

# 2019 Germany Infectious Disease Molecular Diagnostics Market: Supplier Shares by Test, Volume and Sales Segment Forecasts, Competitive Strategies, Innovative Technologies, Instrumentation Review

<https://marketpublishers.com/r/2897FF883FCEN.html>

Date: April 2019

Pages: 980

Price: US\$ 3,500.00 (Single User License)

ID: 2897FF883FCEN

## Abstracts

This new study from LeadingMarketResearch.com contains 980 pages, 55 tables, and is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the infectious disease molecular diagnostics market during the next five years.

### Report Highlights

Business and technological trends in major markets

Five-year test volume and sales forecasts

Market shares of leading competitors

Feature comparison of major analyzers

Strategic profiles of leading market players and start-up firms developing innovative products

Specific product and business opportunities for instrument and consumable suppliers.

### Rationale

The infectious disease molecular diagnostics market is one of the most rapidly growing segment of the in vitro diagnostics industry. The next five years will witness significant developments in reagent systems and automation, as well as introduction of a wide range of new products that will require innovative marketing approaches. The rate of market penetration into routine clinical laboratories, however, will depend on the introduction of cost-effective and automated systems with amplification methods.

In order to successfully capitalize on the opportunities presented by the infectious disease molecular diagnostics market, many companies are already exploiting new molecular Technologies as corporate strategic assets, managed in support of business and marketing strategies. Integrating new technology planning with business and corporate strategies will be one of the most challenging tasks for diagnostic companies during the next five years.

### German Market Overview

Laboratories performing DNA sequencing and molecular diagnostic testing for infectious diseases by market segment.

Five-year test volume and sales projections.

### Market Segmentation Analysis

Sales and market shares of leading suppliers of infectious disease molecular diagnostic reagent kits and components.

Five-year test volume and sales projections for over 40 infectious disease molecular diagnostic assays.

A comprehensive analysis of the sequencing market by country and laboratory segment.

Detailed market segmentation analysis, including review of the market dynamics, trends, structure, size, growth and major suppliers.

### Product/Technology Review

Comparison of leading infectious disease molecular diagnostic analyzers.

Extensive review of molecular diagnostic Technologies, test formats, detection methodologies, trends in testing automation and over target/signal amplification methods.

Worldwide listings of companies, universities and research centers developing new molecular diagnostic Technologies and products.

### Competitive Assessments

Extensive strategic assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, collaborative arrangements and new Technologies/products in R&D.

Comprehensive listings of companies developing and marketing infectious disease molecular

Diagnostic products, by test and application.

### Opportunities and Strategic Recommendations

Specific new product development opportunities with potentially significant market appeal during the next five years.

Design criteria for new products.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Business planning issues and concerns.

Contains 980 pages and 55 tables

## Contents

### **I. INTRODUCTION**

### **II. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES**

- A. Instrumentation
- B. Reagent Kits and Test Systems/panels
- C. Computers, Software and Automation
- D. Auxiliary Products

### **III. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS**

### **IV. ALTERNATIVE MARKET PENETRATION STRATEGIES**

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies For Decentralized Testing Markets

### **V. 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

### **VI. WORLDWIDE MARKET AND TECHNOLOGY REVIEW**

- A. DNA Sequencing
  - 1. Introduction
  - 2. Sequencing Methods
  - 3. Autoradiography
  - 4. The Human Genome Project
  - 5. Sequencing Automation
  - 6. Image Scanners

7. Fluorescent Detection
  8. Gene Profiling
  9. Gene Expression
  10. Polymorphism Screening
  11. Protein Interaction Networks
- B. DNA and RNA Probe Technologies**
1. Basic Principles
  2. Probe Preparation
  3. The DNA Probe Test
  4. Test Formats
  5. Labeling Techniques
  6. Amplification Methods
- C. Detection Technologies**
1. Radioactive Methods
    - a. Overview
    - b. Major Isotopes
      - P-32
      - S-35
      - H-3
      - I-125
  2. Non-Isotopic Methods
    - a. Enzymatic Labels
    - b. Chemical Labeling
      - Indirect Chemical Labeling
      - Direct Chemical Labeling
    - c. Fluorescence
    - d. Chemiluminescence
    - e. Electrical Conductivity
- D. Molecular Diagnostic Instrumentation Review**
1. Abbott LCx
  2. Beckman Coulter/Biomek FK
  3. BD Viper System with XTR Technology
  4. BD Innova
  5. Becton Dickinson SDA
  6. bioMerieux NucliSENS easyMAG
  7. bioMerieux NucliSENS easyQ and MiniMAG
  8. Bio-Rad GeneScope
  9. Cepheid GeneXpert
  10. Curetis Unyvero

11. GenMark Dx eSensor XT-8
  12. Hologic/Gen-Probe Panther
  13. Hologic/Gen-Probe Tigris/DTS
  14. HTG Molecular Edge
  15. Life Technologies QuantStudio Dx
  16. Qiagen QIA Symphony RGQ
  17. Roche Cobas Amplicor
  18. Roche Cobas TaqMan
  19. Roche Cobas TaqMan
  20. Roche Cobas TaqMan AmpliPrep
  21. Roche LighCycler
  22. Roche Cobas 4800
  23. Roche Cobas s
  24. Siemens Versant
  25. Tecan LS Series
- E. Biochips: Genosensors, Microarrays, and Labs-on-the-Chip
- Liquid Transportation and Mixing
  - Separation
  - Reaction
  - Detection
- F. Pharmacogenomics
- G. Major Applications, Microbiology/Infectious Diseases
- a. Overview
  - b. Major Infectious Diseases
    - AIDS: HIV/HIV-1/2/Combo, HIVAg/HIV NAT, Western Blot, HTLV-I/II
    - Adenovirus
    - Aeromonas
    - Anthrax/Bacillus Anthracis
    - Arboviruses
    - Babesiosis
    - Bacillary Epithelioid Angiomatosis (BEA) and Other Bartonella (Rochalimaea)
    - Blastocystis Hominis
    - Brucella
    - Campylobacter
    - Candida
    - Chagas Disease
    - Chancroid
    - Chlamydia
    - Clostridium Difficile

