



EffeMarket



Global Molecular Diagnostics Market Report, 2026

September 2018

Table of Contents

- 1 Executive Summary**
- 2 Molecular Diagnostics: Introduction**
 - History of Molecular Diagnostic**
 - Concepts of Molecular Diagnostics**
 - Accuracy and Precision**
 - Sensitivity and Specificity
 - Molecular Diagnostic Applications and Technologies:
 - Molecular Diagnostic Techniques**
 - Polymerase Chain Reaction (PCR)
 - Real-Time qPCR
 - In Situ Hybridization (ISH or FISH)
 - DNA chips and Microarrays
 - Mass spectrometry (MS)
 - Sanger Sequencing (CE)
 - Next Generation Sequencing (NGS)
 - Molecular Diagnostic Applications**
 - Oncology
 - Infectious Diseases
 - Respiratory Disorders
 - Hematology Disorders
- 3 Market Size of Molecular Diagnostics**
 - Global Molecular Diagnostics Market**
 - Region wise molecular diagnostics market
 - Global Molecular Diagnostics Market by Indication
 - Global Molecular Diagnostics Market by Technologies
 - North America Molecular Diagnostics Market**
 - North America Molecular Diagnostics Market by Indication
 - North America Molecular Diagnostics Market by Technologies
 - Europe Molecular Diagnostics Market**
 - Europe Molecular Diagnostics Market by Indication
 - Europe Molecular Diagnostics Market by Technologies
 - Asia-Pacific Molecular Diagnostics Market**
 - Asia-Pacific Molecular Diagnostics Market by Indication
 - Asia-Pacific Molecular Diagnostics Market by Technologies
- 4 Patent Landscape**
 - Overall IP Trends in Molecular Diagnostics
 - Patent Trends by Focus Area
 - Patent Trends by Techniques
 - Patent Trends by Targeted Organism
 - Patent Trends by Disease Application

Key Patents in the domain

Patent Trends by Key Players

Key Players role in patent focus

Key Players role in Disease Application

Key Players collaboration

Patent Trends by Key Inventors

Top Inventors actively associated with the key players

5 Market Dynamics

Drivers

Rising Incidence of infectious diseases and cancer

Benefits of Molecular diagnostics test over Traditional Tests

Personalized medicine & Biomarker

Technological advancement

Restraints

The high cost of molecular diagnostics tests

Regulatory issues related to molecular diagnostics test

6 Company Overview

BioMerieux SA

Business Overview

Financial Overview

Acquisition

Product profile

Hoffmann-La Roche Ltd

Business Overview

Financial Overview

Product profile

Abbott Laboratories

Business Overview

Financial Overview

Product profile

Hologic Inc

Business Overview

Financial Overview

Product profile

Siemens Healthcare GmbH

Business Overview

Financial Overview

Product Profile

Qiagen N.V.

Business Overview

Financial Overview

Cepheid Inc (Subsidiary of Danaher Corporation)

Business Overview

Financial Overview

Acquisitions

Product Profile

Becton, Dickinson and Company (BD)

