

Spanish Nucleic Acid Testing Market 2014: Innovations, Trends and Opportunities for Suppliers

<https://marketpublishers.com/r/24CA2751F67EN.html>

Date: January 2014

Pages: 850

Price: US\$ 5,360.00 (Single User License)

ID: 24CA2751F67EN

Abstracts

Highlights

Comprehensive 850-page market segmentation analysis of the Spanish NAT market.

Major issues pertaining to the Spanish NAT laboratory practice, as well as key economic, regulatory, demographic, social and technological trends with significant market impact during the next five years.

An extensive review of DNA probe and biochip technologies, test formats, detection methodologies, trends in testing automation and amplification methods.

Five-year test volume and reagent sales forecasts for the following categories:

Infectious Diseases

Cancer

Forensic Testing

Genetic Diseases

Paternity Testing/HLA Typing

Review of testing methodologies and instrumentation technologies.

Feature comparison of automated and semiautomated analyzers.

Sales and market shares of leading suppliers.

Over 60 specific opportunities for NAT instruments, test systems, IT and auxiliary products.

Profiles of major suppliers, and emerging market entrants, including their sales, product portfolios, marketing tactics, technological know-how, new products in R&D, collaborative arrangements and business strategies.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Business planning issues and concerns.

Contains 850 pages and 36 tables

Contents

INTRODUCTION

WORLDWIDE MARKET AND TECHNOLOGY OVERVIEW

- A. DNA Sequencing
 - 1. Introduction
 - 2. Sequencing Methods
 - 3. Autoradiography
 - 4. The Human Genome Project
 - 5. Sequencing Automation
 - 6. Image Scanners
 - 7. Fluorescent Detection
 - 8. Gene Profiling
 - 9. Gene Expression
 - 10. Polymorphism Screening
 - 11. Protein Interaction Networks
- B. DNA And RNA Probe Technology
 - 1. Basic Principles
 - 2. Probe Preparation
 - 3. The DNA Probe Test
 - a. Sample Preparation
 - b. Hybridization
 - c. Separation
 - d. Detection/Measurement
 - 4. Test Formats
 - a. Filter Hybridization
 - b. Southern Blot
 - c. Northern Blot
 - d. In Situ Hybridization
 - e. Others
 - 5. Labeling Techniques
 - 6. Amplification Methods
 - Polymerase Chain Reaction
 - Temperature Cyclers
 - PCR Variations
 - Immuno-PCR
 - QC-PCR

DAP-PCR

Strand Displacement Activation

TMA

Ligase Chain Reaction

Branched DNA

Hybridization Protection Assay

Nucleic-Acid Sequence-Based Amplification

Self-Sustained Sequence Replicase

Others

Ampliprobe

CAR

CAS

CPT

Dendritic Polymer Technology

ISO-CR

LAT

Probe Networks

RAMP

Repair Chain Reaction

Rolling Circles

Sequence Independent Gene Amplification

Sequence Initiation Reaction

SISPA

Solid Phase Amplification

C. Detection Technologies

1. Radioactive Methods

a. Overview

b. Major Isotopes

P-32

S-35

H-3

I-125

2. Non-Isotopic Methods

a. Enzymatic Labels

b. Chemical Labeling

Indirect Chemical Labeling

Direct Chemical Labeling

c. Fluorescence

d. Chemiluminescence

- e. Electrical Conductivity
- D. Instrumentation Review
 - 1. Abbott LCx
 - 2. Beckman Coulter/Biomex FK
 - 3. Becton Dickinson SDA
 - 4. Bio-Rad GeneScope
 - 5. Gen-Probe Tigris
 - 6. Roche Cobas Amplicor
 - 7. Tecan LS Series
- E. Biochips: Genosensors, Microarrays, and Labs-on-the-Chip
 - Liquid Transportation and Mixing
 - Separation
 - Reaction
 - Detection
- F. Pharmacogenomics
- G. Major Applications
 - 1. 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
 - c. Antibiotic Susceptibility
- 2. 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

