

# **Emerging Nucleic Acid Testing (NAT) Assays, Country Market Shares, Strategic Profiles of Leading Reagent and Instrument Suppliers, 2019**

<https://marketpublishers.com/r/296E98D11A4EN.html>

Date: July 2019

Pages: 549

Price: US\$ 3,850.00 (Single User License)

ID: 296E98D11A4EN

## **Abstracts**

This 549-page report presents an overview of the clinical significance and market needs for major current and emerging NAT assays, as well as extensive listings of companies developing and marketing innovative technologies and products.

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

Contains 549 pages and 22 tables

## Contents

### **MICROBIOLOGY/INFECTIOUS DISEASES**

- a. Overview
- b. Major Infectious Diseases
  - AIDS
    - Structure and Composition
    - Classification
    - AIDS Origins
    - Animal Lentivirus Systems
    - Virus Receptors
    - HIV Infections in Humans
    - Pathogenesis and Pathology
    - CD4T Lymphocytes and Memory Cells
    - Monocytes and Macrophages
    - Lymphoid Organs
    - Neural Cells
    - Viral Coinfections
    - Clinical Findings
    - Plasma Viral Load
    - Pediatric AIDS
    - Neurologic Disease
    - Opportunistic Infections
    - Cancer
    - Immunity
    - Virus Isolation
    - Serology
    - Viral Nucleic Acid/Antigen Detection
  - Epidemiology
  - Worldwide Spread of AIDS
  - United States
  - Routes of Transmission
  - DNA Probes
  - Overview
  - Quantitative PCR
  - In Situ PCR
  - Needed Improvements
  - Viral Load/Drug Resistance Testing

Genotype and Phenotype Testing

Blood Banking Considerations

Adenovirus

Background

Diagnostic Tests

Vaccines and Drugs

Adeno-Associated Viruses (AAV)

Anthrax/Bacillus Anthracis

Background

Diagnostic Tests

Vaccines and Drugs

Babesiosis

Background

BEA and Other Bartonella Diseases

Background

Diagnostic Tests

Vaccines and Drugs

Chagas Disease

Background

Campylobacter

Background

Diagnostic Tests

Culture Identification

Vaccines and Drugs

Chlamydia

Background

Chlamydia psittaci

Chlamydia pneumoniae

Chlamydia trachomatis

Diagnostic Tests

Vaccines and Drugs

Creutzfeldt-Jakob's Disease

Background

Blood Transmission

Diagnostic Tests

Major Commercial and Academic Players

Bayer

Disease Sciences/Bio Tec 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

Cytomegalovirus

Background

Chorioretinitis

Gastrointestinal

Central Nervous System Disease

Diagnostic Tests

Vaccines and Drugs

Ebola Virus

Background

Epidemiology

Clinical Syndromes

Diagnostic Tests

Vaccines and Drugs

EchoVirus

Background

Acute Aseptic Meningitis

Encephalitis

Exanthems

Respiratory Disease

Myopericarditis

Neonatal Infections

Diagnostic Tests

Vaccines and Drugs

Encephalitis

Background

Diagnostic Tests

Vaccines and Drugs

Enteroviruses

Background

Diagnostic Tests

Viral Isolation and Identification

Antibody Tests

Vaccines and Drugs

Epstein-Barr Virus

Background

Diagnostic Tests

Vaccines and Drugs

Gonorrhea

Background

Diagnostic Tests

Vaccines and Drugs

Hepatitis

Hepatitis A

Hepatitis B

Structure and Composition

Replication

Hepatitis C

Hepatitis D (Delta)

Hepatitis E

Hepatitis G

Hepatitis Infections Pathology

Clinical Findings

Laboratory Tests

Hepatitis A

Hepatitis B

Hepatitis C

Hepatitis D

Hepatitis E

Virus-Host Immune Reactions

Epidemiology

Hepatitis A

Hepatitis B

Hepatitis C

Hepatitis D (Delta)

Vaccines and Drugs

Herpes Simplex Virus

Background

Diagnostic Tests

Vaccines and Drugs

Legionella  
Background  
Diagnostic Tests  
Vaccines and Drugs  
Lyme Disease  
Background  
Clinical Description  
Clinical Case Definition  
Laboratory Criteria for Diagnosis  
Case Classification  
Diagnostic Tests  
Vaccines and Drugs  
Malaria  
Mycoplasma  
Background  
Ureaplasma Urealyticum & Mycoplasma Hominis  
Diagnostic Tests  
Vaccines and Drugs  
Papillomaviruses/HPV  
Background  
HPV in Cancer  
Cervical Neoplasm  
Diagnostic Tests  
Vaccines and Drugs  
Prevention  
Parvovirus B19  
Background  
Microbiology  
Epidemiology  
Clinical Syndromes  
Erythema Infectiosum (Slapped Cheek)  
Adult Polyarthropathy  
Transient Aplastic Crisis  
Transient Pancytopenia  
Red Cell Aplasia in Immunocompromised  
Perinatal Infections  
Diagnostic Test  
Vaccines and Drugs  
Pneumonia

