

Global DNA Methylation Detection Technology Market Size Study, by Product (Consumables, Instruments, Software), by Technology (PCR, Microarray, Sequencing, Other Technologies), by Application (Translational Research, Diagnostic Procedure), by End User (CRO, Research and Academic Laboratories, Biopharmaceutical and Biotech Companies, Other End User) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G103960B7AD6EN.html>

Date: August 2024

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G103960B7AD6EN

Abstracts

The Global DNA Methylation Detection Technology Market was valued at approximately USD 2.80 billion in 2023 and is projected to grow at a compound annual growth rate (CAGR) of 15.96% from 2024 to 2032. This impressive growth is driven by the increasing adoption of DNA methylation detection technology as epigenetic biomarkers, the rise in collaborations between academic institutions, and the proliferation of startups in the biotechnology and pharmaceutical industries. The market includes various consumables, instruments, and software, catering to the diverse needs of the field.

The Global DNA Methylation Detection Technology Market is in the mature growth stage, characterized by rapid expansion due to the increasing adoption of DNA methylation analysis tools and technologies in both research and clinical settings. The growing understanding of DNA methylation's role in various biological processes and diseases, combined with advancements in detection methods and analytical platforms, fuels the market's growth. Additionally, the rising demand for personalized medicine and precision diagnostics accelerates market expansion. Despite intensifying competition as more players enter the market, opportunities for innovation, product development, and market penetration continue to emerge.

The impact of the Global DNA Methylation Detection Technology Market spans various industries, revolutionizing healthcare, biotechnology, pharmaceuticals, and research. By enabling the identification of epigenetic biomarkers associated with disease susceptibility, progression, and treatment response, these technologies have advanced precision medicine approaches, allowing for personalized treatment strategies tailored to individual patients' genetic and epigenetic profiles. In drug discovery and development, DNA methylation analysis accelerates the identification of novel drug targets, biomarkers for patient stratification, and predictors of drug response, leading to the development of more effective and safer therapies. Moreover, these technologies are increasingly used in clinical diagnostics for early disease detection, diagnosis, and prognosis, offering high sensitivity and specificity for improved patient outcomes. The key regions considered for the Global DNA Methylation Detection Technology Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America is the leading region, driven by significant investments in genomics research, advanced healthcare infrastructure, and the presence of key market players. The fastest-growing region in this market is Asia-Pacific, owing to the increasing focus on personalized medicine, rising healthcare expenditures, and growing awareness about early disease diagnosis and prevention.

Major market players included in this report are:

ILLUMINA, Inc.
Thermo Fisher Scientific Inc.
QIAGEN N.V.
Zymo Research Corporation
Merck KGaA
New England Biolabs, Inc.
PerkinElmer, Inc.
Diagenode, Inc.
Pacific Biosciences of California, Inc.
Agilent Technologies, Inc.
Bio-Rad Laboratories, Inc.
EpigenDx, Inc.
Roche Holding AG
Oxford Nanopore Technologies Ltd.
Abcam plc

The detailed segments and sub-segment of the market are explained below:

By Product:

Consumables
Instruments
Software

By Technology:
Polymerase Chain Reaction (PCR)
Microarray
Sequencing
Other Technologies

By Application:
Translational Research
Diagnostic Procedure

By End User:
Contract Research Organization (CRO)
Research and Academic Laboratories
Biopharmaceutical and Biotech Companies
Other End User

By Region:
North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET EXECUTIVE SUMMARY

- 1.1. Global DNA Methylation Detection Technology Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Product
 - 1.3.2. By Technology
 - 1.3.3. By Application
 - 1.3.4. By End User
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET DYNAMICS

3.1. Market Drivers

3.1.1. Increasing Adoption of DNA Methylation Detection Technology as Epigenetic Biomarkers

3.1.2. Growing Collaborations Between Academic Institutions

3.1.3. Rising Startups in the Biotechnology and Pharmaceutical Industry

3.2. Market Challenges

3.2.1. Complexity in Data Interpretation of DNA Methylation Data

3.3. Market Opportunities

3.3.1. Expansion of DNA Methylation Detection in Emerging Geographies

CHAPTER 4. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.1.6. Futuristic Approach to Porter's 5 Force Model

