Table of Contents and List of Tables



Over 1,000 corporations in 70 countries are relying on our market intelligence, expert analysis, and strategic insight, critical to the development and implementation of effective business, R&D and marketing programs.

www.LeadingMarketResearch.com

www.VPGMarketResearch.com

reports@vpgcorp.com

+1 212 564 2838

Table of Contents

I. Introduction

II. Worldwide Market Overview

- 1. Business Environment
- 2. Market Structure
- 3. Market Size and Growth

III. Major Product Development Opportunities

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

IV. Alternative Market Penetration Strategies

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

V. Potential Market Entry Barriers and Risks

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

VI. 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/HIV
 - Background
 - Diagnostic Tests
 - ° Enzyme Immunoassay
 - ° Viral Load/Drug Resistance Testing
 - ° Genotype and Phenotype Testing
 - Blood Banking Considerations
 - b. Hepatitis Markers
 - Hepatitis A
 - Hepatitis B
 - Hepatitis C
 - Hepatitis D (Delta Hepatitis)
 - Hepatitis E
 - Hepatitis G
 - Vaccines and Drugs
 - c. Cytomegalovirus
 - Background
 - 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
 - Diagnostic Test
 - Vaccines and Drugs

- g. Creutzfeldt-Jakob's Disease
 - Background
 - Transmission
 - Diagnostic Tests
 - Vaccines and Drugs
- 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 Blood Typing, Grouping and Infectious Disease Screening Automated and Semiautomated Analyzers
- C. Major Blood Banking Technologies and Their Potential Applications
 - 1. Molecular Diagnostics
 - 2. Monoclonal and Polyclonal Antibodies
 - 3. Immunoassays
 - 4. Microtitration Plates
 - 5. IT and Automation
 - 6. Lasers
 - 7. Robotics
 - 8. Synthetic Red Cell Substitutes
 - 9. Genetically Engineered Blood Components
 - 10. Blood Preservation
 - 11. Autologous Blood Transfusion/Freezing

VII. France Blood Banking Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, by Market Segment, Major Supplier Sales and Market Shares

VIII. Germany Blood Banking Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, by Market Segment, Major Supplier Sales and Market Shares

IX. Italy Blood Banking Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, by Market Segment, Major Supplier Sales and Market Shares

X. Japan Blood Banking Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, by Market Segment, Major Supplier Sales and Market Shares

XI. Spain Blood Banking Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, by Market Segment, Major Supplier Sales and Market Shares

XII. U.K. Blood Banking Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, by Market Segment, Major Supplier Sales and Market Shares

XIII. U.S.A. Blood Banking Market

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, by Market Segment, Major Supplier Sales and Market Shares

XIV. Competitive Assessments

Abbott

Beckman Coulter/Danaher

Becton Dickinson

Biokit

bioMerieux

Bio-Rad

Diagast

DiaSorin

Fujirebio

Grifols

Hologic

LabCorp

Proteome Sciences

Quest Diagnostics

QuidelOrtho

Roche

Siemens Healthineers

Tecan

Thermo Fisher

Werfen/Immucor

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

Worldwide, All Market Segments, Facilities Performing Blood Bank Tests By Country

Worldwide, All Market Segments, Total Blood Typing and Grouping Test Volume Forecast By Country

Worldwide, All Market Segments, Total Infectious Disease Screening Test Volume Forecast

Worldwide, All Market Segments, Total Blood Typing and Grouping Reagent Market Forecast By Country

Worldwide, All Market Segments, Total Infectious Disease Reagent Market Forecast By Country

Executive Summary Table: France, Total Blood Bank Test Volume and Reagent Sales Forecast By Test Category

France, Facilities Performing Blood Bank Tests by Market Segment

France, Hospital Laboratories Performing Blood Bank Tests by Bed Size

France, Commercial/Private Laboratories Performing Blood Bank Tests By Annual Test Volume

France, All Market Segments Blood Typing And Grouping Test Volume Forecast by Market Segment

France, All Market Segments Blood Typing And Grouping Test Volume Forecast

France, Hospital Laboratories Blood Typing and Grouping Test Volume Forecast

France, Blood Banks Blood Typing And Grouping Test Volume Forecast

France, Commercial/Private Laboratories
Blood Typing and Grouping Test Volume Forecast

France, All Market Segments Infectious Disease Screening Test Volume Forecast By Market Segment

France, All Market Segments Infectious Disease Screening Test Volume Forecast

France, Blood Banks Infectious Disease Screening Test Volume Forecast

France, Commercial/Private Laboratories Infectious Disease Screening Test Volume Forecast

