

Germany Blood Banking Market: Innovative Technologies and Emerging Business Opportunities

https://marketpublishers.com/r/G0870AA2912EN.html

Date: December 2012

Pages: 426

Price: US\$ 4,320.00 (Single User License)

ID: G0870AA2912EN

Abstracts

This report contains 426 pages, 42 tables and presents a comprehensive analysis of the German blood banking market, including:

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

Ten-year volume and sales forecasts for 40 blood typing, grouping and infectious disease screening tests, including NAT procedures performed in German blood banks, hospitals and commercial laboratories.

Annual placements and installed base estimates for major automated and semiautomated analyzers.

Review of current instrumentation technologies, and a feature comparison of over 20 analyzers.

Ten-year reagent and instrument sales forecasts.

Sales and market shares of leading reagent and instrument suppliers.

Review of current and emerging technologies, and their potential market applications

Product development opportunities for instruments, consumables, and auxiliary products.



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

Business opportunities and strategic recommendations for suppliers.

Contains 426 pages and 42 tables



Contents

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. 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 HIVAntigen 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

Q-One Biotech

Serono

U.S. Agricultural Research Service

Drugs

Vaccines

- h. Malaria
- i. Chagas Disease
- j. Babesiosis
- 3. Pathogen Reduction
- 4. 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

Bio-Rad

BioMerieux

Gen-Probe

Grifols

Immucor

Nanosphere

Ortho-Clinical Diagnostics

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
- 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

GERMANY

- A. Executive Summary
- **B.** Business Environment
- C. Market Structure

D. MARKET SIZE, GROWTH AND MAJOR SUPPLIERS' SALES AND MARKET SHARES FOR BLOOD TYPING, GROUPING AND INFECTIOUS DISEASE SCREENING TESTS

MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

- A. Blood Typing and Grouping
- B. Infectious Disease Screening
- C. Auxiliary

ALTERNATIVE MARKET PENETRATION STRATEGIES

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts

POTENTIAL MARKET ENTRY BARRIERS AND RISKS

- A. Market Maturity
- **B.** Cost Containment
- C. Competition
- D. Technological Edge and Limitations
- E. Patent Protection



COMPETITIVE ASSESSMENTS

Abbott

Beckman Coulter/Danaher

Becton Dickinson

Biokit

BioMerieux

Bio-Rad

Diagast

DiaSorin

Fujirebio

Gen-Probe

Grifols

Immucor

Innogenetics

Ortho-Clinical Diagnostics

Orchid CellMark

Novartis Diagnostics

Proteome Sciences

Roche

Siemens

Tecan



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, HIV1/2 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: Germany Blood Banking Market: Innovative Technologies and Emerging Business

Opportunities

Product link: https://marketpublishers.com/r/G0870AA2912EN.html

Price: US\$ 4,320.00 (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 https://marketpublishers.com/r/G0870AA2912EN.html

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 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



