer, Qiagen, Roche, Scienion, Sequenom, SeraCare, Siemens Healthineers, Takara Bio, Thermo Fisher, 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.

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Contains 821 pages and 371 tables

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Microbiology Consumables Market by Market Segment

U.K.

Microbial Identification Consumables Sales by Market Segment

U.K.

Antibiotic Susceptibility Consumables Sales by Market Segment

U.K.

Blood Culture Consumables Sales by Market Segment

U.K.

Urine Screening Consumables Sales by Market Segment

U.K.

All Market Segments Infectious Disease Test Volume Forecast by Assay

U.K.

All Market Segments Infectious Disease Diagnostics Market Forecast by Test

U.K.

Infectious Disease Blood Screening NAT Volume Forecast by Assay

U.K.

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

U.K.

HIV/AIDS Testing Market Diagnostics Sales by Major Supplier

U.K.

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

U.K.

Campylobacter Testing Market Diagnostics Sales by Major Supplier

U.K.

Candida Testing Market Diagnostics Sales by Major Supplier

U.K.

Gonorrhea Testing Market Diagnostics Sales by Major Supplier

U.K.

Hepatitis Testing Market Diagnostics Sales by Major Supplier

U.K.

Hepatitis C Testing Market Diagnostics Sales by Major Supplier

U.K.

Influenza Testing Market Diagnostics Sales by Major Supplier

U.K.

Mycoplasma Testing Market Diagnostics Sales by Major Supplier

U.K.

Pneumonia Testing Market Diagnostics Sales by Major Supplier

U.K.

RSV Testing Market Diagnostics Sales by Major Supplier

U.K.

Rubella Testing Market Diagnostics Sales by Major Supplier

U.K.

Septicemia Testing Market Diagnostics Sales by Major Supplier

U.K.

Shigella Testing Market Diagnostics Sales by Major Supplier

U.K.

Streptococci Testing Market Diagnostics Sales by Major Supplier

U.K.

Syphilis Testing Market Diagnostics Sales by Major Supplier

U.K.

Tuberculosis Testing Market Diagnostics Sales by Major Supplier

U.K.

Molecular Diagnostics Market Sales and Shares of Major Suppliers

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

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Antibiotic Susceptibility Consumables Sales by Market Segment

U.S.A.

Blood Culture Consumables Sales by Market Segment

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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.

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U.S.A.

Legionella Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Lyme Disease Testing Market Diagnostics Sales by Major Supplier

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Meningitis Testing Market Diagnostics Sales by Major Supplier

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U.S.A.

Mumps Testing Market Diagnostics Sales by Major Supplier

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U.S.A.

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

Molecular Diagnostics Market Sales and Shares of Major Suppliers

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