

Table of Contents and List of Tables



Over 1,000 corporations in 70 countries are relying on our market intelligence, expert analysis, and strategic insight, critical to the development and implementation of effective business, R&D and marketing programs.

www.LeadingMarketResearch.com

www.VPGMarketResearch.com

reports@vpgcorp.com

+1 212 564 2838

Table of 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

Table of Contents (continued)

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. 22-Country Analyses: Sales and Volume Forecasts for 100 Molecular Diagnostic, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, and Immunodiagnostic Tests, Supplier Shares

Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Puerto Rico, Uruguay, Venezuela

IX. Competitive Assessments

- Abbott Laboratories
- Agilent Technologies
- Beckman Coulter/Danaher
- bioMerieux
- Bio-Rad
- DiaSorin
- Eiken Chemical
- Fujifilm Wako
- Fujirebio
- Grifols
- Instrumentation Laboratory/Werfen
- Kyowa Medex
- OrthoQuidel
- PerkinElmer
- Quest Diagnostics
- Roche
- Siemens Healthineers
- Sysmex
- Thermo Fisher
- Tosoh

List of Tables

Argentina

Microbiology Specimen Volume Forecast by Type

Argentina

Microbiology Test Volume Forecasts by Application

Argentina

Microbiology Consumables Market Forecast by Application

Argentina

Infectious Disease Test Volume Forecast by Assay

Argentina

Infectious Disease Diagnostics Market Forecast by Test

Argentina

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Argentina

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Bolivia

Microbiology Specimen Volume Forecast by Type

Bolivia

Microbiology Test Volume Forecasts by Application

Bolivia

Microbiology Consumables Market Forecast by Application

Bolivia

Infectious Disease Test Volume Forecast by Assay

Bolivia

Infectious Disease Diagnostics Market Forecast by Test

Bolivia

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Bolivia

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Brazil

Microbiology Specimen Volume Forecast by Type

Brazil

Microbiology Test Volume Forecasts by Application

List of Tables (continued)

Brazil
Microbiology Consumables Market Forecast by Application

Brazil
Infectious Disease Test Volume Forecast by Assay

Brazil
Infectious Disease Diagnostics Market Forecast by Test

Brazil
Infectious Disease Blood Screening NAT Volume Forecast by Assay

Brazil
Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Chile
Microbiology Specimen Volume Forecast by Type

Chile
Microbiology Test Volume Forecasts by Application

Chile
Microbiology Consumables Market Forecast by Application

Chile
Infectious Disease Test Volume Forecast by Assay

Chile
Infectious Disease Diagnostics Market Forecast by Test

Chile
Infectious Disease Blood Screening NAT Volume Forecast by Assay

Chile
Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Colombia
Microbiology Specimen Volume Forecast by Type

Colombia
Microbiology Test Volume Forecasts by Application

Colombia
Microbiology Consumables Market Forecast by Application

Colombia
Infectious Disease Test Volume Forecast by Assay

List of Tables (continued)

Colombia

Infectious Disease Diagnostics Market Forecast by Test

Colombia

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Colombia

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Costa Rica

Microbiology Specimen Volume Forecast by Type

Costa Rica

Microbiology Test Volume Forecasts by Application

Costa Rica

Microbiology Consumables Market Forecast by Application

Costa Rica

Infectious Disease Test Volume Forecast by Assay

Costa Rica

Infectious Disease Diagnostics Market Forecast by Test

Costa Rica

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Costa Rica

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Cuba

Microbiology Specimen Volume Forecast by Type

Cuba

Microbiology Test Volume Forecasts by Application

Cuba

Microbiology Consumables Market Forecast by Application

Cuba

Infectious Disease Test Volume Forecast by Assay

Cuba

Infectious Disease Diagnostics Market Forecast by Test

Cuba

Infectious Disease Blood Screening NAT Volume Forecast by Assay

List of Tables (continued)

Cuba

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Dominican Republic

Microbiology Specimen Volume Forecast by Type

Dominican Republic

Microbiology Test Volume Forecasts by Application

Dominican Republic

Microbiology Consumables Market Forecast by Application

Dominican Republic

Infectious Disease Test Volume Forecast by Assay

Dominican Republic

Infectious Disease Diagnostics Market Forecast by Test

Dominican Republic

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Dominican Republic

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Ecuador

Microbiology Specimen Volume Forecast by Type

Ecuador

Microbiology Test Volume Forecasts by Application

Ecuador

Microbiology Consumables Market Forecast by Application

Ecuador

Infectious Disease Test Volume Forecast by Assay

Ecuador

Infectious Disease Diagnostics Market Forecast by Test

Ecuador

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Ecuador

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

El Salvador

Microbiology Specimen Volume Forecast by Type

List of Tables (continued)

