+44 20 8123 2220
info@marketpublishers.com

2015-2019 New Frontiers in the German Automated Microbiology Market: Business Challenges, Emerging Technologies, Competitive Landscape

https://marketpublishers.com/r/28516AD455FEN.html
Date: August 2015
Pages: 420
Price: US$ 5,560.00 (Single User License)
ID: 28516AD455FEN

Abstracts

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

2015-2019 New Frontiers in the German Automated Microbiology Market: Business Challenges, Emerging Technologies, Competitive Land scape is VPGMarketResearch's new analysis of the major business opportunities emerging in the automated microbiology market during the next five years. The report examines key trends in the German automated microbiology market; 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 expand ing microbiology market, in evaluating emerging opportunities and developing effective business strategies.

Supplier Shares, Sales and Volume Forecasts

Sales and market shares of major suppliers of microbiology products, by individual test.

Five-year test volume and sales forecasts for over 100 microbiology assays.

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

Germany Market Overview

Review of the market dynamics, trends, structure, size, growth and major suppliers.

Estimated universe of laboratories performing microbiology testing.

Specimen, test volume and sales forecasts.

Business 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.

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 features 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, Cand ida, 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 and others.

Technology Assessment

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 Strategies

Strategic assessments of major suppliers and start-up firms developing innovative technologies and products, including their sales, product portfolios, marketing tactics, collaborative arrangements, and new products in R&D.

+44 20 8123 2220
info@marketpublishers.com

The companies analyzed in the report include:

Abbott

Affymetrix

Agilent Technologies

Applied Gene Technologies

Arca Biopharma

Beckman Coulter/Danaher

Becton Dickinson

Biokit

bioMerieux

Bio-Rad

Biotest

Cepheid

CellMark Forensics/LabCorp

Decode Genetics

Diadexus

Diamedix

DiaSorin

Eiken Chemical

+44 20 8123 2220
info@marketpublishers.com

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

+44 20 8123 2220
info@marketpublishers.com

Sequenom

SeraCare

Siemens

Sierra Molecular

Shimadzu

Takara Bio

Tecan

Thermo Fisher

Wallac/PE

Wako

Contains 420 pages and 78 tables

+44 20 8123 2220
info@marketpublishers.com

Contents

I. Introduction

II. Worldwide Market an
d 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 (Amplification Methods, Sequencing, Microarrays/Biochips)
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
Immuno-PCR
QC-PCR
DAP-PCR
Strand Displacement Activation
TMA
Ligase Chain Reaction
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

+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

III. Germany A. Business Environment

B. Market Structure
C. Market Size, Growth and Major Supplier Sales and Market Shares

IV. Major Product Development Opportunities

V. Design Criteria for Decentralized Testing Products

VI. 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/Nuvelo
Beckman Coulter/Danaher
Becton Dickinson
Biokit
bioMerieux
Bio-Rad
Biotest
Caliper
Cepheid
Decode
Diadexus
Diamedix
DiaSorin
Eiken Chemical
Enzo Biochem
Exact Sciences
Fujirebio/Innogenetics
Hologic/Gen-Probe
Illumina
ID Biomedical/GSK
Kreatech
Li-Cor Biosciences
Lonza
Monogram Biosciences
Myriad Genetics
Nanogen/Elitech
Novartis Diagnostics/Grifols
Orchid CellMark
Ortho-Clinical Diagnostics

+44 20 8123 2220
info@marketpublishers.com

Proteome Sciences
Qiagen
Roche
Scienion
Sequenom
SeraCare
Siemens
Sierra Molecular
Shimadzu
Takara Bio
Tecan
Thermo Fisher/Life Technologies
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
Germany Laboratories Performing Microbiology Tests by Market Segment
Germany Hospital Laboratories Performing Microbiology Tests by Bed Size
Germany Commercial/Private Laboratories Performing Microbiology Tests by Annual Test Volume
Germany All Market Segments Microbiology Specimen Volume
Germany Hospital Laboratories Microbiology Specimen Volume
Germany Commercial/Private Laboratories Microbiology Specimen Volume
Germany Microbiology Test Volume by Market Segment
Germany Microbiology Test Volume by Application
Germany Urine Screening Test Volume by Market Segment
Germany Microbial Identification Test Volume by Market Segment
Germany Antibiotic Susceptibility Test Volume by Market Segment
Germany Blood Culture Test Volume by Market Segment
Germany Microbiology Consumables Market by Application
Germany Microbiology Consumables Market by Market Segment
Germany Microbial Identification Consumables Sales by Market Segment
Germany Antibiotic Susceptibility Consumables Sales by Market Segment
Germany Blood Culture Consumables Sales by Market Segment
Germany Urine Screening Consumables Sales by Market Segment
Germany All Market Segments Infectious Disease Test Volume Forecast by Assay
Germany All Market Segments Infectious Disease Diagnostics Market Forecast by Test
Germany Infectious Disease Blood Screening NAT Volume Forecast by Assay
Germany Infectious Disease Blood Screening NAT Reagent Market Forecast by Assay
Germany HIV/AIDS Testing Market Diagnostics Sales by Major Supplier
Germany HIV/Hepatitis Blood Screening NAT Market Diagnostics Sales by Major Supplier
Germany Campylobacter Testing Market Diagnostics Sales by Major Supplier

+44 20 8123 2220
info@marketpublishers.com

Germany Candida Testing Market Diagnostics Sales by Major Supplier
Germany CMV Testing Market Diagnostics Sales by Major Supplier
Germany EBV Testing Market Diagnostics Sales by Major Supplier
Germany Gonorrhea Testing Market Diagnostics Sales by Major Supplier
Germany Hepatitis Testing Market Diagnostics Sales by Major Supplier
Germany Hepatitis C Testing Market Diagnostics Sales by Major Supplier
Germany Herpes Testing Market Diagnostics Sales by Major Supplier
Germany Influenza Testing Market Diagnostics Sales by Major Supplier
Germany Legionella Testing Market Diagnostics Sales by Major Supplier
Germany Meningitis Testing Market Diagnostics Sales by Major Supplier
Germany Mononucleosis Testing Market Diagnostics Sales by Major Supplier
Germany Mycoplasma Testing Market Diagnostics Sales by Major Supplier
Germany Pneumonia Testing Market Diagnostics Sales by Major Supplier
Germany RSV Testing Market Diagnostics Sales Forecast by Major Supplier
Germany Rotavirus Testing Market Diagnostics Sales by Major Supplier
Germany Rubella Testing Market Diagnostics Sales by Major Supplier
Germany Septicemia Testing Market Diagnostics Sales by MajorSupplier
Germany Streptococci Testing Market Diagnostics Sales by Major Supplier
Germany Toxoplasmosis Testing Market Diagnostics Sales by Major Supplier
Germany Trichomonas Testing Market Diagnostics Sales by Major Supplier
Germany Tuberculosis Testing Market Diagnostics Sales by Major Supplier
Germany Molecular Diagnostics Market Sales and Shares of Major Suppliers

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: 2015-2019 New Frontiers in the German Automated Microbiology Market: Business Challenges, Emerging Technologies, Competitive Landscape

Product link: https://marketpublishers.com/r/28516AD455FEN.html

Price: US$ 5,560.00 (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/28516AD455FEN.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

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

+44 20 8123 2220
info@marketpublishers.com