

# 2019-2023 Germany Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Market: Supplier Shares and Strategies, Volume and Sales Segment Forecasts, Technology and Instrumentation Review, Opportunities for Suppliers

https://marketpublishers.com/r/G3CD8D2306EEN.html

Date: December 2018 Pages: 430 Price: US\$ 6,100.00 (Single User License) ID: G3CD8D2306EEN

# Abstracts

Complete report \$6,100. DataPack (test volumes, sales forecasts, supplier shares) \$3,950.

This comprehensive report is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the German molecular blood banking market during the next five years, and assist industry executives in developing effective business, new product development and marketing strategies.

The report explores future marketing and technological trends in Germany; provides test volume and sales forecasts by market segment/test location; compares features of major automated and semi-automated analyzers; profiles leading and emerging competitors; and identifies specific product and market opportunities facing suppliers during the next five years.

# **Blood Group Genotyping**

PCR, PCR-RFLP, AS-PCR or PCR-SSP, Multiplex PCR, Real Time PCR, Sanger DNA Sequencing, Pyrosequencing

# Microarrays

BeadChip Array, BloodChip, Genome Lab SNP Stream, Fluidic Microarray Systems,

2019-2023 Germany Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Market: Supplier Share...



TaqMan OpenArray, MALDI-TOF-MS, Mini-Sequencing

### **Blood Typing and Grouping Tests**

ABO, Antibody Panels, Antibody Screening/Indirect Antiglobulin, Antigen Typing (C, c, Duffy, E, e, I, i, Kell, Kidd, Le a, b, MN, P, S, s), Antiglobulin (Direct, C3 + IgG, IgG, C3), Crossmatching (Immediate Spin, Full Crossmatch), Rh (D, Du).

#### **Infectious Disease Screening Tests**

AIDS (HIV NAT, HIV-1/2), Cytomegalovirus, Hepatitis (HAV NAT, HBV NAT, HBs Ag, Anti-HBc, HCV NAT, HCV, ALT/SGPT), HTLV-I/II, Parvovirus B19 NAT, Syphilis, West Nile Virus NAT

#### Sales and Market Share Analysis

Sales and market share estimates for leading suppliers of blood banking products by individual product.

#### **Competitive Assessments**

Strategic assessments of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, and new products in R&D.

#### **Market Segmentation Analysis**

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

Test volume and sales forecasts for over 40 blood typing, grouping and infectious disease screening tests, including NAT, by market segment:

Blood Centers

Hospitals

Commercial/Private Laboratories



#### **Current and Emerging Products**

Analysis of current and emerging blood typing, grouping and infectious disease screening tests.

Review of automated and semi-automated analyzers.

#### **Technology Review**

Assessment of current and emerging technologies, and their potential applications for the blood banking market.

Comprehensive lists of companies developing or marketing new technologies and products, by test.

#### **Strategic Recommendations**

New product development opportunities with significant market appeal.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Contains 430 pages and 36 tables



# **Contents**

### **1. INTRODUCTION**

### 2. WORLDWIDE TECHNOLOGY AND MARKET OVERVIEW

- a. Major Blood Typing, Grouping and Infectious Disease Screening Tests
- 1. BLOOD TYPING AND GROUPING TESTS
- a. ABO
- b. Antibody Panels
- c. Antibody Screening
- d. Antigen Typing
- e. Antiglobulin Test
- f. Crossmatch
- g. HLA Typing
- h. Rh

#### **1. OTHER BLOOD GROUPS**

#### 2. BLOOD GROUP GENOTYPING

- a. PCR
- b. PCR RFLP
- c. AS PCR or PCR SSP
- d. Multiplex PCR
- e. Real Time PCR
- f. Sanger DNA Sequencing
- g. Pyrosequencing
- b. Microarrays
- BeadChip Array

BloodChip

Genome Lab SNP Stream

Fluidic Microarray Systems

TaqMan OpenArray

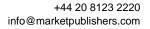
MALDITOf MS

MiniSequencing

- 3. INFECTIOUS DISEASE SCREENING TESTS
- a. AIDS

Structure and Composition

Classification



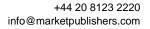


Origin of AIDS Animal Lentivirus Systems Virus Receptors **HIV Infections in Humans** Pathogenesis & Pathology Overview of Course of HIV Infection CD4T Lymphocytes and Memory Cells Monocytes and Macrophages Lymphoid Organs **Neural Cells** Viral Coinfections **Clinical Findings** Plasma Viral Load Pediactric AIDS Neurologic Disease **Opportunistic Infections** Protozoa Fungi Bacteria Viruses Cancer Immunity Laboratory Diagnosis Virus Isolation Serology Detection of Viral Nucleic Acid or Antigens Epidemiology Worldwide Spread of AIDS United States Routes of Transmission Prevention, Treatment, And Control Antiviral Drugs Vaccines Against HIV Transmission of HIV in Blood Products HIV Transmission in Transplant and Artificial Insemination Recipients **Diagnostic Tests** Enzyme Immunoassay Interpretation Specificity, Sensitivity, and Predictive Value of Enzyme Immunoassay

