

# 2024 Europe Nucleic Acid Testing (NAT) Analyzers and Reagent Market for 100 Assays: A 38-Country Analysis-Supplier Shares by Test, Competitive Strategies, Test Volume and Sales Segment Forecasts, Technology and Instrumentation Review

https://marketpublishers.com/r/21FEE31FD15EEN.html

Date: September 2020

Pages: 1273

Price: US\$ 18,500.00 (Single User License)

ID: 21FEE31FD15EEN

# **Abstracts**

This new 1,273-page comprehensive five-country report from LeadingMarketResearch.com is designed to help current suppliers and potential market entrants identify and evaluate the major business opportunities emerging in the European molecular diagnostics market during the next five years.

The report is available by section, and can be customized to specific information needs and budget. The report explores business and technological trends in major European countries (France, Germany, Italy, Spain, UK); provides 5-year test volume/sales forecasts; estimates shares of leading competitors; compares features of major analyzers; profiles leading market players; and identifies specific product and business opportunities facing instrument and consumable suppliers during the next five years.

The \$4.5 billion molecular diagnostics market is unquestionably the most rapidly growing segment of the in vitro diagnostics industry. The next five years will witness significant developments in reagent systems and automation, as well as introduction of a wide range of new products that will require innovative marketing approaches. The rate of market penetration into routine clinical laboratories, however, will depend on the introduction of and cost-effective automated systems with amplification methods.

In order to successfully capitalize on the opportunities presented by the molecular diagnostics market, many companies are already exploiting new technologies as corporate strategic assets, managed in support of business and marketing strategies.



Integrating new technology planning with business and corporate strategies will be one of the most challenging tasks for diagnostics companies during the next five years.

Contains 1,273 pages and 139 tables



# **Contents**

### I. INTRODUCTION

### II. MAJOR PRODUCT DEVELOPMENT OPPORTUNITIES

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

### III. DESIGN CRITERIA FOR DECENTRALIZED TESTING PRODUCTS

# IV. ALTERNATIVE MARKET PENETRATION STRATEGIES

- A. Internal Development
- B. Collaborative Arrangements
- C. University Contracts
- D. Distribution Strategies for Decentralized Testing Markets

### V. 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

# VI. WORLDWIDE MARKET AND TECHNOLOGY REVIEW

- 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 Technologies
  - 1. Basic Principles
  - 2. Probe Preparation
  - 3. The DNA Probe Test
  - 4. Test Formats
  - 5. Labeling Techniques
  - 6. Amplification Methods
- C. Detection Technologies
  - 1. Radioactive Methods
  - 2. Non-Isotopic Methods
- D. Instrumentation

Review of latest analyzers from Abbott, Beckman Coulter/Danaher, ???? Becton Dickinson, bioMerieux, Bio-Rad, Cepheid, Hologic, Qiagen, Roche, ???? Siemens Healthineers, and others.

- E. Biochips: Genosensors, Microarrays, and Labs-on-the-Chip
- F. Pharmacogenomics
- G. Major Applications
  - 1. Microbiology/Infectious Diseases
    - a. Overview
    - b. Major Infectious Diseases

AIDS: HIV/HIV-1/2/Combo, HIVAg/HIV NAT, Western Blot, HTLV-I/II

Adenovirus

Aeromonas

Anthrax/Bacillus Anthracis

Arboviruses

**Babesiosis** 

Bacillary Epithelioid Angiomatosis (BEA) and Other Bartonella (Rochalimaea)

Blastocystis Hominis

Brucella

Campylobacter

Candida

Chagas Disease

Chancroid

Chlamydia



Clostridium Difficile

Coronaviruses

Coxsackieviruses

Creutzfeldt-Jakob's Disease

Cryptosporidium Parvum

Cyclospora Cayetanensis

Cytomegalovirus

Ebola Virus

E. Coli

**EchoVirus** 

Encephalitis

Enteroviruses

**Epstein-Barr Virus** 

Giardia Lamblia

Gonorrhea

Granuloma Inguinale

Hantavirus

Helicobacter Pylori

Hepatitis: HAV NAT, HBV NAT, HBs Ag, HCV, HCV NAT, AntiHBc, Anti-HBs, Anti-

HAV, Hepatitis Delta, HBc Ag, HBe Ag, ALT/SGPT

Herpes Simplex Virus

Human Herpes Virus-6 (HHV-6)

