

2023-2027 Japan Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Analyzers and Reagents-Transfusion Market Emerging Opportunities, Competitive Shares and Growth Strategies, Volume and Sales Segment Forecasts for 40 Immunohematology and NAT Assays through 2027, Latest Technologies and Instrumentation Pipeline

https://marketpublishers.com/r/2DB06081E5A9EN.html

Date: August 2023 Pages: 0 Price: US\$ 2,450.00 (Single User License) ID: 2DB06081E5A9EN

Abstracts

This comprehensive report is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the Japanese 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 is available by section, and can be customized to specific information needs and budget.

The report explores future marketing and technological trends in Japan; 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

2023-2027 Japan Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Analyzers and Reagents-T...



Microarrays

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



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. JAPAN

- 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 Grifols Hologic Immucor LabCorp OrthoQuidel **Proteome Sciences Quest Diagnostics** Roche Siemens Healthineers Tecan Thermo Fisher



2023-2027 Japan Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Analyzers and Reagents-T...



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: 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 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



I would like to order

Product name: 2023-2027 Japan Molecular Blood Typing, Grouping and Infectious Disease NAT Screening Analyzers and Reagents-Transfusion Market Emerging Opportunities, Competitive Shares and Growth Strategies, Volume and Sales Segment Forecasts for 40 Immunohematology and NAT Assays through 2027, Latest Technologies and Instrumentation Pipeline

Product link: https://marketpublishers.com/r/2DB06081E5A9EN.html

Price: US\$ 2,450.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service: <u>info@marketpublishers.com</u>

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/2DB06081E5A9EN.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