

Global Whole Genome Bisulfite Sequencing Market Growth 2022-2028

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Abstracts

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Whole genome bisulfite sequencing is a technology to detect methylation of all chromosome DNA in cells or tissues. Based on the fact that bisulfite can deaminate cytosine without methylation in DNA and convert it into uracil, while the methylated cytosine remains unchanged, PCR amplification of required fragments will convert all uracil into thymine, and then high-throughput sequencing of PCR products will be carried out. By analyzing the methylation difference between different samples, we can study the regulation of DNA methylation level on gene expression.

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The global market for Whole Genome Bisulfite Sequencing is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Whole Genome Bisulfite Sequencing market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Whole Genome Bisulfite Sequencing market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Whole Genome Bisulfite Sequencing market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Whole Genome Bisulfite Sequencing market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Whole Genome Bisulfite Sequencing players cover Illumina, Inc, Epigentek Group Inc, CD Genomics, Thermo Fisher Scientific, Inc and Novogene Co., Ltd, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage

This latest report provides a deep insight into the global Whole Genome Bisulfite Sequencing market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Whole Genome Bisulfite Sequencing market, with both quantitative and qualitative data, to help readers understand how the Whole Genome Bisulfite Sequencing market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in K Units.

Market Segmentation:

The study segments the Whole Genome Bisulfite Sequencing market and forecasts the market size by Type (Human Gene Testing and Animal Gene Testing,), by Application (Disease Surveillance, Forensic Identification, Fetal Detection and Other), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

Human Gene Testing

Animal Gene Testing

Segmentation by application

Disease Surveillance

Forensic Identification

Fetal Detection

Other

Segmentation by region

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

Major companies covered

Illumina, Inc

Epigentek Group Inc

CD Genomics

Thermo Fisher Scientific, Inc

Novogene Co., Ltd

PerkinElmer, Inc

Promega Corporation

Nebula Genomics

Agilent Technologies

Qiagen

Macrogen Inc

Oxford Nanopore Technologies plc

Veritas

BGI

Chapter Introduction

Chapter 1: Scope of Whole Genome Bisulfite Sequencing, Research Methodology, etc.

Chapter 2: Executive Summary, global Whole Genome Bisulfite Sequencing market size (sales and revenue) and CAGR, Whole Genome Bisulfite Sequencing market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Whole Genome Bisulfite Sequencing sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Whole Genome Bisulfite Sequencing sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and

economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Whole Genome Bisulfite Sequencing market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including Illumina, Inc, Epigentek Group Inc, CD Genomics, Thermo Fisher Scientific, Inc, Novogene Co., Ltd, PerkinElmer, Inc, Promega Corporation, Nebula Genomics and Agilent Technologies, etc.

Chapter 14: Research Findings and Conclusion

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