3. 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
- 4. 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
- 5. Paternity Testing/HLA Typing
- 6. 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
- H. Competing/complementing Technologies
 - 1. Monoclonal Antibodies/Immunoassays
 - 2. RNA Probes
 - 3. Two-Dimensional Electrophoresis
 - 4. Flow Cytometry

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

SPAIN

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Growth And Major Suppliers' Sales And Market Shares

MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

- A. Instrumentation
- B. Reagent Kits and Test Systems/panels
- C. Computers, Software and Automation
- D. Auxiliary Products

DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

ALTERNATIVE MARKET PENETRATION STRATEGIES

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies For Decentralized Testing Markets
 - 1. Marketing Approaches
 - 2. Product Complexity
 - 3. Customer Preference
 - 4. Established Suppliers
 - 5. Emerging Suppliers
 - 6. Major Types Of Distributors
 - 7. Market Segmentation

POTENTIAL MARKET ENTRY BARRIERS AND RISKS

- A. Market Maturity
- B. Cost Containment

- C. Competition
- D. Technological Edge And Limitations
- E. Patent Protection
- F. Regulatory Constraints
- G. Decentralized Testing Market Challenges

COMPETITIVE PROFILES

Abbott
Affymetrix
Agilent
Applied Gene Technologies
Arca
Beckman Coulter/Danaher
Becton Dickinson
Biokit
BioMerieux
Bio-Rad
Biotest
Caliper
Cepheid
Decode
Diadexus
Eiken
Enzo
Exact Sciences
Fujirebio
Gen-Probe
Hologic
Illumina
Innogenetics/Solvay
Kreatech
Li-Cor Biosciences
Life Technologies
Monogram Biosciences
Myriad Genetics
Nanogen/Elitech
Novartis
Orchid CellMark

Ortho-Clinical Diagnostics
Proteome Sciences
Qiagen
Roche
Scienion
Sequenom
Shimadzu
Siemens
Sierra Molecular
Takara Bio
Tecan Group

APPENDIXES

Appendix I: Major Universities and Research Centers Developing NAT Technology
Appendix II: Glossary of Terms
Appendix III: Currency Exchange Rates

List Of Tables

LIST OF TABLES

Major Companies Developing or Marketing AIDS NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Adenovirus NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Campylobacter NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Chlamydia NAT 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 Gonorrhoea NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Hepatitis NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Herpes NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Legionella NAT And Other Direct Identification Tests

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

Major Companies Developing or Marketing Mycoplasma NAT And Other Direct Identification Tests

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

Major Companies Developing or Marketing Pneumonia NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Salmonella NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Shigella NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Streptococci NAT And Other Direct Identification Tests

Major Companies Developing or Marketing Toxoplasmosis NAT And Other Direct Identification Tests

Identification Tests

Major Companies Developing or Marketing Tuberculosis NAT And Other Direct Identification Tests

Oncogenes Potential Application in Cancer Diagnosis

Major Companies Developing or Marketing Cancer NAT Tests

Major Companies Developing or Marketing NAT Assays For Genetic Diseases

Summary Table Spain, NAT Test Volume And Sales Forecast by Major Application

Spain, Laboratories Performing DNA Sequencing by Market Segment

Spain, NAT Market, Potential Laboratory Universe by Market Segment

Spain, NAT Test Volume Forecast by Major Application

Spain, Major Infectious Disease NAT Test Volume Forecast

Spain, Infectious Disease Screening NAT Volume Forecast

Spain, NAT Market Forecast By Major Application

Spain, Infectious Disease Screening Nat

Reagent Market Forecast by Test

Spain, NAT Market By Major Supplier

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

I would like to order

Product name: Spanish Nucleic Acid Testing Market 2014: Innovations, Trends and Opportunities for Suppliers

Product link: <https://marketpublishers.com/r/24CA2751F67EN.html>

Price: US\$ 5,360.00 (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 <https://marketpublishers.com/r/24CA2751F67EN.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

