

# 2024 Austria Nucleic Acid Testing (NAT) Market for 100 Assays: Supplier Shares and Strategies, Country Volume and Sales Segment Forecasts-Infectious and Genetic Diseases, Cancer, Forensic and Paternity Testing

https://marketpublishers.com/r/A9EAC42AF4D4EN.html

Date: July 2020 Pages: 1120

Price: US\$ 2,850.00 (Single User License)

ID: A9EAC42AF4D4EN

# **Abstracts**

This new report from LeadingMarketResearch.com is designed to help current suppliers and potential market entrants identify and evaluate emerging opportunities in the molecular diagnostics market during the next five years. The report is available by section, and can be customized to specific information needs and budget.

## Highlights

Five-year test volume and sales forecasts

Feature comparison of major analyzers

Profiles of market players and start-up firms developing innovative technologies and products

Specific product and business opportunities for instrument and consumable suppliers

#### Rationale

The 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 cost-effective and 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 molecular 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 diagnostic companies during the next five years.

Market Segmentation Analysis

Five-year test volume and sales forecasts for major applications, including: Infectious Diseases

Forensic Testing

Cancer

Paternity Testing/HLA Typing

Genetic Diseases

Others

Five-year test volume and sales projections for over 30 NAT assays.

Product/Technology Review

Comparison of leading molecular diagnostic analyzers.

Review of molecular diagnostic technologies, test formats, detection methodologies, trends in testing automation and over 30 target/signal amplification methods, including:

**PCR** 



bDNA		
SDA		
NASBA		
TMA		
SSSR, a	and others	
LCR		
•	versities and research centers developing new molecular nologies and products.	
Competitive Assessmen	nts	
	jor suppliers and emerging market entrants, including thei ceting tactics, collaborative arrangements and new n R&D.	ir sales
Opportunities and Strate	egic Recommendations	
	velopment opportunities with potentially significant marke ne next five years.	t
Alternative mark	ket penetration strategies.	
Potential market	t entry barriers and risks.	
Business plannir	ng issues and concerns.	

Contains 1,120 pages and 48 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. 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, Anti-HBc, 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
Yersina
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
E L D

Erb-B



		$\sim$	4
н	$\mathbf{\nu}$	•	7
		١,	

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

- 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. W ater Contamination
  - i. Other
- H. Competing/Complementing Technologies
  - 1. Monoclonal Antibodies/Immunoassays
  - 2. RNA Probes
  - 3. Two-Dimensional Electrophoresis
  - 4. Flow Cytometry

## I. MOLECULAR DIAGNOSTICS MARKET

## J. Competitive Assessments

The report provides strategic assessments of over 40 leading molecular diagnostics 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, OrthoClinical 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

Molecular Diagnostics Test Volume and Sales Forecasts by Major Application Molecular Diagnostics Test Volume by Major Application Major Infectious Disease Test Volume by Assay Major Infectious Disease Test Volume by Method Molecular Diagnostics Market by Major Application Major Infectious Disease Diagnostics Market by Assay Major Companies Developing or Marketing Salmonella Molecular Diagnostic Tests Major Companies Developing or Marketing AIDS Molecular Diagnostic Tests Major Companies Developing or Marketing Adenovirus Molecular Diagnostic Tests Major Companies Developing or Marketing Bartonella Molecular Diagnostic Tests Major Companies Developing or Marketing Campylobacter Molecular Diagnostic Tests Major Companies Developing or Marketing Candida Molecular Diagnostic Tests Major Companies Developing or Marketing Chlamydia Molecular Diagnostic Tests Major Companies Developing or Marketing Clostridium Molecular Diagnostic Tests Major Companies Developing or Marketing Coronavirus Molecular Diagnostic Tests Major Companies Developing or Marketing Cryptosporidium Molecular Diagnostic Tests Major Companies Developing or Marketing CMV Molecular Diagnostic Tests Major Companies Developing or Marketing Echovirus Molecular Diagnostic tests Major Companies Developing or Marketing Enterovirus Molecular Diagnostic tests Major Companies Developing or Marketing EBV Molecular Diagnostic Tests Major Companies Developing or Marketing Giardia Molecular Diagnostic Tests Major Companies Developing or Marketing Gonorrhea Molecular Diagnostic Tests Major Companies Developing or Marketing Hantavirus Molecular Diagnostic Tests Major Companies Developing or Marketing Helicobacter Molecular Diagnostic Tests Major Companies Developing or Marketing Hepatitis Molecular Diagnostic Tests Major Companies Developing or Marketing Herpes Molecular Diagnostic Tests Major Companies Developing or Marketing Influenza Molecular Diagnostic Tests Major Companies Developing or Marketing Legionella Molecular Diagnostic Tests Major Companies Developing or Marketing Lyme Disease Molecular Diagnostic Tests Major Companies Developing or Marketing Measles Molecular Diagnostic Tests Major Companies Developing or Marketing Meningitis Molecular Diagnostic Tests Major Companies Developing or Marketing Mononucleosis Molecular Diagnostic Tests Major Companies Developing or Marketing Mumps Molecular Diagnostic Tests Major Companies Developing or Marketing Mycoplasma Molecular Diagnostic Tests Major Companies Developing or Marketing Pneumonia Molecular Diagnostic Tests



Major Companies Developing or Marketing RSV Molecular Diagnostic Tests
Major Companies Developing or Marketing Rotavirus Molecular Diagnostic Tests
Major Companies Developing or Marketing Rubella Molecular Diagnostic Tests
Major Companies Developing or Marketing Septicemia Molecular Diagnostic Tests
Major Companies Developing or Marketing Shigella Molecular Diagnostic Tests
Major Companies Developing or Marketing Streptococci Molecular Diagnostic Tests
Major Companies Developing or Marketing Syphilis Molecular Diagnostic Tests
Major Companies Developing or Marketing Toxoplasmosis Molecular Diagnostic Tests
Major Companies Developing or Marketing Trichomonas Molecular Diagnostic Tests
Major Companies Developing or Marketing Tuberculosis Molecular Diagnostic Tests
Oncogenes Potential Application in Cancer Diagnosis
Major Companies Developing or Marketing Cancer Molecular Diagnostic Tests
Major Companies Developing or Marketing Cancer Molecular Diagnostic Tests
Major Companies Developing or Marketing Molecular Diagnostic Tests
For Genetic
Diseases



## I would like to order

Product name: 2024 Austria Nucleic Acid Testing (NAT) Market for 100 Assays: Supplier Shares and

Strategies, Country Volume and Sales Segment Forecasts-Infectious and Genetic

Diseases, Cancer, Forensic and Paternity Testing

Product link: https://marketpublishers.com/r/A9EAC42AF4D4EN.html

Price: US\$ 2,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/A9EAC42AF4D4EN.html">https://marketpublishers.com/r/A9EAC42AF4D4EN.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