

# Spain Molecular Blood Typing, Grouping and Infectious Disease NAT Market 2017-2021: Supplier Shares, Sales Forecasts by Test and Market Segment, Competitive Strategies, Technology Trends, Instrumentation Review

https://marketpublishers.com/r/SF190C363D5EN.html

Date: December 2017 Pages: 425 Price: US\$ 6,100.00 (Single User License) ID: SF190C363D5EN

# 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 Spanish 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 Spain; 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,

Spain Molecular Blood Typing, Grouping and Infectious Disease NAT Market 2017-2021: Supplier Shares, Sales For...



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 425 pages and 37 tables



# Contents

### I. INTRODUCTION

### **II. 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. 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
- 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 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
- 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
- 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
- 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

#### **III. SPAIN**

- 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

# **IV. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES**



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

# **V. ALTERNATIVE MARKET PENETRATION STRATEGIES**

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

#### **VI. POTENTIAL MARKET ENTRY BARRIERS AND RISKS**

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

#### **VII. COMPETITIVE ASSESSMENTS**

Abbott Beckman Coulter/Danaher **Becton Dickinson Biokit BioMerieux Bio-Rad** Diagast DiaSorin Fujirebio/Innogenetics Grifols/Novartis Hologic/Gen-Probe Immucor **Orchid CellMark Ortho-Clinical Diagnostic Proteome Sciences** Quest Quidel Roche

Spain Molecular Blood Typing, Grouping and Infectious Disease NAT Market 2017-2021: Supplier Shares, Sales For...



Siemens Tecan Thermo Fisher/Life Technologies



# 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 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



# I would like to order

Product name: Spain Molecular Blood Typing, Grouping and Infectious Disease NAT Market 2017-2021: Supplier Shares, Sales Forecasts by Test and Market Segment, Competitive Strategies, Technology Trends, Instrumentation Review

Product link: https://marketpublishers.com/r/SF190C363D5EN.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/SF190C363D5EN.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