

2024 Pakistan Molecular Diagnostic Analyzers and Reagent Market Shares and Forecasts for 100 Tests: Infectious and Genetic Diseases, Cancer, Forensic and Paternity Testing-Supplier Strategies, Emerging Technologies, Latest Instrumentation, Growth Opportunities

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# **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, and others

LCR

Companies, universities and research centers developing new moleculardiagnostic technologies and products.

**Competitive Assessments** 

Strategic profiles of major suppliers and emerging market entrants, including their sales, product portfolios, marketing tactics, collaborative arrangements and new technologies/products in R&D.

Opportunities and Strategic Recommendations

New product development opportunities with potentially significant market appeal during the next five years.

Alternative market penetration strategies.

Potential market entry barriers and risks.

Business planning issues and concerns.

Contains 1,120 pages and 48 tables



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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
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  - 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

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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 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

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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.



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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 Major Companies Developing or Marketing Tuberculosis Molecular Diagnostic Tests Major Companies Developing or Marketing Tuberculosis Molecular Diagnostic Tests Major Companies Developing or Marketing Tuberculosis Molecular Diagnostic Tests Major Companies Developing or Marketing Tuberculosis Molecular Diagnostic Tests 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 Major Companies Developing or Marketing States Major Companies Developing or Marketing Cancer Molecular Diagnostic Tests Major Companies Developing or Marketing Molecular Diagnostic Tests Major Companies Developing or Marketing Molecular Diagnostic Tests For Genetic Diseases



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