El Salvador
Microbiology Test Volume Forecasts by Application

El Salvador
Microbiology Consumables Market Forecast by Application

El Salvador
Infectious Disease Test Volume Forecast by Assay

El Salvador
Infectious Disease Diagnostics Market Forecast by Test

El Salvador
Infectious Disease Blood Screening NAT Volume Forecast by Assay

El Salvador
Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Guatemala
Microbiology Specimen Volume Forecast by Type

Guatemala
Microbiology Test Volume Forecasts by Application

Guatemala
Microbiology Consumables Market Forecast by Application

Guatemala
Infectious Disease Test Volume Forecast by Assay

Guatemala
Infectious Disease Diagnostics Market Forecast by Test

Guatemala
Infectious Disease Blood Screening NAT Volume Forecast by Assay

Guatemala
Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Haiti
Microbiology Specimen Volume Forecast by Type

Haiti
Microbiology Test Volume Forecasts by Application

Haiti
Microbiology Consumables Market Forecast by Application

List of Tables (continued)

Haiti

Infectious Disease Test Volume Forecast by Assay

Haiti

Infectious Disease Diagnostics Market Forecast by Test

Haiti

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Haiti

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Honduras

Microbiology Specimen Volume Forecast by Type

Honduras

Microbiology Test Volume Forecasts by Application

Honduras

Microbiology Consumables Market Forecast by Application

Honduras

Infectious Disease Test Volume Forecast by Assay

Honduras

Infectious Disease Diagnostics Market Forecast by Test

Honduras

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Honduras

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Jamaica

Microbiology Specimen Volume Forecast by Type

Jamaica

Microbiology Test Volume Forecasts by Application

Jamaica

Microbiology Consumables Market Forecast by Application

Jamaica

Infectious Disease Test Volume Forecast by Assay

Jamaica

Infectious Disease Diagnostics Market Forecast by Test

List of Tables (continued)

Jamaica

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Jamaica

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

Nicaragua

Microbiology Specimen Volume Forecast by Type

Nicaragua

Microbiology Test Volume Forecasts by Application

Nicaragua

Microbiology Consumables Market Forecast by Application

Nicaragua

Infectious Disease Test Volume Forecast by Assay

Nicaragua

Infectious Disease Diagnostics Market Forecast by Test

Nicaragua

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Nicaragua

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

List of Tables (continued)

Panama

Microbiology Specimen Volume Forecast by Type

Panama

Microbiology Test Volume Forecasts by Application

Panama

Microbiology Consumables Market Forecast by Application

Panama

Infectious Disease Test Volume Forecast by Assay

Panama

Infectious Disease Diagnostics Market Forecast by Test

Panama

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Panama

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Paraguay

Microbiology Specimen Volume Forecast by Type

Paraguay

Microbiology Test Volume Forecasts by Application

Paraguay

Microbiology Consumables Market Forecast by Application

Paraguay

Infectious Disease Test Volume Forecast by Assay

Paraguay

Infectious Disease Diagnostics Market Forecast by Test

Paraguay

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Paraguay

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Peru

Microbiology Specimen Volume Forecast by Type

Peru

Microbiology Test Volume Forecasts by Application

List of Tables (continued)

Peru
Microbiology Consumables Market Forecast by Application

Peru
Infectious Disease Test Volume Forecast by Assay

Peru
Infectious Disease Diagnostics Market Forecast by Test

Peru
Infectious Disease Blood Screening NAT Volume Forecast by Assay

Peru
Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Puerto Rico
Microbiology Specimen Volume Forecast by Type

Puerto Rico
Microbiology Test Volume Forecasts by Application

Puerto Rico
Microbiology Consumables Market Forecast by Application

Puerto Rico
Infectious Disease Test Volume Forecast by Assay

Puerto Rico
Infectious Disease Diagnostics Market Forecast by Test

Puerto Rico
Infectious Disease Blood Screening NAT Volume Forecast by Assay

Puerto Rico
Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Uruguay
Microbiology Specimen Volume Forecast by Type

Uruguay
Microbiology Test Volume Forecasts by Application

Uruguay
Microbiology Consumables Market Forecast by Application

Uruguay
Infectious Disease Test Volume Forecast by Assay

List of Tables (continued)

Uruguay

Infectious Disease Diagnostics Market Forecast by Test

Uruguay

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Uruguay

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

Venezuela

Microbiology Specimen Volume Forecast by Type

Venezuela

Microbiology Test Volume Forecasts by Application

Venezuela

Microbiology Consumables Market Forecast by Application

Venezuela

Infectious Disease Test Volume Forecast by Assay

Venezuela

Infectious Disease Diagnostics Market Forecast by Test

Venezuela

Infectious Disease Blood Screening NAT Volume Forecast by Assay

Venezuela

Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay

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

List of Tables (continued)

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

List of Tables (continued)

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