France, Hospital Laboratories Infectious Disease Screening Test Volume Forecast

France, All Market Segments Blood Typing And Grouping Reagent Market Forecast By Market Segment

France, All Market Segments Blood Typing And Grouping Reagent Market Forecast By Major Test

France, Hospital Laboratories Blood Typing and Grouping Reagent Market Forecast By Major

France, Blood Banks Blood Typing and Grouping Reagent Market Forecast by Major Test

France, Commercial/Private Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

France, All Market Segments Infectious Disease Screening Reagent Market Forecast By Market Segment

France, All Market Segments Infectious Disease Screening Reagent Market Forecast By Test

France, Blood Banks Infectious Disease Screening Reagent Market Forecast by Test

France, Commercial/Private Laboratories Infectious Disease Screening Reagent Market Forecast By Test

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

France, Major Suppliers of Blood Typing And Grouping Reagents Estimated Sales And Market Shares

France, HIV/HTLV Blood Screening Market, Reagent Sales by Major Supplier

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

France, HIV/Hepatitis NAT Screening Market Reagent Sales by Major Supplier

France, CMV Blood Screening Market, Reagent Sales By Major Supplier

France, Syphilis Blood Screening Market, Reagent Sales By Major Supplier

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

Executive Summary Table: Italy, Total Blood Bank Test Volume and Reagent Sales Forecast by Test Category

Italy, Facilities Performing Blood Bank Tests by Market Segment

Italy, Hospital Laboratories Performing Blood Bank Tests by Bed Size

Italy, Commercial/Private Laboratories Performing Blood Bank Tests by Annual Test Volume

Italy, All Market Segments Blood Typing And Grouping Test Volume by Market Segment

Italy, All Market Segments Blood Typing And Grouping Test Volume Forecast

Italy, Hospital Laboratories Blood Typing and Grouping Test Volume Forecast

Italy, Blood Banks Blood Typing And Grouping Test Volume Forecast

Italy, Commercial/Private Laboratories
Blood Typing and Grouping Test Volume Forecast

Italy, All Market Segments Infectious
Disease Screening Test Volume Forecast by Market
Segment

Italy, All Market Segments Infectious
Disease Screening Test Volume Forecast

Italy, Blood Banks Infectious Disease Screening Test Volume Forecast

Italy, Commercial/Private Laboratories Infectious Disease Screening Test Volume Forecast

Italy, Hospital Laboratories Infectious Disease Screening Test Volume Forecast

Italy, All Market Segments Blood Typing and Grouping Reagent Market Forecast by Market Segment

Italy, All Market Segments Blood Typing And Grouping Reagent Market Forecast by Major Test

Italy, Hospital Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

Italy, Blood Banks Blood Typing and Grouping Reagent Market Forecast by Major Test

Italy, Commercial/Private Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

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

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

Italy, Blood Banks Infectious Disease Screening Reagent Market Forecast by Test

Italy, Commercial/Private Laboratories Infectious
Disease Screening Reagent Market Forecast by Test

Italy, Hospital Laboratories Infectious Disease Screening Reagent Market Forecast By Test

Italy, Major Suppliers of Blood Typing And Grouping Reagents Estimated Sales And Market Shares

Italy, AIDS/Hepatitis Blood Screening Market, Reagent Sales by Major Supplier

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

Italy, CMV Blood Screening Market, Reagent Sales By Major Supplier

Executive Summary Table: Japan, Total Blood Bank Test Volume and Reagent Sales Forecast by Test Category

Japan, Facilities Performing Blood Bank Tests by Market Segment

Japan, Hospital Laboratories Performing Blood Bank Tests By Bed Size

Japan, Commercial/Private Laboratories Performing Blood Bank Tests by Annual Test Volume

Japan, All Market Segments Blood Typing and Grouping Test Volume Forecast by Market Segment

Japan, All Market Segments Blood Typing and Grouping Test Volume Forecast

Japan, Hospital Laboratories Blood Typing and Grouping Test Volume Forecast

<u>List of Tables</u> (continues)

Japan, Blood Banks Blood Typing and Grouping Test Volume Forecast

Japan, Commercial/Private Laboratories Blood Typing and Grouping Test Volume Forecast

Japan, All Market Segments Infectious
Disease Screening Test Volume Forecast by Market
Segment

Japan, All Market Segments Infectious Disease Screening Test Volume Forecast

Japan, Blood Banks Infectious Disease Screening Test Volume Forecast

Japan, Commercial/Private Laboratories Infectious Disease Screening Test Volume Forecast

Japan, Hospital Laboratories Infectious Disease Screening Test Volume Forecast

Japan, All Market Segments Blood Typing and Grouping Reagent Market Forecast By Market Segment