**Competition Assays** 



Western Blot Technique Immuno Fluorescence Assay (IFA) Radioimmunoprecipitation HIV 1/HIV 2 Combination Testing Methods of HIV Antigen Detection Antigen Assays and Blood Screening Urine Tests **DNA Probes** Overview Quantitative Polymerase Chain Reaction In Situ PCR **Needed Improvements** Viral Load/Drug Resistance Testing Genotype and Phenotype Testing **Blood Banking Considerations** b. Hepatitis Hepatitis A Hepatitis **B** Structure and Composition **Replication of Hepatitis B Virus** Hepatitis C Hepatitis D (Delta Hepatitis) Hepatitis E Hepatitis G Hepatitis Virus Infections In Humans Pathology **Clinical Findings** Laboratory Features Hepatitis A Hepatitis **B** Hepatitis C Hepatitis D Hepatitis E Virus Host Immune Reactions Epidemiology Hepatitis A Hepatitis B Hepatitis C Hepatitis D (Delta Agent)





Vaccines and Drugs c. Cytomegalovirus Background Chorioretinitis Gastrointestinal Central Nervous System Disease **Diagnostic Tests** Vaccines and Drugs d. Syphilis Background **Diagnostic Tests** Vaccines and Drugs e. West Nile Virus Background **Clinical Syndromes Diagnostic Tests** Vaccines and Drugs f. Parvovirus B19 Microbiology Epidemiology **Clinical Syndromes** Erythema Infectiosum Slapped (cheek) Adult Polyarthropathy **Transient Aplastic Crisis Transient Pancytopenia** Red Cell Aplasia in the Immunocompromised **Perinatal Infections** Diagnosis Treatment g. Creutzfeldt Jakob's Disease Background Transmission **Diagnostic Tests** Major Commercial and Academic Players **Baver** Disease Sciences/BioTec Global Imperial College School of Medicine **Ortho Clinical Diagnostics** Pall



ProMetic Life Sciences Proteome Sciences/Idexx Q One Biotech Serono U.S. Agricultural Research Service Drugs Vaccines h. Malaria

# **1. CHAGAS DISEASE**

j. Babesiosis

4. PATHOGEN REDUCTION 5. LEUKOCYTE REDUCTION Background Methods

b. INSTRUMENTATION Review: Operating Characteristics, Features and Selling Prices of Leading Automated and Semiautomated Analyzers Manufactured by:

Abbott

Beckman Coulter/Danaher Becton Dickinson

Bio Rad

**BioMerieux** 

Cepheid

Curtis Unyvero

GenProbe/Hologic

GenMark

Grifols

HTG

Immucor

Life Technologies

Nanosphere

Ortho Clinical Diagnostics

Qiagen

Roche

Sarstedt

Siemens

Tecan

c. Major in Vitr Diagnostic Technologies and Their Potential Applications



# 1. MOLECULAR DIAGNOSTICS

- a. Overview
- b. NAT
- 2. MONOCLONAL AND POLYCLONAL ANTIBODIES
- 3. IMMUNOASSAYS
- a. Technological Principle
- b. Chemiluminescence
- c. Enzyme Immunoassays (EIA)

Overview

ELISA

EMIT

Electrochemical

- d. Radioimmunoassays (RIA)
- e. Immunoprecipitation
- f. Affinity Chromatography
- 4. MICROTITRATION PLATES
- 5. IT AND AUTOMATION
- 6. LASERS
- 7. ROBOTICS
- 8. SYNTHETIC RED CELL SUBSTITUTES
- 9. GENETICALLY ENGINEERED BLOOD COMPONENTS
  - a. Albumin
  - b. Factor VIII
  - c. Alpha 2 Antiplasmin
  - d. Antithrombin III
  - e. Factor IX
  - f. Von Willebrand's Factor
  - g. Fibrinogen
  - h.t PA
- **10. BLOOD PRESERVATION**
- 11. AUTOLOGOUS BLOOD TRANSFUSION/FREEZING

# 3. GERMANY

# a. EXECUTIVE SUMMARY

- b. Business Environment
- c. Market Structure
- d. Market Size, Growth and Major Supplier Sales and Market Shares for Blood