4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.2.5. Environmental

4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET SIZE & FORECASTS BY PRODUCT 2022-2032

5.1. Segment Dashboard

5.2. Global DNA Methylation Detection Technology Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Consumables

5.2.2. Instruments

5.2.3. Software

CHAPTER 6. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032

6.1. Segment Dashboard

6.2. Global DNA Methylation Detection Technology Market: Technology Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. PCR

6.2.2. Microarray

6.2.3. Sequencing

6.2.4. Other Technologies

CHAPTER 7. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

7.1. Segment Dashboard

7.2. Global DNA Methylation Detection Technology Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

7.2.1. Translational Research

7.2.2. Diagnostic Procedure

CHAPTER 8. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET SIZE & FORECASTS BY END USER 2022-2032

8.1. Segment Dashboard

8.2. Global DNA Methylation Detection Technology Market: End User Revenue Trend Analysis, 2022 & 2032 (USD Billion)

8.2.1. Contract Research Organization (CRO)

8.2.2. Research and Academic Laboratories

8.2.3. Biopharmaceutical and Biotech Companies

8.2.4. Other End User

CHAPTER 9. GLOBAL DNA METHYLATION DETECTION TECHNOLOGY MARKET SIZE & FORECASTS BY REGION 2022-2032

- 9.1. North America DNA Methylation Detection Technology Market
 - 9.1.1. U.S. DNA Methylation Detection Technology Market
 - 9.1.1.1. Product breakdown size & forecasts, 2022-2032
 - 9.1.1.2. Technology breakdown size & forecasts, 2022-2032
 - 9.1.1.3. Application breakdown size & forecasts, 2022-2032
 - 9.1.1.4. End User breakdown size & forecasts, 2022-2032
 - 9.1.2. Canada DNA Methylation Detection Technology Market
- 9.2. Europe DNA Methylation Detection Technology Market
 - 9.2.1. U.K. DNA Methylation Detection Technology Market
 - 9.2.2. Germany DNA Methylation Detection Technology Market
 - 9.2.3. France DNA Methylation Detection Technology Market
 - 9.2.4. Spain DNA Methylation Detection Technology Market
 - 9.2.5. Italy DNA Methylation Detection Technology Market
 - 9.2.6. Rest of Europe DNA Methylation Detection Technology Market
- 9.3. Asia-Pacific DNA Methylation Detection Technology Market
 - 9.3.1. China DNA Methylation Detection Technology Market
 - 9.3.2. India DNA Methylation Detection Technology Market
 - 9.3.3. Japan DNA Methylation Detection Technology Market
 - 9.3.4. Australia DNA Methylation Detection Technology Market
 - 9.3.5. South Korea DNA Methylation Detection Technology Market
 - 9.3.6. Rest of Asia Pacific DNA Methylation Detection Technology Market
- 9.4. Latin America DNA Methylation Detection Technology Market
 - 9.4.1. Brazil DNA Methylation Detection Technology Market
 - 9.4.2. Mexico DNA Methylation Detection Technology Market
 - 9.4.3. Rest of Latin America DNA Methylation Detection Technology Market
- 9.5. Middle East & Africa DNA Methylation Detection Technology Market
 - 9.5.1. Saudi Arabia DNA Methylation Detection Technology Market
 - 9.5.2. South Africa DNA Methylation Detection Technology Market
 - 9.5.3. Rest of Middle East & Africa DNA Methylation Detection Technology Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company