Japan, All Market Segments Blood Typing And Grouping Reagent Market Forecast by Major Test

Japan, Hospital Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

Japan, Blood Banks Blood Typing and Grouping Reagent Market By Major Test Forecast

Japan, Commercial/Private Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

Japan, All Market Segments Infectious Disease Screening Reagent Market Forecast By Market Segment

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

Japan, Blood Banks Infectious Disease Screening Reagent Market Forecast by Test

Japan, Commercial/Private Laboratories Infectious Disease Screening Reagent Market Forecast By Test

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

Japan, Major Suppliers of Blood Typing And Grouping Reagents Estimated Sales And Market Shares

Japan, HIV/HTLV Blood Screening Market, Reagent Sales by Major Supplier

Japan, Hepatitis C Blood Screening Market, Reagent Sales by Major Supplier

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

Japan, Syphilis Blood Screening Market, Reagent Sales by Major Supplier

Executive Summary Table: Spain, Total Blood Bank Test Volume and Reagent Sales Forecast by Test Category

Spain, Facilities Performing Blood Bank Tests by Market Segment

Spain, Hospital Laboratories Performing Blood Bank Tests by Bed Size

Spain, Commercial/Private Laboratories Performing Blood Bank Tests by Annual Test Volume

Spain, All Market Segments Blood Typing And Grouping Test Volume Forecast by Market Segment

Spain, All Market Segments Blood Typing and Grouping Test Volume Forecast

Spain, Hospital Laboratories Blood Typing and Grouping Test Volume Forecast

Spain, Blood Banks Blood Typing And Grouping Test Volume Forecast

Spain, Commercial/Private Laboratories Blood Typing and Grouping Test Volume Forecast

Spain, All Market Segments Infectious Disease Screening Test Volume Forecast By Market Segment

Spain, All Market Segments Infectious Disease Screening Test Volume Forecast

Spain, Blood Banks Infectious Disease Screening Test Volume Forecast

Spain, Commercial/Private Laboratories Infectious Disease Screening Test Volume Forecast

Spain, Hospital Laboratories Infectious Disease Screening Test Volume Forecast

Spain, All Market Segments Blood Typing And Grouping Reagent Market Forecast By Market Segment

Spain, All Market Segments Blood Typing And Grouping Reagent Market Forecast by Major Test

Spain, Hospital Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

Spain, Blood Banks Blood Typing and Grouping Reagent Market By Major Test Forecast

Spain, Commercial/Private Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

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

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

Spain, Blood Banks Infectious Disease Screening Reagent Market Forecast by Test

Spain, Commercial/Private Laboratories Infectious Disease Screening Reagent Market Forecast By Test

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

Spain, Major Suppliers of Blood Typing And Grouping Reagents Estimated Sales And Market Shares

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

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

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

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

Spain, Syphilis Blood Screening Market, Reagent Sales by Major Supplier

Executive Summary Table: U.K., Total Blood Bank Test Volume and Reagent Sales Forecast by Test Category

U.K., Facilities Performing Blood Bank Tests by Market Segment

U.K., Hospital Laboratories Performing Blood Bank Tests by Bed Size

U.K., Commercial/Private Laboratories Performing Blood Bank Tests by Annual Test Volume

U.K., All Market Segments Blood Typing And Grouping Test Volume Forecast by Market Segment

<u>List of Tables</u> (continues)

U.K., All Market Segments Blood Typing And Grouping Test Volume Forecast

U.K., Hospital Laboratories Blood Typing and Grouping Test Volume Forecast

U.K., Blood Banks Blood Typing And Grouping Test Volume Forecast

U.K., Commercial/Private Laboratories Blood Typing and Grouping Test Volume Forecast

U.K., All Market Segments Infectious Disease Screening Test Volume Forecast by Market Segment

U.K., All Market Segments Infectious Disease Screening Test Volume Forecast

U.K., Blood Banks Infectious Disease Screening Test Volume Forecast

U.K., Hospital Laboratories Infectious Disease Screening Test Volume Forecast

U.K., Commercial/Private Laboratories Infectious Disease Screening Test Volume Forecast

U.K., All Market Segments Blood Typing And Grouping Reagent Market Forecast By Market Segment

U.K., All Market Segments Blood Typing And Grouping Reagent Market Forecast by Major Test

U.K., Hospital Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test

<u>List of Tables</u> (continues)

U.K., Blood Banks Blood Typing and Grouping Reagent Market Forecast by Major Test

U.K., All Market Segments Infectious Disease Screening Reagent Market Forecast By Market Segment

U.K., All Market Segments Infectious
Disease Screening Reagent Market Forecast
Segment By Test