Influenza Viruses

Legionella

Lyme Disease

Lymphogranuloma Venereum (LGV)

Malaria

Measles (Rubeola)

Meningitis

Microsporidium

Mononucleosis

Mumps

Mycoplasma

Papillomaviruses

Parvovirus B19

Pneumonia

Polyomaviruses

Pseudomonas Aeruginosa

Rabies



Respiratory Syncytial Virus (RSV)
Rhinoviruses
Rotavirus
Rubella
Salmonellosis
Septicemia
Shigellosis
Staphylococcus Aureus
Streptococci
Syphilis
Toxoplasmosis
Trichomonas Vaginalis
Tuberculosis
Vibrio
West Nile Virus
Yersinia
2. Cancer Testing
a. Overview
b. Major Cancer Types
Prostate
Lung
Colon and Rectum
Breast
Skin
Uterine
Leukemia
Oral
c. Oncogenes
The report provides review of both current and emerging oncogenes, including:
Abl/abl-bcr
AIB1
BCL-2
BRCA1
CD44
C-fos
C-myb
C-myc
CYP17
Erb-B



ш	$\Box$	$\sim$	4
П	Г	C	ı

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** 

Hemochomatosis

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 and other

- i. Social Issues and Concerns
- 4. Forensic Testing
  - a. Overview
  - b. Multilocus and Single Locus Probes
  - c. The FBI
  - d. DNA Profile Data Banks
  - e. Judicial Implementation
  - f. Major Crime Categories
  - g. Factors Contributing to the DNA Probe Market Expansion
  - h. Wildlife Forensics
- 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

# VII. WORLDWIDE MARKET OVERVIEW

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

# **VIII. FRANCE MOLECULAR DIAGNOSTICS MARKET**



- A. Executive Summary
- **B.** Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, Major Supplier Sales and Market Shares

## IX. GERMANY MOLECULAR DIAGNOSTICS MARKET

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, Major Supplier Sales and Market Shares

### X. ITALY MOLECULAR DIAGNOSTICS MARKET

- A. Executive Summary
- **B.** Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, Major Supplier Sales and Market Shares

### XI. SPAIN MOLECULAR DIAGNOSTICS MARKET

- A. Executive Summary
- B. Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, Major Supplier Sales and Market Shares

# XII. U.K. MOLECULAR DIAGNOSTICS MARKET

- A. Executive Summary
- **B.** Business Environment
- C. Market Structure
- D. Market Size, Test Volume and Sales Forecasts, Major Supplier Sales and Market Shares



# XIII. COMPETITIVE ASSESSMENTS

The report provides strategic assessments of over 40 leading molecular diagnostic market players and start-up companies with innovative technologies and products, including:

Abbott, Agilent Technologies, Beckman Coulter/Danaher, Becton Dickinson, bioMerieux, Bio-Rad, Cepheid, DiaSorin, Eiken Chemical, Enzo, Fujirebio, Grifols, Hologic, Illumina, LabCorp/Sequenom, Leica Biosystems, Myriad Genetics, Ortho-Clinical Diagnostics, Qiagen, Quest Diagnostics, Quidel, Roche, Shimadzu, Siemens Healthineers, Sierra Molecular, Takara Bio, Tecan Group, Thermo Fisher, Wako and others.



