

# **2016 Molecular and Immunohematology Blood Typing, Grouping and Infectious Disease NAT Screening Assays, and Strategic Profiles of Leading Suppliers**

<https://marketpublishers.com/r/22159728EA1EN.html>

Date: November 2015

Pages: 280

Price: US\$ 3,080.00 (Single User License)

ID: 22159728EA1EN

## **Abstracts**

This 280-page report presents a comprehensive analysis of the clinical significance and market needs for major blood typing, grouping, and infectious disease screening assays, including NAT tests, as well as extensive listings of companies developing or marketing new blood banking technologies and products.

The report also presents strategic assessments of current and emerging suppliers, including their sales, product portfolios, marketing tactics, technological know-how, new products in R&D, collaborative arrangements, and business strategies.

Contains 280 pages and 6 tables

## Contents

### 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

#### **COMPETITIVE ASSESSMENTS**

Abbott  
Beckman Coulter/Danaher  
Becton Dickinson  
Biokit  
BioMerieux  
Bio-Rad  
CellMark Forensics/LabCorp  
Diagast  
DiaSorin  
Fujirebio  
Grifols  
Hologic/Gen-Probe  
Immucor  
Ortho-Clinical Diagnostic  
Proteome Sciences  
Quest  
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



## I would like to order

Product name: 2016 Molecular and Immunohematology Blood Typing, Grouping and Infectious Disease NAT Screening Assays, and Strategic Profiles of Leading Suppliers

Product link: <https://marketpublishers.com/r/22159728EA1EN.html>

Price: US\$ 3,080.00 (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/22159728EA1EN.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

