

# **2019 France Automated Microbiology Market: Supplier Shares and Segmentation Forecasts-Molecular Dx, Identification, Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics-Competitive Landscape, Innovative Technologies, Latest Instrumentation, Emerging Opportunities**

<https://marketpublishers.com/r/26BE75E3542EN.html>

Date: April 2019

Pages: 423

Price: US\$ 4,750.00 (Single User License)

ID: 26BE75E3542EN

## **Abstracts**

LeadingMarketResearch.com's new report is an analysis of major business opportunities emerging in the French 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 French 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/immunodiagnostics, 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, 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/Erba, 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.

Potential market entry barriers and risks.

Contains 423 pages and 81 tables

## Contents

### I. WORLDWIDE MARKET AND TECHNOLOGY 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 Semiautomated Systems

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

#### E. Emerging D

- 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

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

Separation

Reaction

Detection

2. Monoclonal Antibodies

3. Immunoassays

4. Differential Light Scattering

5. Information Technology
6. Artificial Intelligence
7. Liposomes
8. Flow Cytometry
9. Chromatography
10. Diagnostic Imaging
11. Gel Microdroplets
12. Other

## **II. FRANCE**

- A. Business Environment
- B. Market Structure
- C. Market Size, Growth and Major Supplier Sales and Market Shares

## **III. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES**

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

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

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies for Decentralized Testing Markets
  1. Marketing Approaches
  2. Product Complexity
  3. Customer Preference
  4. Established Suppliers
  5. Emerging Suppliers
  6. Major Types of Distributors
  7. Market Segmentation

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

- A. Market Maturity
- B. Cost Containment
- C. Competition
- D. Technological Edge and Limitations



- E. Patent Protection
- F. Regulatory Constraints
- G. Decentralized Testing Market Challenges

## **VIII. COMPETITIVE ASSESSMENTS**

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

Proteome Sciences

Qiagen

Roche

Scienion

Sequenom

SeraCare

Siemens

Sierra Molecular

Shimadzu

Takara Bio

Tecan

Thermo Fisher

Wallac/PE

Wako

## List Of Tables

### LIST OF TABLES

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 Gonorrhea 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  
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

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

## I would like to order

Product name: 2019 France Automated Microbiology Market: Supplier Shares and Segmentation  
Forecasts-Molecular Dx, Identification, Susceptibility, Blood Culture, Urine Screening,  
Immunodiagnosics-Competitive Landscape, Innovative Technologies, Latest  
Instrumentation, Emerging Opportunities

Product link: <https://marketpublishers.com/r/26BE75E3542EN.html>

Price: US\$ 4,750.00 (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/26BE75E3542EN.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