

# **2015-2019 German Molecular Blood Typing, Grouping and Infectious Disease NAT Market: Supplier Shares, Sales Forecasts, Innovative Technologies, Competitive Strategies**

<https://marketpublishers.com/r/2D7584BB5D6EN.html>

Date: June 2015

Pages: 426

Price: US\$ 4,880.00 (Single User License)

ID: 2D7584BB5D6EN

## **Abstracts**

Complete report \$6,100. DataPack (test volumes, sales forecasts, supplier shares) \$3,950. 2015-2019 German Molecular Blood Typing, Grouping and Infectious Disease NAT Market is a new strategic analysis prepared by VPGMarketResearch in order to help current suppliers and potential market entrants identify and evaluate emerging opportunities and assist industry executives in developing effective business, new product development and marketing strategies.

### Rationale

During the next five years, the German blood banking market is expected to undergo significant transformation, which will result from the convergence of several trends, including more stringent regulations; advances in diagnostic technologies, IT, system engineering and automation; and intensifying competition. Some segments will start resembling commodity markets, where product positioning and differentiation are more critical than underlying technology. The changes in the marketplace will create exciting opportunities for new instruments and reagent systems, as well as auxiliary products, such as specimen preparation devices, controls, calibrators, and innovative IT applications.

### Strategic Recommendations

New product development opportunities with significant market appeal. Alternative market penetration strategies. Potential market entry barriers and risks. The report

explores future marketing and technological trends in the Germany; provides estimates of the test volume, instrument placements and sales; 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 ten years. 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 of leading suppliers of blood banking of reagents and instruments, 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 banking tests, including NAT, by market segment: Blood Centers Hospitals Commercial/Private Laboratories Current and Emerging Products Analysis of current and emerging blood banking tests. Review of automated and semi automated analyzers, including their operating characteristics, features, and selling prices.

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.

Contains 426 pages and 42 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
- i. Other Blood Groups

##### 2. Blood Group Genotyping

- a. PCR
- b. PCR RFLP
- c. ASPCR 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
- MALDI
- TOF
- MS
- Mini
- Sequencing

### 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

Pediatric 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
  - Bayer

Disease Sciences/BioTec Global  
Imperial College School of Medicine  
Ortho Clinical Diagnostics  
Pall  
ProMetic Life Sciences  
Proteome Sciences/Idexx  
QOne Biotech  
Serono  
U.S. Agricultural Research Service  
Drugs  
Vaccines

H. Malaria

I. 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

Gen Probe/Hologic

GenMark

Grifols

HTG

Immucor

Life Technologies

Nanosphere

Ortho Clinical Diagnostics

Qiagen

Roche

Sarstedt

Siemens

Tecan

## C. Major in Vitro 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
8. 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  
BioRad  
CellMark Forensics/LabCorp  
Diagast  
DiaSorin  
Fujirebio  
Hologic/GenProbe  
Grifols  
Immucor  
OrthoClinical Diagnostics

Proteome Sciences

Quest Diagnostics

Quidel

Roche

Siemens

Tecan

Thermo Fisher

## 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

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: 2015-2019 German Molecular Blood Typing, Grouping and Infectious Disease NAT  
Market: Supplier Shares, Sales Forecasts, Innovative Technologies, Competitive Strategies

Product link: <https://marketpublishers.com/r/2D7584BB5D6EN.html>

Price: US\$ 4,880.00 (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/2D7584BB5D6EN.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