Coronaviruses  
Coxsackieviruses  
Creutzfeldt-Jakob's Disease  
Cryptosporidium Parvum  
Cyclospora Cayetanensis  
Cytomegalovirus  
Ebola Virus  
E. Coli  
EchoVirus  
Encephalitis  
Enteroviruses  
Epstein-Barr Virus  
Giardia Lamblia  
Gonorrhea  
Granuloma Inguinale  
Hantavirus  
Helicobacter Pylori  
Hepatitis: HAV NAT, HBV NAT, HBs Ag, HCV, HCV NAT, Anti-HBc, Anti-HBs, Anti-HAV, Hepatitis Delta, HBc Ag, HBe Ag, ALT/SGPT  
Herpes Simplex Virus  
Human Herpes Virus-6 (HHV-6)  
Influenza Viruses  
Legionella  
Lyme Disease  
Lymphogranuloma Venereum (LGV)  
Malaria  
Measles (Rubeola)  
Meningitis  
Microsporidium  
Mononucleosis  
Mumps  
Mycoplasma  
Papillomaviruses  
Parvovirus B19  
Pneumonia  
Polyomaviruses  
Pseudomonas Aeruginosa  
Rabies  
Respiratory Syncytial Virus (RSV)

Rhinoviruses  
Rotavirus  
Rubella  
Salmonellosis  
Septicemia  
Shigellosis  
Staphylococcus Aureus  
Streptococci  
Syphilis  
Toxoplasmosis  
Trichomonas Vaginalis  
Tuberculosis  
Vibrio  
West Nile Virus  
Yersina

#### H. Competing/complementing

1. Monoclonal Antibodies/Immunoassays
2. RNA Probes
3. Two-Dimensional Electrophoresis
4. Flow Cytometry

### **VII. GERMANY MO**

Roche  
Scienion  
Sequenom  
Shimadzu  
Siemens  
Sierra Molecular  
Takara Bio  
Tecan Group  
Thermo Fisher

### **XIII. APPENDIX: MAJOR UNIVERSITIES AND RESEARCH CENTERS DEVELOPING MOLECULAR DIAGNOSTIC TECHNOLOGIES**



## List Of Tables

### LIST OF TABLES

Major Companies Developing or Marketing AIDS Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Adenovirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Bartonella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Campylobacter Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Candida Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Chlamydia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Clostridium Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Coronavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Cryptosporidium Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing CMV Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Echovirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Enterovirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing EBV Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Giardia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Gonorrhoea Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Hantavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Helicobacter Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Hepatitis Molecular Diagnostic and Other

Direct Identification Tests

Major Companies Developing or Marketing Herpes Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Influenza Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Legionella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Lyme Disease Molecular Diagnostic and Other Direct Identification T

Major Companies Developing or Marketing Measles Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Meningitis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Mononucleosis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Mumps Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Mycoplasma Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Pneumonia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing RSV Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Rotavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Rubella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Salmonella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Septicemia Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Shigella Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Streptococci Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Syphilis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Toxoplasmosis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Trichomonas Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Tuberculosis Molecular Diagnostic and Other Direct Identification Tests

Germany

Molecular Diagnostics Test Volume And Sales By Major Application

Germany

Laboratories Performing DNA Sequencing By Market Segment

Germany

Molecular Diagnostics Market Potential Laboratory Universe by Market Segment

Germany

Molecular Diagnostics Test Volume By Major Application

Germany

Major Infectious Disease Test Volume by Assay

Germany

Major Infectious Disease Test Volume by Method

Germany

Molecular Diagnostics Market By Major Application

Germany

Molecular Diagnostics Market Estimated Sales And Market Shares of Major Suppliers

Germany

Major Infectious Disease Diagnostics Market by Assay

Germany

AIDS Testing Market Estimated Sales by Major Supplier

Germany

CMV Testing Market Estimated Sales by Major Supplier

Germany

EBV Testing Market Estimated Sales by Major Supplier

Germany

Gonorrhea Testing Market Estimated Sales by Major Supplier

Germany

Hepatitis Testing Market Estimated Sales by Major Supplier

Germany

Hepatitis C Testing Market Estimated Sales by Major Supplier

Germany

HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier

Germany

Herpes Testing Market Estimated Sales by Major Supplier

Germany

Influenza Testing Market Estimated Sales by Major Supplier  
Germany

Meningitis Testing Market Estimated Sales by Major Supplier  
Germany

Mycoplasma Testing Market Estimated Sales by Major Supplier  
Germany

Pneumonia Testing Market Estimated Sales by Major Supplier  
Germany

RSV Testing Market Estimated Sales by Major Supplier  
Germany

Rotavirus Testing Market Estimated Sales by Major Supplier

## I would like to order

Product name: 2019 Germany Infectious Disease Molecular Diagnostics Market: Supplier Shares by Test, Volume and Sales Segment Forecasts, Competitive Strategies, Innovative Technologies, Instrumentation Review

Product link: <https://marketpublishers.com/r/2897FF883FCEN.html>

Price: US\$ 3,500.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/2897FF883FCEN.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