

2024 North America Automated Microbiology Market for over 100 Molecular, Identification, Susceptibility, Culture, Urine Screening and Immunodiagnostic Tests: Canada, Mexico, USA-Competitive Strategies, Emerging Technologies, Latest Instrumentation, Growth Opportunities

<https://marketpublishers.com/r/247FC20D147EN.html>

Date: June 2020

Pages: 455

Price: US\$ 9,850.00 (Single User License)

ID: 247FC20D147EN

Abstracts

This new 3-country report from LeadingMarketResearch.com is available by country, market segment, section, or individual test.

The survey is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the 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 100 molecular diagnostic, microbial identification, antibiotic susceptibility, blood culture, urine screening and immunodiagnostic procedures; 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 3-country survey 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.

Country Analyses

Canada, Mexico, USA

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 marketed by Abbott, Alifax, BD, Beckman Coulter/Danaher, Biolog, bioMerieux, Bio-Rad, Cepheid, Curetis, GenMark, Hologic, HTG, Labsystems, Qiagen, Roche, Siemens Healthineers, Sy-Lab, Sysmex, Tecan, Thermo Fisher, Tosoh and other suppliers.

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.

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 over 455 pages and 108 tables

Contents

I. INTRODUCTION

II. AUTOMATED MICROBIOLOGY MARKET BUSINESS ENVIRONMENT

III. NEW PRODUCT DEVELOPMENT OPPORTUNITIES

IV. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

V. ALTERNATIVE MARKET PENETRATION STRATEGIES

VI. POTENTIAL MARKET ENTRY BARRIERS AND RISKS

VII. MARKET AND TECHNOLOGY OVERVIEW

A. Introduction

1. Major Factors Affecting Market Penetration for 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 Automated and Semi-automated Microbiology Systems
 - 1. Multiple Purpose Microbiology Systems
 - 2. Specialized Microbiology Systems
 - 3. Molecular Diagnostic Systems
 - 4. Immunodiagnostic Systems
- E. Emerging Diagnostic Technologies
 - 1. Molecular Diagnostics (Amplification Methods, Sequencing, Microarrays/Biochips)
 - a. DNA Sequencing
 - b. DNA and RNA Probe Technologies
 - c. Detection Technologies
 - d. Biochips: Genosensors, Microarrays, Labs-on-the-Chip
 - 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

VIII. COUNTRY ANALYSES: SALES AND VOLUME FORECASTS FOR 100 MOLECULAR DIAGNOSTIC, MICROBIAL IDENTIFICATION, ANTIBIOTIC SUSCEPTIBILITY, BLOOD CULTURE, URINE SCREENING, AND IMMUNODIAGNOSTIC TESTS, SUPPLIER SHARES

Canada
Mexico
USA

IX. 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

Canada

Microbiology Specimen Volume Forecast by Type

Canada

Microbiology Test Volume Forecasts by Application

Canada

Microbiology Consumables Market Forecast by Application

Canada

Infectious Disease Test Volume Forecast by Assay

Canada

Infectious Disease Diagnostics Market Forecast by Test

Canada

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Canada

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Mexico

Microbiology Specimen Volume Forecast by Type

Mexico

Microbiology Test Volume Forecasts by Application

Mexico

Microbiology Consumables Market Forecast by Application

Mexico

Infectious Disease Test Volume Forecast by Assay

Mexico

Infectious Disease Diagnostics Market Forecast by Test

Mexico

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Mexico

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

U.S.A.

Laboratories Performing Microbiology Tests by Market Segment

U.S.A.

Hospital Laboratories Performing Microbiology Tests by Bed Size

U.S.A.

Commercial/Private Laboratories Performing Microbiology Tests by Annual Test Volume

U.S.A.

All Market Segments Microbiology Specimen Volume
U.S.A.
Hospital Laboratories Microbiology Specimen Volume
U.S.A.
Physician Offices/Group Practices Microbiology Specimen Volume
U.S.A.
Public Health Laboratories Microbiology Specimen Volume
U.S.A.
Commercial/Private Laboratories Microbiology Specimen Volume
U.S.A.
Microbiology Test Volume by Market Segment
U.S.A.
Microbiology Test Volume by Application
U.S.A.
Microbial Identification Test Volume by Market Segment
U.S.A.
Urine Screening Test Volume by Market Segment
U.S.A.
Blood Culture Test Volume by Market Segment
U.S.A.
Antibiotic Susceptibility Test Volume by Market Segment
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
U.S.A.

Rotavirus Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Rubella Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Salmonella Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Septicemia Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Shigella Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Streptococci Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Syphilis Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier
U.S.A.

Tuberculosis Testing Market Diagnostics Sales by Major Supplier

U.S.A.

Molecular Diagnostics Market Sales and Shares of Major Suppliers
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 North America Automated Microbiology Market for over 100 Molecular, Identification, Susceptibility, Culture, Urine Screening and Immunodiagnostic Tests: Canada, Mexico, USA-Competitive Strategies, Emerging Technologies, Latest Instrumentation, Growth Opportunities

Product link: <https://marketpublishers.com/r/247FC20D147EN.html>

Price: US\$ 9,850.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/247FC20D147EN.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