Typing, Grouping and Infectious Disease Screening Tests

#### 4. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

- a. Molecular Blood Typing and Grouping
- b. Infectious Disease Screening
- c. Auxiliary

#### **5. ALTERNATIVE MARKET PENETRATION STRATEGIES**

- a. Internal Development
- b. Collaborative Arrangements
- c. University Contracts

#### 6. POTENTIAL MARKET ENTRY BARRIERS AND RISKS

- a. Market Maturity
- b. Cost Containment
- c. Competition
- d. Technological Edge and Limitations
- e. Patent Protection

#### 7. COMPETITIVE ASSESSMENTS

Abbott Beckman Coulter/Danaher Becton Dickinson Biokit BioMerieux Bio Rad CellMark Forensics/LabCorp Diagast DiaSorin Fujirebio Hologic/GenProbe Grifols Immucor Ortho Clinical Diagnostics Proteome Sciences



Quest Diagnostics Quidel Roche Siemens Tecan

ThermFisher



# List Of Tables

# LIST OF TABLES

Major Companies Developing or Marketing Blood Typing and Grouping Tests Major Companies Developing or Marketing HLA Typing Tests Major Companies Developing or Marketing AIDS Tests Major Companies Developing or Marketing Hepatitis Tests Major Companies Developing or Marketing CMV Tests Major Companies Developing or Marketing Syphilis Tests Major Companies Developing or Marketing Blood Bank Analyzers EXECUTIVE SUMMARY Table: Germany, Total Blood Bank Test Volume and Reagent Sales Forecast by Test Category Germany, Facilities Performing Blood Bank Tests by Market Segment Germany, Hospital Laboratories Performing Blood Bank Tests by Bed Size Germany, Commercial/Private Laboratories Performing Blood Bank Tests by Annual **Test Volume** Germany, All Market Segments Blood Typing and Grouping Test Volume Forecast by Market Segment Germany, All Market Segments Blood Typing and Grouping Test Volume Forecast Germany, Hospital Laboratories Blood Typing and Grouping Test Volume Forecast Germany, Blood Banks Blood Typing and Grouping Test Volume Forecast Germany, Commercial/Private Laboratories Blood Typing and Grouping Test Volume Forecast Germany, All Market Segments Infectious Disease Screening Test Volume Forecast by Market Segment Germany, All Market Segments Infectious Disease Screening Test Volume Forecast Germany, Blood Banks Infectious Disease Screening Test Volume Forecast Germany, Commercial/Private Laboratories Infectious Disease Screening Test Volume Forecast Germany, Hospital Laboratories Infectious Disease Screening Test Volume Forecast Germany, All Market Segments Blood Typing and Grouping Reagent Market Forecast by Market Segment Germany, All Market Segments Blood Typing and Grouping Reagent Market Forecast by Major Test Germany, Hospital Laboratories Blood Typing and Grouping Reagent Market Forecast by Major Test Germany, Blood Banks Blood Typing and Grouping Reagent Market By Major Test Forecast

2019-2023 Germany Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Market: Supplier Share...



Germany, Commercial/Private Laboratories Blood Typing and Grouping Reagent Market Forecast by Major Test

Germany, All Market Segments Infectious Disease Screening Reagent Market Forecast by Market Segment

Germany, All Market Segments Infectious Disease Screening Reagent Market Forecast by Test

Germany, Blood Banks Infectious Disease Screening Reagent Market Forecast by Test Germany, Commercial/Private Laboratories Infectious Disease Screening Reagent Market Forecast by Test

Germany, Hospital Laboratories Infectious Disease Screening Reagent Market Forecast by Test

Germany, Major Suppliers of Blood Typing and Grouping Reagents Estimated Sales and Market Shares

Germany, HIV 1/2 Blood Screening Market, Reagent Sales by Major Supplier

Germany, Hepatitis Blood Screening Market, Reagent Sales by Major Supplier

Germany, HIV/Hepatitis NAT Market, Reagent Sales by Major Supplier

Germany, CMV Blood Screening Market, Reagent Sales by Major Supplier



# I would like to order

Product name: 2019-2023 Germany Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Market: Supplier Shares and Strategies, Volume and Sales Segment Forecasts, Technology and Instrumentation Review, Opportunities for Suppliers

Product link: https://marketpublishers.com/r/G3CD8D2306EEN.html

Price: US\$ 6,100.00 (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 <u>https://marketpublishers.com/r/G3CD8D2306EEN.html</u>

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 <u>https://marketpublishers.com/docs/terms.html</u>

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