

2019 Global Automated Microbiology Market: US, Europe, Japan--Supplier Sales and Shares by Country, Sales Segment Forecasts, Emerging Technologies, Instrumentation Review, Competitive Landscape

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Abstracts

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

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/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,

The report profiles analyzers manufactured by Abbott, Alifax, Anagen, BD,

and immunodiagnostic analyzers.



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, 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.

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 821 pages and 371 tables



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Amplification Methods

Polymerase Chain Reaction

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, and others 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

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Separation Reaction

2. Monoclonal Antibodies



- 3. Immunoassays
- 4. Differential Light Scattering
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- 6. Artificial Intelligence
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CellMark Forensics/LabCorp

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Decode

Diadexus

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DiaSorin

Eiken Chemical

Elitech Group

Enzo Biochem

Exact Sciences

Fujirebio

Grifols

Hologic/Gen-Probe

Illumina

ID Biomedical/GSK

Kreatech/Leica

Li-Cor Biosciences

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Proteome Sciences

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Microbiology Consumables Market by Market Segment

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Antibiotic Susceptibility Consumables Sales by Market Segment

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Blood Culture Consumables Sales by Market Segment

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Urine Screening Consumables Sales by Market Segment

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All Market Segments Infectious Disease Diagnostics Market Forecast by Test

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Infectious Disease Blood Screening NAT Volume Forecast by Assay

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Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

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