# **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 Bartonella 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 Candida 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 Clostridium Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Coronavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Cryptosporidium 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 Echovirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Enterovirus 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 Giardia 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 Hantavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Helicobacter 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 Influenza 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 Measles Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Meningitis Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Mononucleosis Molecular Diagnostic and Other Direct Identification Tests

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

Major Companies Developing or Marketing RSV Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Rotavirus Molecular Diagnostic and Other Direct Identification Tests

Major Companies Developing or Marketing Rubella 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 Septicemia 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 Syphilis 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 Trichomonas 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 Tests for Genetic

Diseases

France

Molecular Diagnostics Test Volume And Sales By Major Application

France

Laboratories Performing DNA Sequencing By Market Segment

France

Molecular Diagnostics Market Potential Laboratory Universe by Market Segment

France

Molecular Diagnostics Test Volume By Major Application

France

Major Infectious Disease Test Volume by Assay

France

Major Infectious Disease Test Volume by Method

France

Molecular Diagnostics Market By Major Application

France

Molecular Diagnostics Market Estimated Sales and Market Shares of Major Suppliers

France

Major Infectious Disease Diagnostics Market by Assay

France

AIDS Testing Market Estimated Sales by Major Supplier

France

Adenovirus Testing Market Estimated Sales by Major Supplier

France

Chlamydia Testing Market Estimated Sales by Major Supplier

France

CMV Testing Market Estimated Sales by Major Supplier

France

Gonorrhea Testing Market Estimated Sales by Major Supplier

France

Hepatitis Testing Market Estimated Sales by Major Supplier

France



Hepatitis C Testing Market Estimated Sales by Major Supplier

France

HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier

France

Herpes Testing Market Estimated Sales by Major Supplier

France

Influenza Testing Market Estimated Sales by Major Supplier

France

Meningitis Testing Market Estimated Sales by Major Supplier

France

Mycoplasma Testing Market Estimated Sales by Major Supplier

France

RSV Testing Market Estimated Sales by Major Supplier

France

Shigella Testing Market Estimated Sales by Major Supplier

Germany

Molecular Diagnostics Test Volume and Sales By Major Application

Germany

Laboratories Performing DNA Sequencing By Market Segment

Germany

Molecular Diagnostics Market Potential Laboratory Universe by Market Segment

Germany

Molecular Diagnostics Test Volume By Major Application

Germany

Major Infectious Disease Test Volume by Assay

Germany

Major Infectious Disease Test Volume by Method

Germany

Molecular Diagnostics Market By Major Application

Germany

Molecular Diagnostics Market Estimated Sales and Market Shares of Major Suppliers

Germany

Major Infectious Disease Diagnostics Market by Assay

Germany

AIDS Testing Market Estimated Sales by Major Supplier

Germany

CMV Testing Market Estimated Sales by Major Supplier

Germany

EBV Testing Market Estimated Sales by Major Supplier



Germany

Gonorrhea Testing Market Estimated Sales by Major Supplier

Germany

Hepatitis Testing Market Estimated Sales by Major Supplier

Germany

Hepatitis C Testing Market Estimated Sales by Major Supplier

Germany

HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier

Germany

Herpes Testing Market Estimated Sales by Major Supplier

Germany

Influenza Testing Market Estimated Sales by Major Supplier

Germany

Meningitis Testing Market Estimated Sales by Major Supplier

Germany

Mycoplasma Testing Market Estimated Sales by Major Supplier

Germany

Pneumonia Testing Market Estimated Sales by Major Supplier

Germany

RSV Testing Market Estimated Sales by Major Supplier

Germany

Rotavirus Testing Market Estimated Sales by Major Supplier

ltalv

Molecular Diagnostics Test Volume And Sales By Major Application

Italy

Laboratories Performing DNA Sequencing By Market Segment

Italy

Molecular Diagnostics Market Potential Laboratory Universe by Market Segment

ltaly

Molecular Diagnostics Test Volume By Major Application

Italy

Major Infectious Disease Test Volume by Assay

Italy

Major Infectious Disease Test Volume by Method

Italy

Molecular Diagnostics Market By Major Application

Italy

Molecular Diagnostics Market Estimated Sales and Market Shares of Major Suppliers