U.K., Blood Banks Infectious Disease Screening Reagent Market Forecast by Test

U.K., Hospital Laboratories Infectious Disease Screening Reagent Market Forecast By Test

U.K., Commercial/Private Laboratories Infectious
Disease Screening Reagent Market Forecast by Test

U.K., Major Suppliers of Blood Typing And Grouping Reagents Estimated Sales And Market Shares

U.K., HIV-1/2 Blood Screening Market, Reagent Sales by Major Supplier

U.K., Hepatitis Blood Screening Market, Reagent Sales by Major Supplier

U.K., Syphilis Blood Screening Market, Reagent Sales by Major Supplier

Executive Summary Table: U.S.A., Total Blood Bank Test Volume and Reagent Sales Forecast by Test Category

U.S.A., Estimated Number of Inpatient and Ambulatory Surgeries

U.S.A., Facilities Performing Blood Bank Tests by Market Segment

U.S.A., Hospital Laboratories Performing Blood Bank Tests by Bed Size

U.S.A., Commercial/Private Laboratories Performing Blood Bank Tests by Annual Test Volume Forecast

U.S.A., Facilities Collecting Whole Blood And Plasma by Market Forecast Segment

U.S.A., Whole Blood and Plasma Collections By Market Forecast Segment

U.S.A., All Market Segments Blood Typing and Grouping Test Volume by Market Forecast Segment

U.S.A., All Market Segments Blood Typing And Grouping Test Volume Forecast

U.S.A., Hospital Laboratories Blood Typing and Grouping Test Volume Forecast

U.S.A., Community and Regional Blood Centers Blood Typing and Grouping Test Volume Forecast

<u>List of Tables</u> (continues)

- U.S.A., Commercial/Private Laboratories Blood Typing and Grouping Test Volume Forecast
- U.S.A., Plasma Fractionation Centers Blood Typing and Grouping Test Volume Forecast
- U.S.A., Military Blood Banks Blood Typing and Grouping Test Volume Forecast
- U.S.A., All Market Segments Infectious Disease Screening Test Volume Forecast By Market Segment
- U.S.A., All Market Segments Infectious Disease Screening Test Volume Forecast
- U.S.A., Community and Regional Centers Infectious Disease Screening Test Volume Forecast
- U.S.A., Plasma Fractionation Centers Infectious Disease Screening Test Volume Forecast
- U.S.A., Hospital Blood Banks Infectious Disease Screening Test Volume Forecast
- U.S.A., Military Blood Banks Infectious Disease Screening Test Volume Forecast
- U.S.A., All Market Segments Blood Typing And Grouping Reagent Market Forecast by Market Segment
- U.S.A., All Market Segments Blood Typing And Grouping Reagent Market Forecast by Market Segment

- U.S.A., Hospital Blood Banks Blood Typing And Grouping Reagent Market Forecast by Major Test
- U.S.A., Community and Regional Blood Centers Blood Typing and Grouping Reagent Market Forecast By Major Test
- U.S.A., Commercial/Private Laboratories Blood Typing and Grouping Reagent Market Forecast By Major Test
- U.S.A., Plasma Fractionation Centers Blood Typing and Grouping Reagent Market Forecast By Major Test
- U.S.A., Military Blood Banks Blood Typing And Grouping Reagent Market Forecast by Major Test
- U.S.A., All Market Segments Infectious Disease Screening Reagent Market by Market Forecast Segment
- U.S.A., All Market Segments Infectious Disease Screening Reagent Market by Market Forecast Segment
- U.S.A., Community and Regional Centers Infectious Disease Screening Reagent Market Forecast By Test
- U.S.A., Plasma Fractionation Centers Infectious Disease Screening Reagent Market Forecast By Test
- U.S.A., Hospital Blood Banks Infectious Disease Screening Reagent Market Forecast By Test

- U.S.A., Military Blood Banks Infectious Disease Screening Reagent Market Forecast By Test
- U.S.A., Major Suppliers of Blood Typing And Grouping Reagents Estimated Sales And Market Shares
- U.S.A., HIV/HTLV Blood Screening Market, Reagent Sales by Major Supplier
- U.S.A., Hepatitis Blood Screening Market, Reagents Sales by Major Supplier
- U.S.A., Hepatitis C Blood Screening Market, Reagent Sales By Major Supplier
- U.S.A., HIV/Hepatitis C NAT Market, Reagent Sales By Major Supplier
- U.S.A., West Nile Virus NAT Market, Reagent Sales by Major Supplier
- U.S.A., CMV Blood Screening Market, Reagent Sales by Major Supplier
- U.S.A., Syphilis Blood Screening Market, Reagent Sales by Major Supplier