Background  
Diagnostic Tests  
Vaccines and Drugs  
Polyomaviruses  
Background  
Diagnostic Tests  
Vaccines and Drugs  
Salmonellosis  
Background  
Diagnostic Tests  
Vaccines and Drugs  
Shigellosis  
Background  
Diagnostic Tests  
Vaccines and Drugs  
Streptococci  
Background  
Diagnostic Tests  
Vaccines and Drugs  
Group A Streptococci  
Group B Streptococci  
Toxoplasmosis  
Background  
Diagnostic Tests  
Vaccines and Drugs  
Tuberculosis  
Background  
Diagnostic Tests  
Microscopic Characteristics  
Cultural Characteristics  
Skin Tests  
MDRTB  
Vaccines and Drugs  
West Nile Virus  
Background  
Clinical Syndromes  
Diagnostic Tests  
Vaccines and Drugs  
Yersinia

Background  
Diagnostic Tests  
Vaccines and Drugs  
Antibiotic Susceptibility

## **CANCER TESTING**

- a. Overview
- b. Major Cancer Types
  - Prostate
  - Lung
  - Colon and Rectum
  - Breast
  - Skin
  - Uterine
  - Leukemia
  - Oral
- c. Oncogenes
  - Abl/abl-bcr
  - AIB1
  - BCL-2
  - BRCA1
  - CD44
  - C-fos
  - C-myb
  - C-myc
  - CYP17
  - Erb-B
  - HPC1
  - N-myc
  - P40
  - P51
  - P53
  - PIK3CA
  - PTI-1
  - Ras
  - Reg
  - Sis
  - Src



## GENETIC DISEASES

- a. Overview
- b. Nucleic Acid Amplification
- c. Chromosome Imaging
- d. Genomics Technologies
- e. Proteomics Technologies
- f. Current Pharmacogenomic Tests
- g. Future Pharmacogenomic Testing
- h. Major Diseases
  - Achondroplasia
  - Autosomal Dominant Polycystic Kidney Disease
  - Cancer
  - Cosmetogenomics
  - Cystic Fibrosis
  - Down's Syndrome
  - Duchenne and Becker Muscular Dystrophy
  - Factor V (Leiden)
  - Factor IX Deficiency
  - Fragile X Syndrome
  - Heart Disease
  - Hemochromatosis
  - Hemophilia
  - Huntington's Disease
  - Maternal-Fetal Incompatibility
  - Multiple Endocrine Neoplasia
  - Phenylketonuria (PKU)
  - Polycystic Kidney Disease (PKD)
  - Prenatal Screening
  - Retinitis Pigmentosa
  - Retinoblastoma
  - Sickle Cell Anemia
  - Spinal Muscular Atrophy
  - Vitamin B12 Metabolism
- i. Social Issues and Concerns

## FORENSIC TESTING

- a. Overview
- b. Multilocus and Single Locus Probes
  - Multilocus Probes
  - Single Locus Probes
  - PCR and RFLP
- c. The FBI
- d. DNA Profile Data Banks
  - U.S.A.
  - U.K.
- e. Judicial Implementation
- f. Major Crime Categories
- g. Factors Contributing to the DNA Probe Market Expansion
  - Technology Availability
  - Use of Hair as Evidence
- h. Wildlife Forensics

## **PATERNITY TESTING/HLA TYPING**

## **OTHER APPLICATIONS**

- a. Disease Susceptibility Testing
- b. Cardiovascular Diseases
- c. Diabetes
- d. Alzheimer's Disease
- e. Periodontal Disease
- f. Plasma Purification
- g. Organ Transplantation
- h. Water Contamination
- i. Other

## **COMPETITIVE PROFILES**

Abbott  
Affymetrix  
Agilent Technologies  
Applied Gene Technologies  
Arca Biopharma  
Beckman Coulter/Danaher  
Becton Dickinson

Biokit  
BioMerieux  
Bio-Rad  
Biotest  
Cepheid  
CellMark Forensics/LabCorp  
Decode Genetics  
Diadexus  
Elitech Group  
Eiken  
Enzo  
Exact Sciences  
Fujirebio  
Grifols  
Hologic/Gen-Probe  
Illumina  
Kreatech/Leica  
Li-Cor Biosciences  
Monogram Biosciences  
Myriad Genetics  
Ortho-Clinical Diagnostics  
Perkin Elmer/Caliper  
Proteome Sciences  
Qiagen  
Roche  
Scienion  
Sequenom  
Shimadzu  
Siemens  
Sierra Molecular  
Takara Bio  
Tecan Group  
Thermo Fisher

## List Of Tables

### LIST OF TABLES

Major Companies Developing or Marketing AIDS Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Adenovirus Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Campylobacter Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Chlamydia Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing CMV Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing EBV Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Gonorrhea Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Hepatitis Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Herpes Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Legionella Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Lyme Disease Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Mycoplasma Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Papilloma Virus Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Pneumonia Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Salmonella Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Shigella Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Streptococci Molecular Diagnostic And Other Direct Identification Tests

Major Companies Developing or Marketing Toxoplasmosis

Molecular Diagnostic And Other Direct Identification Tests  
Major Companies Developing or Marketing Tuberculosis  
Molecular Diagnostic And Other Direct Identification Tests  
Oncogenes Potential Application in Cancer Diagnosis  
Major Companies Developing or Marketing Cancer  
Molecular Diagnostic Tests  
Major Companies Developing or Marketing Molecular  
Diagnostic Test For Genetic Diseases

## I would like to order

Product name: Emerging Nucleic Acid Testing (NAT) Assays, Country Market Shares, Strategic Profiles of Leading Reagent and Instrument Suppliers, 2019

Product link: <https://marketpublishers.com/r/296E98D11A4EN.html>

Price: US\$ 3,850.00 (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/296E98D11A4EN.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

