

2017-2021 World Automated Microbiology Market: Molecular Diagnostics, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics--Supplier Shares and Strategies, Country Volume and Sales Segment Forecasts

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# **Abstracts**

Complete report \$35,500. DataPack (test volumes, sales forecasts, supplier shares) \$22,400.

VPGMarketResearch.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/immunodiagnostics, 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, Alifax, Anagen, BD, Beckman Coulter/Danaher, Biochem, Biolog, bioMerieux, Bio-Rad, Biotrol,



Cepheid, Curetis, GenMark, Hologic/Gen-Probe, HTG, Iris, J&J, Labsystems, Life Technologies, MiDI, Olympus, Qiagen, Roche, Siemens, Sy-Lab, Sysmex, Tecan, Thermo Fisher, Tosoh.

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



Elmer/Caliper, Proteome Sciences, Qiagen, Roche, Scienion, Sequenom, SeraCare, Shimadzu, Siemens, Sierra Molecular, Takara Bio, Tecan, Thermo Fisher, Wallac/PE, 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.

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Contains 821 pages and 371 tables



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  - TMA



Ligase Chain Reaction **Branched DNA** Hybridization Protection Assay NucleicAcid SequenceBased Amplification SelfSustained Sequence Replicase Others Ampliprobe CAR CAS CPT **Dendritic Polymer Technology** ISOCR 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 Ρ S Н Т Nonlsotopic Methods **Enzymatic Labels Chemical Labeling** Indirect Chemical Labeling **Direct Chemical Labeling** Fluorescence Chemiluminescence **Electrical Conductivity** d. Biochips: Genosensors, Microarrays, and LabsontheChip Liquid Transportation and Mixing



Separation

Reaction

Detection

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Abbott Affymetrix Agilent Technologies Applied Gene Technologies Arca Biopharma Beckman Coulter/Danaher Becton Dickinson Biokit bioMerieux BioRad Biotest CellMark Forensics/LabCorp



Cepheid Decode Diadexus Diamedix DiaSorin **Eiken Chemical Elitech Group Enz-Biochem Exact Sciences** Fujirebio Grifols Hologic/GenProbe Illumina ID Biomedical/GSK Kreatech/Leica LiCor Biosciences Lonza **Monogram Biosciences Myriad Genetics OrthoClinical Diagnostics** Perkin Elmer/Caliper **Proteome Sciences** Qiagen Roche Scienion Sequenom SeraCare Siemens Sierra Molecular Shimadzu Takara Bio Tecan Therm-Fisher Wallac/PE Wako



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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 Worldwide, All Market Segments, Laboratories Performing Microbiology Tests by Country Worldwide, All Market Segments, Microbiology Specimen Volume by Country Worldwide, All Market Segments, Microbiology Consumables Sales By Country France Laboratories Performing Microbiology Tests by Market Segment France Hospital Laboratories Performing Microbiology Tests by Bed Size France Commercial/Private Laboratories Performing Microbiology Tests by Annual Test Volume France All Market Segments Microbiology Specimen Volume France Hospital Laboratories Microbiology Specimen Volume France Commercial/Private Laboratories Microbiology Specimen Volume France Microbiology Test Volume by Market Segment France Microbiology Test Volume by Application France Blood Culture Test Volume by Market Segment France Microbial Identification Test Volume by Market Segment France Urine Screening Test Volume by Market Segment France Antibiotic Susceptibility Test Volume by Market Segment France Microbiology Consumables Market by Application France Microbiology Consumables Market by Market Segment France Microbial Identification Consumables Sales by Market Segment France Blood Culture Consumables Sales by Market Segment France Antibiotic Susceptibility Consumables Sales by Market Segment France Urine Screening Consumables Sales by Market Segment France All Market Segments Infectious Disease Test Volume Forecast by Assay France All Market Segments Infectious Disease Diagnostics Market Forecast by Test France Infectious Disease Blood Screening NAT Volume Forecast by Assay France Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay



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France HIV/AIDS Testing Market Diagnostics Sales by Major Supplier France HIV/Hepatitis Blood Screening NAT Market Diagnostics Sales by Major Supplier France Adenovirus Testing Market Diagnostics Sales by Major Supplier France Campylobacter Testing Market Diagnostics Sales by Major Supplier France Candida Testing Market Diagnostics Sales by Major Supplier France Chlamydia Testing Market Diagnostics Sales by Major Supplier France CMV Testing Market Diagnostics Sales by Major Supplier France Gonorrhea Testing Market Diagnostics Sales by Major Supplier France Hepatitis Testing Market Diagnostics Sales by Major Supplier France Hepatitis C Testing Market Diagnostics Sales by Major Supplier France Herpes Testing Market Diagnostics Sales by Major Supplier France Lyme Disease Testing Market Diagnostics Sales by Major Supplier France Influenza Testing Market Diagnostics Sales by Major Supplier France Meningitis Testing Market Diagnostics Sales by Major Supplier France Mononucleosis Testing Market Diagnostics Sales by Major Supplier France Mumps Testing Market Diagnostics Sales by Major Supplier France Mycoplasma Testing Market Diagnostics Sales by Major Supplier France RSV Testing Market Diagnostics Sales by Major Supplier France Rotavirus Testing Market Diagnostics Sales by Major Supplier France Rubella Testing Market Diagnostics Sales by Major Supplier France Septicemia Testing Market Diagnostics Sales by Major Supplier France Shigella Testing Market Diagnostics Sales by Major Supplier France Streptococci Testing Market Diagnostics Sales by Major Supplier France Syphilis Testing Market Diagnostics Sales by Major Supplier France Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier France Trichomonas Testing Market Diagnostics Sales by Major Supplier France Tuberculosis Testing Market Diagnostics Sales by Major Supplier France Molecular Diagnostics Market Sales and Shares of Major Suppliers Germany Laboratories Performing Microbiology Tests by Market Segment Germany Hospital Laboratories Performing Microbiology Tests by Bed Size Germany Commercial/Private Laboratories Performing Microbiology Tests by Annual **Test Volume** 

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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



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