+44 20 8123 2220
info@marketpublishers.com

2017-2021 Italy Automated Microbiology Market: Molecular Diagnostics, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics--Supplier Shares and Strategies, Volume and Sales Segment Forecasts

https://marketpublishers.com/r/I4963DD10D2EN.html
Date: February 2017
Pages: 417
Price: US$ 6,255.00 (Single User License)
ID: I4963DD10D2EN

Abstracts

Complete report $6,950. DataPack (test volumes, sales forecasts, supplier shares) $4,500.

VPGMarketResearch.com's new report is an analysis of major business opportunities emerging in the Italian 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 Italian 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, Alifax, Anagen, BD, Beckman Coulter/Danaher, Biochem, Biolog, bioMerieux, Bio-Rad, Biotrol, Cepheid, Curetis, GenMark, Hologic/Gen-Probe, HTG, Iris, J&J, Labsystems, Life Technologies, MiDI, Olympus, Qiagen, Roche, Siemens, Sy-Lab, Sysmex, Tecan, Thermo Fisher, Tosoh.

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.

+44 20 8123 2220
info@marketpublishers.com

Design criteria for decentralized testing products.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Contains 417 pages and 75 tables

+44 20 8123 2220
info@marketpublishers.com

Contents

1. 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 Diagnostic Technologies
1. MOLECULAR DIAGNOSTICS
a. DNA Sequencing
Introduction

Sequencing Methods
Autoradiography
The Human Genome Project
Sequencing Automation
Image Scanners
Fluorescent Detection
Gene Profiling
Gene Expression
Polymorphism Screening
Protein Interaction Networks
b. DNA And RNA Probe Technology
Basic Principles
Probe Preparation
The DNA Probe Test
Sample Preparation
Hybridization
Separation
Detection/Measurement
Test Formats
Filter Hybridization
Southern Blot
Northern Blot
In Situ Hybridization
Others
Labeling Techniques
Amplification Methods
Polymerase Chain Reaction
Temperature Cyclers
PCR Variations
ImmunoPCR
QCPCR
DAPPCR
Strand Displacement Activation
TMA
Ligase Chain Reaction
Branched DNA
Hybridization Protection Assay
NucleicAcid SequenceBased Amplification
SelfSustained Sequence Replicase

Others
Ampliprobe
CAR
CAS
CPT
Dendritic Polymer Technology
ISOCR
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
S
H
I
NonIsotopic Methods
Enzymatic Labels
Chemical Labeling
Indirect Chemical Labeling
Direct Chemical Labeling
Fluorescence
Chemiluminescence
Electrical Conductivity
d. Biochips: Genosensors, Microarrays, and LabsontheChip
Liquid Transportation and Mixing
Separation
Reaction
Detection
2. MONOCLONAL ANTIBODIES
3. IMMUNOASSAYS

+44 20 8123 2220
info@marketpublishers.com

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

2. ITALY

A. BUSINESS ENVIRONMENT
B. MARKET STRUCTURE
C. Market Size, Growth and Major Supplier Sales and Market Shares

3. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

4. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

5. 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

7. 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

8. COMPETITIVE ASSESSMENTS

Abbott
Affymetrix
Agilent Technologies
Applied Gene Technologies
Arca Biopharma
Beckman Coulter/Danaher
Becton Dickinson
Biokit
bioMerieux
BioRad
Biotest
Cepheid
CellMark Forensics/Lab Corp
Decode Genetics
Diadexus
Diamedix/Erba
DiaSorin
Eiken Chemical
Elitech Group
Enz-Biochem
Exact Sciences
Fujirebio
Grifols
Hologic/GenProbe
Illumina
ID Biomedical/GSK
Kreatech/Leica
LiCor Biosciences
Lonza
Monogram Biosciences
Myriad Genetics
OrthoClinical Diagnostics

+44 20 8123 2220
info@marketpublishers.com

Perkin Elmer/Caliper
Proteome Sciences
Qiagen
Roche
Scienion
Sequenom
SeraCare
Siemens
Sierra Molecular
Shimadzu
Takara Bio
Tecan
Therm-Fisher
Wallac/PE
Wako

+44 20 8123 2220
info@marketpublishers.com

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
Italy Laboratories Performing Microbiology Tests by Market Segment
Italy Hospital Laboratories Performing Microbiology Tests by Bed Size
Italy Commercial/Private Laboratories Performing Microbiology Tests by Annual Test Volume
Italy All Market Segments Microbiology Specimen Volume
Italy Hospital Laboratories Microbiology Specimen Volume
Italy Commercial/Private Laboratories Microbiology Specimen Volume
Italy Microbiology Test Volume by Market Segment
Italy Microbiology Test Volume by Application
Italy Microbial Identification Test Volume by Market Segment
Italy Urine Screening Test Volume by Market Segment
Italy Antibiotic Susceptibility Test Volume by Market Segment
Italy Blood Culture Test Volume by Market Segment
Italy Microbiology Consumables Market by Application
Italy Microbiology Consumables Market by Market Segment
Italy Microbial Identification Consumables Sales by Market Segment
Italy Antibiotic Susceptibility Consumables Sales by Market Segment
Italy Blood Culture Consumables Sales by Market Segment
Italy Urine Screening Consumables Sales by Market Segment
Italy All Market Segments Infectious Disease Test Volume Forecast by Assay
Italy All Market Segments Infectious Disease Diagnostics Market Forecast by Test
Italy Infectious Disease Blood Screening NAT Volume Forecast by Assay
Italy Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Italy HIV/AIDS Testing Market Diagnostics Sales by Major Supplier
Italy HIV/Hepatitis Blood Screening NAT Market Diagnostics Sales by Major Supplier
Italy Campylobacter Testing Market Diagnostics Sales by Major Supplier
Italy Candida Testing Market Diagnostics Sales by Major Supplier

+44 20 8123 2220
info@marketpublishers.com

Italy CMV Testing Market Diagnostics Sales by Major Supplier
Italy Gonorrhea Testing Market Diagnostics Sales by Major Supplier
Italy Hepatitis Testing Market Diagnostics Sales by Major Supplier
Italy Hepatitis C Testing Market Diagnostics Sales by Major Supplier
Italy Herpes Testing Market Diagnostics Sales by Major Supplier
Italy Influenza Testing Market Diagnostics Sales by Major Supplier
Italy Meningitis Testing Market Diagnostics Sales by Major Supplier
Italy Mononucleosis Testing Market Diagnostics Sales by Major Supplier
Italy Mycoplasma Testing Market Diagnostics Sales by Major Supplier
Italy RSV Testing Market Diagnostics Sales by Major Supplier
Italy Rotavirus Testing Market Diagnostics Sales by Major Supplier
Italy Rubella Testing Market Diagnostics Sales by Major Supplier
Italy Septicemia Testing Market Diagnostics Sales by Major Supplier
Italy Streptococci Testing Market Diagnostics Sales by Major Supplier
Italy Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier
Italy Trichomonas Testing Market Diagnostics Sales by Major Supplier
Italy Tuberculosis Testing Market Diagnostics Sales by Major Supplier
Italy Molecular Diagnostics Market Sales and Shares of Major Suppliers

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: 2017-2021 Italy Automated Microbiology Market: Molecular Diagnostics, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics--Supplier Shares and Strategies, Volume and Sales Segment Forecasts

Product link: https://marketpublishers.com/r/I4963DD10D2EN.html

Price: US$ 6,255.00 (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/I4963DD10D2EN.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

Custumer signature _____

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

+44 20 8123 2220
info@marketpublishers.com

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