Italy



Major Infectious Disease Diagnostics Market by Assay

Italy

AIDS Testing Market Estimated Sales by Major Supplier

ltaly

CMV Testing Market Estimated Sales by Major Supplier

Italy

Gonorrhea Testing Market Estimated Sales by Major Supplier

Italy

Hepatitis Testing Market Estimated Sales by Major Supplier

Italy

Hepatitis C Testing Market Estimated Sales by Major Supplier

Italy

HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier

Italy

Herpes Testing Market Estimated Sales by Major Supplier

Italy

Influenza Testing Market Estimated Sales by Major Supplier

Italy

Meningitis Testing Market Estimated Sales by Major Supplier

Italy

Mycoplasma Testing Market Estimated Sales by Major Supplier

Italy

RSV Testing Market Estimated Sales by Major Supplier

Spain

Molecular Diagnostics Test Volume And Sales By Major Application

Spain

Laboratories Performing DNA Sequencing By Market Segment

Spain

Molecular Diagnostics Market Potential Laboratory Universe by Market Segment

Spain

Molecular Diagnostics Test Volume By Major Application

Spain

Major Infectious Disease Test Volume by Assay

Spain

Major Infectious Disease Test Volume by Method

Spain

Molecular Diagnostics Market By Major Application

Spain

Molecular Diagnostics Market Estimated Sales and Market Shares of Major Suppliers



Spain

Major Infectious Disease Diagnostics Market by Assay

Spain

AIDS Testing Market Estimated Sales by Major Supplier

Spain

Chlamydia Testing Market Estimated Sales by Major Supplier

Spain

CMV Testing Market Estimated Sales by Major Supplier

Spain

Gonorrhea Testing Market Estimated Sales by Major Supplier

Spain

Hepatitis Testing Market Estimated Sales by Major Supplier

Spain

Hepatitis C Testing Market Estimated Sales by Major Supplier

Spain

HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier

Spain

Herpes Testing Market Estimated Sales by Major Supplier

Spain

Influenza Testing Market Estimated Sales by Major Supplier

Spain

Meningitis Testing Market Estimated Sales by Major Supplier

Spain

Mycoplasma Testing Market Estimated Sales by Major Supplier

U.K.

Molecular Diagnostics Test Volume And Sales By Major Application

U.K.

Laboratories Performing DNA Sequencing By Market Segment

U.K.

Molecular Diagnostics Market Potential Laboratory Universe by Market Segment

U.K.

Molecular Diagnostics Test Volume By Major Application

U.K.

Major Infectious Disease Test Volume by Assay

U.K.

Major Infectious Disease Test Volume by Method

U.K.

Molecular Diagnostics Market By Major Application

U.K.



Molecular Diagnostics Market Estimated Sales And Market Shares of Major Suppliers U.K.

Major Infectious Disease Diagnostics Market by Assay

U.K.

AIDS Testing Market Estimated Sales by Major Supplier

U.K.

Gonorrhea Testing Market Estimated Sales by Major Supplier

U.K

Hepatitis Testing Market Estimated Sales by Major Supplier

U.K.

Hepatitis C Testing Market Estimated Sales by Major Supplier

U.K.

HIV/Hepatitis Blood Screening NAT Market Reagent Sales by Major Supplier

U.K.

Influenza Testing Market Estimated Sales by Major Supplier

U.K.

Mycoplasma Testing Market Estimated Sales by Major Supplier

U.K.

Pneumonia Testing Market Estimated Sales by Major Supplier

U.K.

Shigella Testing Market Estimated Sales by Major Supplier



# I would like to order

Product name: 2024 Europe Nucleic Acid Testing (NAT) Analyzers and Reagent Market for 100 Assays:

A 38-Country Analysis-Supplier Shares by Test, Competitive Strategies, Test Volume and

Sales Segment Forecasts, Technology and Instrumentation Review

Product link: https://marketpublishers.com/r/21FEE31FD15EEN.html

Price: US\$ 18,500.00 (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 <a href="https://marketpublishers.com/r/21FEE31FD15EEN.html">https://marketpublishers.com/r/21FEE31FD15EEN.html</a>

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 <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

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