

# 2024 Switzerland Automated Microbiology Market for over 100 Molecular, Identification, Susceptibility, Culture, Urine Screening and Immunodiagnostic Tests: Competitive Strategies, Emerging Technologies, Latest Instrumentation, Growth Opportunities

<https://marketpublishers.com/r/SE935FD556DEN.html>

Date: June 2020

Pages: 500

Price: US\$ 3,850.00 (Single User License)

ID: SE935FD556DEN

## Abstracts

This new report from LeadingMarketResearch.com examines current and emerging assays; 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 and application; profiles leading players and potential market entrants; and suggests alternative market penetration 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 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.

### Market Segmentation Analysis

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

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

### 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.

## 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 500 pages and 54 tables

## Contents

### I. MARKET 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 Semi-Automated Systems

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

#### E. Emerging Diagnostic Technologies

### II. MARKET SIZE AND GROWTH: SPECIMEN, TEST VOLUME, APPLICATION, AND SALES FORECASTS FOR 100 ASSAYS

### III. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

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

#### **V. ALTERNATIVE MARKET PENETRATION STRATEGIES**

#### **VI. POTENTIAL MARKET ENTRY BARRIERS AND RISKS**

#### **VII. COMPETITIVE ASSESSMENTS**

Abbott

Agilent Technologies

Applied Gene Technologies

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

Scienion

Sequenom/LabCorp

Shimadzu  
Siemens Healthineers  
Sierra Molecular  
Takara Bio  
Tecan Group  
Thermo Fisher  
Wako Chemical

## List Of Tables

### LIST OF TABLES

Microbiology Specimen Volume Forecast by Type  
Microbiology Test Volume Forecasts by Application  
Microbiology Consumables Market Forecast by Application  
Infectious Disease Test Volume Forecast by Assay  
Infectious Disease Diagnostics Market Forecast by Test  
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 Gonorrhoea 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

## I would like to order

Product name: 2024 Switzerland Automated Microbiology Market for over 100 Molecular, Identification, Susceptibility, Culture, Urine Screening and Immunodiagnostic Tests: Competitive Strategies, Emerging Technologies, Latest Instrumentation, Growth Opportunities

Product link: <https://marketpublishers.com/r/SE935FD556DEN.html>

Price: US\$ 3,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/SE935FD556DEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970