

2021 US Automated Microbiology Market Assessment-Supplier Shares and Strategic SWOT Analysis, Segmentation Forecasts for 100 Blood Culture, Identification, Immunodiagnostic, Molecular Dx, Susceptibility and Urine Screening Tests-Latest Technologies and Instrumentation Pipeline, Growth Opportunities, Market Barriers and Threats Tests

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Abstracts

This unique report from LeadingMarketResearch.com provides information and analysis not available from any other published source.

The report is available by section, and can be customized to specific information needs and budget.

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/immunodiagnosics, 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, 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.

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, Gonorrhoea, 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.

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Contains 436 pages and 94 tables

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Arca Biopharma
Beckman Coulter/Danaher
Becton Dickinson
Biokit

bioMerieux
Bio-Rad
Decode Genetics
Eiken Chemical
Elitech Group
Enzo Biochem
Exact Sciences
Fujirebio
Grifols
Hologic
Illumina
Leica Biosystems
Li-Cor Biosciences
Myriad Genetics
Ortho-Clinical Diagnostics
PerkinElmer
Proteome Sciences
Qiagen
Quest Diagnostics
Quidel
Roche
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Sierra Molecular
Takara Bio
Tecan Group
Thermo Fisher
Wako Chemical

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