Business Overview

Financial Overview

Acquisition

Product Profile

Myriad Genetics

Business Overview

Financial Overview

Acquisition

7 About EffeMarket

8 Disclaimer

9 Contact US

List of Figures

- Figure 1: Historical View of Molecular Diagnostics (1/1)
- Figure 2: Historical View of Molecular Diagnostics (1/2)
- Figure 3: Diagnostic Pathway
- Figure 4: Application of Molecular Diagnostics
- Figure 5: Polymerase Chain Reaction
- Figure 6: Global Molecular Diagnostics Market in USD Million:2016-2026
- Figure 7: Region wise Molecular Diagnostics Market in USD Million:2017
- Figure 8: Global Molecular Diagnostics Market by Indication:2016-2026
- Figure 9: Global Molecular Diagnostics Market by Technologies in USD Millon (2016-2026)
- Figure 10: North America Molecular Diagnostics Market in USD Million (2016-2026)
- Figure 11: North America Molecular Diagnostics Market by Indication in USD Million (2016-2026)
- Figure 12: North America Molecular Diagnostics Market by technologies in USD Million (2016-2026)
- Figure 13: Europe Molecular Diagnostics Market in USD Million (2016-2026)
- Figure 14: Europe Molecular Diagnostics Market in USD Million (2016-2026)
- Figure 15: Europe Molecular Diagnostics Market by technologies in USD Million (2016-2026)
- Figure 16: Asia-Pacific Molecular Diagnostics Market in USD Million (2016-2026)
- Figure 17: Asia-Pacific Molecular Diagnostics Market by Indication in USD Million (2016-2026)
- Figure 18: Asia-Pacific Molecular Diagnostics Market by technologies in USD Million (2016-2026)
- Figure 19: Publication Year Trend
- Figure 20: Top Earliest Priority Country Filing Trend
- Figure 21: Molecular Diagnostics - Patent Focus
- Figure 22: Molecular Diagnostics - Techniques
- Figure 23: Molecular Diagnostics - Targeted Organism
- Figure 24: Key Patent Holders (Legal Assignees)
- Figure 25: Top Inventors in the domain
- Figure 26: BioMerieux SA Revenue by Business Segments: 2013-17
- Figure 27: FilmarrayMultiplex PCR
- Figure 28: FilmarrayMultiplex PCR Specification
- Figure 29: F. Hoffmann-La Roche Revenue by Business Segment:2013-17
- Figure 30: Abbott Revenue Molecular Diagnostics: 2015-17
- Figure 31: Abbott Revenue Diagnostics: 2013-17
- Figure 32: Abbott Revenue by Business Segment: 2013-17
- Figure 33: Hologic Revenue: 2013-17
- Figure 34: Hologic Revenue Diagnostics: 2013-17
- Figure 35: Panther System
- Figure 36: Siemens Healthineers Revenue by Business Segments: 2015-17
- Figure 37: VERSANT kPCR System
- Figure 38: QIAGEN N.V. Revenue Molecular diagnostics: 2013-17
- Figure 39: QIAGEN N.V. Revenue 2013-17
- Figure 40: Cepheid Revenue 2015-17
- Figure 41: Genexpert System
- Figure 42: Becton, Dickinson and Company Revenue in USD Million 2017
- Figure 43: Myriad Genetics Revenue 2015-2017

List of Tables

- Table 1: Global Molecular Diagnostics Market in USD Million (2016-2026)
- Table 2: Global Molecular Diagnostics Market Size by Indication in USD Million (2016-2026)
- Table 3: Global Molecular Diagnostics Market Size by technologies in USD Million (2016-2026)
- Table 4: North America Molecular Diagnostics Market in USD Million (2016-2026)
- Table 5: North America Molecular Diagnostics Market Size by Indication in USD Million (2016-2026)
- Table 6: North America Molecular Diagnostics Market Size by technologies in USD Million (2016-2026)
- Table 7: Europe Molecular Diagnostics Market in USD Million (2016-2026)
- Table 8: Europe Molecular Diagnostics Market Size by Indication in USD Million (2016-2026)
- Table 9: Europe Molecular Diagnostics Market Size by technologies in USD Million (2016-2026)
- Table 10: Asia-Pacific Molecular Diagnostics Market in USD Million (2016-2026)
- Table 11: Asia-Pacific Molecular Diagnostics Market Size by Indication in USD Million (2016-2026)
- Table 12: Asia-Pacific Molecular Diagnostics Market Size by technologies in USD Million (2016-2026)
- Table 13: Molecular Diagnostics - Patent Focus (2015-2018)
- Table 14: Molecular Diagnostics - Techniques (2015-2018)
- Table 15: Molecular Diagnostics - Disease Application (2015-2018)
- Table 16: Key Patents in the domain
- Table 17: Key Players Year Wise Patent Publication (2015-2018)
- Table 18: Key Players role in patent focus
- Table 19: Key Players role in Techniques
- Table 20: Key Players role in Techniques
- Table 21: Key Players collaboration
- Table 22: Key Players collaboration
- Table 23: Filmarray Multiplex PCR Specification

Executive Summary

In diagnosis, molecular diagnostics brought transformative changes leading to insight in research and treatment of many diseases.

