

2016-2020 Germany Microbiology Analyzers and Consumables Market: Molecular Diagnostics, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics-Supplier Shares, Country Segment Forecasts, Competitive Strategies, Innovative Technologies, Instrumentation Review

https://marketpublishers.com/r/2792B2713C7EN.html

Date: March 2016

Pages: 420

Price: US\$ 5,560.00 (Single User License)

ID: 2792B2713C7EN

# **Abstracts**

VPGMarketResearch.com's new report is an analysis of major business opportunities emerging in the German 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.



# **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 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** 

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
- 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. GERMANY**

- 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 Biopharma

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

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



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



# I would like to order

Product name: 2016-2020 Germany Microbiology Analyzers and Consumables Market: Molecular

Diagnostics, Microbial Identification, Antibiotic Susceptibility, Blood Culture, Urine Screening, Immunodiagnostics-Supplier Shares, Country Segment Forecasts, Competitive Strategies, Innovative Technologies, Instrumentation Review

Product link: https://marketpublishers.com/r/2792B2713C7EN.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**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/2792B2713C7EN.html">https://marketpublishers.com/r/2792B2713C7EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

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 <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>



To place an order via fax simply print this form, fill in the information below and fax the completed form to  $+44\ 20\ 7900\ 3970$