

# **Epigenetics Market Size, Trends, Analysis, and Outlook By Product (Reagents, Kits, Instruments, Enzymes, Services), By Application (DNA Methylation, Histone Methylation, Histone Acetylation, Large non - coding RNA, MicroRNA modification, Chromatin structures), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Epigenetics market size is poised to register 15.84% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Epigenetics market across By Product (Reagents, Kits, Instruments, Enzymes, Services), By Application (DNA Methylation, Histone Methylation, Histone Acetylation, Large non - coding RNA, MicroRNA modification, Chromatin structures).

The epigenetics market is witnessing rapid growth attributed to advancements in epigenetic research, increasing funding for epigenetics research initiatives, and rising applications of epigenetic technologies in drug discovery, diagnostics, and personalized medicine. Epigenetics refers to the study of changes in gene expression or cellular phenotype that do not involve alterations in the underlying DNA sequence, such as DNA methylation, histone modifications, and non-coding RNA regulation. Factors such as the growing understanding of the role of epigenetic mechanisms in various diseases, including cancer, cardiovascular diseases, and neurological disorders, are driving demand for epigenetics research tools and services. Additionally, the development of high-throughput sequencing technologies, next-generation sequencing (NGS) platforms, and bioinformatics tools for epigenomic analysis is fueling innovation in the field and expanding research capabilities. Moreover, the increasing adoption of epigenetic

biomarkers for disease diagnosis, prognosis, and treatment response prediction, as well as the integration of epigenetic data into precision medicine approaches, are driving market growth. Furthermore, collaborations between academic research institutions, pharmaceutical companies, and government organizations to advance epigenetics research, coupled with the growing investments in biomarker discovery and companion diagnostics development, are expected to further propel market expansion in the coming years.

## Epigenetics Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Epigenetics market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Epigenetics survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Epigenetics industry.

## Key market trends defining the global Epigenetics demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## Epigenetics Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Epigenetics industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Epigenetics companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the Epigenetics industry

Leading Epigenetics companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand

conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Epigenetics companies.

### Epigenetics Market Study- Strategic Analysis Review

The Epigenetics market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### Epigenetics Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Epigenetics industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### Epigenetics Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

### North America Epigenetics Market Size Outlook- Companies plan for focused

investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Epigenetics market segments. Similarly, Strong end-user demand is encouraging Canadian Epigenetics companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Epigenetics market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Epigenetics Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Epigenetics industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Epigenetics market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific Epigenetics Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Epigenetics in Asia Pacific. In particular, China, India, and South East Asian Epigenetics markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Epigenetics Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Epigenetics Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Epigenetics market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Epigenetics.

Epigenetics Market Company Profiles

The global Epigenetics market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Thermo Fisher Scientific Inc. (US), Illumina, Inc. (US), PacBio (US), Abcam plc (UK), Merck KGaA (Germany), Active Motif Inc. (US), Bio-Rad Laboratories Inc. (US), Promega Corporation (US), Revvity (US), Qiagen (Germany), New England Biolabs (US), Zymo Research Corporation (US), Diagenode SA (US), F. Hoffmann-La Roche Ltd (Switzerland), Epigentek Group Inc. (US), EpiCypher (US), Fios Genomics (UK), Genomescan (Netherlands), Creative Biogene (US), BPS Bioscience Inc. (US), Abnova Corporation (Taiwan), Creative Diagnostics (US), biomodal (UK), Integrated DNA Technologies Inc. (US), Novogene Co Ltd

Recent Epigenetics Market Developments

The global Epigenetics market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

## Epigenetics Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

### Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

### Market Segmentation:

By Product

Reagents

Kits

-ChIP sequencing kit

-Whole Genomic Amplification kit

-Bisulfite Conversion kit

-RNA sequencing kit

-Others

Instruments

Enzymes

Services

By Application

DNA Methylation

Histone Methylation

Histone Acetylation

Large non - coding RNA

MicroRNA modification

Chromatin structures

By Technology

Oncology

-Solid tumors

-Liquid tumors

Non - oncology

-Inflammatory diseases

-Metabolic diseases

-Infectious diseases

-Cardiovascular diseases

-Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Thermo Fisher Scientific Inc. (US)

Illumina, Inc. (US)

PacBio (US)

Abcam plc (UK)

Merck KGaA (Germany)

Active Motif Inc. (US)

Bio-Rad Laboratories Inc.(US)

Promega Corporation (US)

Revvity (US)



Qiagen (Germany)

New England Biolabs (US)

Zymo Research Corporation (US)

Diagenode SA (US)

F. Hoffmann-La Roche Ltd (Switzerland)

Epigentek Group Inc. (US)

EpiCypher (US)

Fios Genomics (UK)

Genomescan (Netherlands)

Creative Biogene (US)

BPS Bioscience Inc. (US)

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Formats Available: Excel, PDF, and PPT

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    - Kits
      - ChIP sequencing kit

- Whole Genomic Amplification kit
- Bisulfite Conversion kit
- RNA sequencing kit
- Others

Instruments

Enzymes

Services

By Application

DNA Methylation

Histone Methylation

Histone Acetylation

Large non - coding RNA

MicroRNA modification

Chromatin structures

By Technology

Oncology

-Solid tumors

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Non - oncology

-Inflammatory diseases

-Metabolic diseases

-Infectious diseases

-Cardiovascular diseases

-Others

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- Bio-Rad Laboratories Inc.(US)
- Promega Corporation (US)
- Revvity (US)
- Qiagen (Germany)
- New England Biolabs (US)
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