Molecular diagnostics detect and measure the presence of genetic material or proteins associated with a specific health condition or disease, helping to uncover the underlying mechanisms of disease and enabling clinicians to tailor care at an individual level.

Molecular diagnostics is laboratory tests used to identify a disease, or the predisposition to a disease, by analyzing DNA- (deoxyribonucleic acid) or RNA (ribonucleic acid) or their proteins, in humans or, in the case of infections, in microbes. It includes all tests and methods to identify a disease and understand the predisposition for a disease analyzing DNA or RNA of an organism.

With the help of molecular diagnostic, the understanding of diseases is now possible at much earlier stage, which is not possible using traditional methods and it also facilitates understanding of gene pattern and detecting of cell behavior.

The market value for molecular diagnostics is expected to reach 19,683 Million in 2026. North America accounts for the highest market share followed by Europe and Asia-Pacific. In 2017, North America holds the market value of USD 3730 Million.

The market is driven by increasing number of incidence and prevalence of diseases like cancer, infectious disease, respiratory disorders, hematology disorders etc. Research and development of techniques in molecular diagnostics also influences the market.

Molecular diagnostics tests are applied in the area of infectious disease like human immunodeficiency virus(HIV), influenza virus detection etc., oncological disease like breast cancer, prostate cancer, colorectal cancer, lung cancer etc., respiratory diseases like cystic fibrosis etc. In hematological diseases like acute myeloid leukemia etc., molecular diagnostics tests are helpful.

Biomarkers detection for cancer disease are also done through molecular diagnostics tests.

Molecular diagnostics tests include technologies like polymerase chain reaction (PCR), next generation sequencing (NGS), In situ hybridization (ISH), mass spectrometry etc., used for the detection. Now a days, these technologies are getting advanced and automated that reduce the labor and time of results.

Roche is covering the maximum market with approximately 26 percent. Its product Cobas system is being used widely in the diagnosis of human papilloma virus (HPV), Staphylococcus aureus(SA)

and methicillin-resistant Staphylococcus aureus(MRSA), Serine/threonine-protein kinase B-raf Rapidly Accelerated Fibrosarcoma (BRAF) mutation test, Epidermal Growth Factor Receptor (EGFR) test etc.

Hologic Inc shares the approximately 15 percent of molecular diagnostics market. Panther system, a proprietary product of the company, used in the diagnosis of influenza A virus, influenza B virus, respiratory syncytial virus, human metapneumovirus, rhinovirus, parainfluenza virus, gram-positive bacterium Streptococcus agalactiae etc.

In 2016, Danaher Corporation acquired the Cepheid Inc a molecular diagnostics company. In August 2016, the Myriad genetics completed the acquisition of Assurex Health, Inc. In May 2016, Myriad genetics completed the acquisition of Sividon Diagnostics GmbH, a leading breast cancer prognostic company.

Key Question Covered:

1. Molecular diagnostics Applications
2. Global Market size of Molecular diagnostic
3. Global Market size of Molecular diagnostics by application
4. Global Market size of Molecular diagnostics by technologies
5. North America Market size of Molecular Diagnostics
6. North America Market size of Molecular diagnostics by application
7. North America Market size of Molecular diagnostics by technologies
8. Europe Market size of Molecular Diagnostics
9. Europe Market size of Molecular diagnostics by application
10. Europe Market size of Molecular diagnostics by technologies
11. Asia-Pacific Market size of Molecular Diagnostics
12. Asia-Pacific Market size of Molecular diagnostics by application
13. Asia-Pacific Market size of Molecular diagnostics by technologies
14. Patent Landscape
15. Market Drivers & Resistors
16. Companies and Product Profile

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