10.2. Top Market Strategies

10.3. Company Profiles

10.3.1. Illumina, Inc.

10.3.1.1. Key Information

10.3.1.2. Overview

10.3.1.3. Financial (Subject to Data Availability)

10.3.1.4. Product Summary

10.3.1.5. Market Strategies

10.3.2. Thermo Fisher Scientific Inc.

10.3.3. QIAGEN N.V.

10.3.4. Zymo Research Corporation

10.3.5. Merck KGaA

10.3.6. New England Biolabs, Inc.

10.3.7. PerkinElmer, Inc.

10.3.8. Diagenode, Inc.

10.3.9. Pacific Biosciences of California, Inc.

10.3.10. Agilent Technologies, Inc.

10.3.11. Bio-Rad Laboratories, Inc.

10.3.12. EpigenDx, Inc.

10.3.13. Roche Holding AG

10.3.14. Oxford Nanopore Technologies Ltd.

10.3.15. Abcam plc

CHAPTER 11. RESEARCH PROCESS

11.1. Research Process

11.1.1. Data Mining

11.1.2. Analysis

11.1.3. Market Estimation

11.1.4. Validation

11.1.5. Publishing

11.2. Research Attributes

List Of Tables

LIST OF TABLES

- TABLE 1. Global DNA Methylation Detection Technology market, report scope
- TABLE 2. Global DNA Methylation Detection Technology market estimates & forecasts by Region 2022-2032 (USD Billion)
- TABLE 3. Global DNA Methylation Detection Technology market estimates & forecasts by Product 2022-2032 (USD Billion)
- TABLE 4. Global DNA Methylation Detection Technology market estimates & forecasts by Technology 2022-2032 (USD Billion)
- TABLE 5. Global DNA Methylation Detection Technology market estimates & forecasts by Application 2022-2032 (USD Billion)
- TABLE 6. Global DNA Methylation Detection Technology market estimates & forecasts by End User 2022-2032 (USD Billion)
- TABLE 7. Global DNA Methylation Detection Technology market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 8. Global DNA Methylation Detection Technology market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 9. Global DNA Methylation Detection Technology market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 10. Global DNA Methylation Detection Technology market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 11. Global DNA Methylation Detection Technology market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 12. Global DNA Methylation Detection Technology market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 13. Global DNA Methylation Detection Technology market by segment, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 14. Global DNA Methylation Detection Technology market by region, estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 15. U.S. DNA Methylation Detection Technology market estimates & forecasts, 2022-2032 (USD Billion)
- TABLE 16. U.S. DNA Methylation Detection Technology market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 17. U.S. DNA Methylation Detection Technology market estimates & forecasts by segment 2022-2032 (USD Billion)
- TABLE 18. Canada DNA Methylation Detection Technology market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada DNA Methylation Detection Technology market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 20. Canada DNA Methylation Detection Technology market estimates & forecasts by segment 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Global DNA Methylation Detection Technology market, research methodology
- FIG 2. Global DNA Methylation Detection Technology market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global DNA Methylation Detection Technology market, key trends 2023
- FIG 5. Global DNA Methylation Detection Technology market, growth prospects 2022-2032
- FIG 6. Global DNA Methylation Detection Technology market, porters 5 force model
- FIG 7. Global DNA Methylation Detection Technology market, PESTEL analysis
- FIG 8. Global DNA Methylation Detection Technology market, value chain analysis
- FIG 9. Global DNA Methylation Detection Technology market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global DNA Methylation Detection Technology market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global DNA Methylation Detection Technology market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global DNA Methylation Detection Technology market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global DNA Methylation Detection Technology market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global DNA Methylation Detection Technology market, regional snapshot 2022 & 2032
- FIG 15. North America DNA Methylation Detection Technology market 2022 & 2032 (USD Billion)
- FIG 16. Europe DNA Methylation Detection Technology market 2022 & 2032 (USD Billion)
- FIG 17. Asia pacific DNA Methylation Detection Technology market 2022 & 2032 (USD Billion)
- FIG 18. Latin America DNA Methylation Detection Technology market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa DNA Methylation Detection Technology market 2022 & 2032 (USD Billion)
- FIG 20. Global DNA Methylation Detection Technology market, company market share analysis (2023)

.....

This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global DNA Methylation Detection Technology Market Size Study, by Product (Consumables, Instruments, Software), by Technology (PCR, Microarray, Sequencing, Other Technologies), by Application (Translational Research, Diagnostic Procedure), by End User (CRO, Research and Academic Laboratories, Biopharmaceutical and Biotech Companies, Other End User) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G103960B7AD6EN.html>

Price: US\$ 4,950.00 (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 <https://marketpublishers.com/r/G103960B7AD6EN.html>

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**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

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