+44 20 8123 2220
info@marketpublishers.com

2015-2019 Germany Nucleic Acid Testing/NAT Market: Supplier Shares, Country Forecasts, Innovative Technologies, Competitive Strategies - Infectious Diseases, Genetic Diseases, Cancer, Forensic and Paternity Testing

https://marketpublishers.com/r/245FFCD268AEN.html
Date: September 2015
Pages: 1125
Price: US$ 5,360.00 (Single User License)
ID: 245FFCD268AEN

Abstracts

This report presents a comprehensive analysis of the German molecular diagnostics market, including:

Major issues pertaining to the German molecular diagnostics laboratory practice, as well as key economic, regulatory, demographic, social and technological trends with significant market impact during the next ten years.

An extensive review of DNA probe and biochip technologies, test formats, detection methodologies, trends in testing automation and amplification methods.

Ten-year test volume and reagent sales forecasts for the following categories:

- Infectious Diseases- Genetic Diseases- Cancer- Paternity Testing/HLA Typing- Forensic Testing

Review of testing methodologies an instrumentation technologies.

Feature comparison of automated and semiautomated analyzers.

Sales and market shares of leading suppliers.

+44 20 8123 2220
info@marketpublishers.com

Over 60 specific opportunities for molecular diagnostic instruments, test systems, IT and auxiliary products.

Profiles of major suppliers, and emerging market entrants, including their sales, product portfolios, marketing tactics, technological know-how, new products in R&D, collaborative arrangements and business strategies.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Business planning issues and concerns.

Contains 1,125 pages and 58 tables

+44 20 8123 2220
info@marketpublishers.com

Contents

1. INTRODUCTION

2. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

A. INSTRUMENTATION

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

3. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

4. ALTERNATIVE MARKET PENETRATION STRATEGIES

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

5. 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

6. 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 QIASYMPHONY 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
1. 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

2. CANCER TESTING
a. Overview
b. Major Cancer Types
Prostate
Lung
Colon and Rectum
Breast
Skin
Uterine
Leukemia
Oral
c. Oncogenes
@ Abl/abl-bcr
AIB1
BCL-2
BRCA1
CD44
@ C-fos
@ C-myb
@ C-myc
CYP17

@ Erb-B
HPC1
O N-myc

O P40
P51
P53
PIK3CA
PTI-1
@ Ras
O Reg
@ Sis
@ Src
3. GENETIC DISEASES
a. Overview
b. Nucleic Acid Amplification
c. Chromosome Imaging
d. Genomics Technologies
e. Proteomics Technologies
f. Current Pharmacogenomic Tests
g. Future Pharmacogenomic Testing
h. Major Diseases
Achondroplasia
Autosomal Dominant Polycystic Kidney Disease
Cancer
Cosmetogenomics
Cystic Fibrosis
Down's Syndrome
Duchenne and Becker Muscular Dystrophy
Factor V (Leiden)
Factor IX Deficiency
Fragile X Syndrome
Heart Disease
Hemochomatosis
Hemophilia
Huntington's Disease
Maternal-Fetal Incompatibility
Multiple Endocrine Neoplasia
Phenylketonuria (PKU)

Polycystic Kidney Disease (PKD)
Prenatal Screening
Retinitis Pigmentosa
Retinoblastoma
Sickle Cell Anemia
Spinal Muscular Atrophy
Vitamin B12 Metabolism
i. Social Issues and Concerns
4. FORENSIC TESTING
a. Overview
b. Multilocus and Single Locus Probes
Multilocus Probes
Single Locus Probes
PCR and RFLP
c. The FBI
d. DNA Profile Data Banks
U.S.A.
U.K.
e. Judicial Implementation
f. Major Crime Categories
g. Factors Contributing to the DNA Probe Market Expansion
Technology Availability
Use of Hair as Evidence
h. Wildlife Forensics
5. PATERNITY TESTING/HLA TYPING
6. OTHER APPLICATIONS
a. Disease Susceptibility Testing
b. Cardiovascular Diseases
c. Diabetes
d. Alzheimer's Disease
e. Periodontal Disease
f. Plasma Purification
g. Organ Transplantation
h. Water Contamination
i. Other
H. Competing/complementing
1. MONOCLONAL ANTIBODIES/IMMUNOASSAYS
2. RNA PROBES
3. TWO-DIMENSIONAL ELECTROPHORESIS

+44 20 8123 2220
info@marketpublishers.com

4. FLOW CYTOMETRY

7. GERMANY MOLECULAR DIAGNOSTICS MARKET

A. EXECUTIVE SUMMARY
B. Business Environment
C. Market Structure
D. Market Size, Test Volume and Sales Forecasts, Major Supplier Sales and Market Shares

8. COMPETITIVE ASSESSMENTS

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
Eiken
Elitech Group
Enzo
Exact Sciences
Fujirebio
Grifols
Hologic/Gen-Probe
Illumina
Kreatech/Leica
Li-Cor Biosciences
Monogram Biosciences/LabCorp
Myriad Genetics

Ortho-Clinical Diagnostics
Perkin Elmer/Caliper
Proteome Sciences
Qiagen
Roche
Scienion
Sequenom
Shimadzu
Siemens
Sierra Molecular
Takara Bio
Tecan Group
Thermo Fisher

13. APPENDIX: MAJOR UNIVERSITIES AND RESEARCH CENTERS DEVELOPING MOLECULAR DIAGNOSTIC TECHNOLOGIES

+44 20 8123 2220
info@marketpublishers.com

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 Gonorrhea 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 Tests
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 Oncogenes Potential Application in Cancer Diagnosis
Major Companies Developing or Marketing Cancer Molecular Diagnostic Tests
Major Companies Developing or Marketing Molecular Diagnostic Tests For Genetic Diseases
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 2014
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

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: 2015-2019 Germany Nucleic Acid Testing/NAT Market: Supplier Shares, Country Forecasts, Innovative Technologies, Competitive Strategies - Infectious Diseases, Genetic Diseases, Cancer, Forensic and Paternity Testing

Product link: https://marketpublishers.com/r/245FFCD268AEN.html

Price: US$ 5,360.00 (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/245FFCD268AEN.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

+44 20 8123 2220
info@marketpublishers.com

and fax the completed form to +44 20 7900 3970