

Global Whole Genome and Exome Sequencing Market Growth (Status and Outlook) 2023-2029

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Abstracts

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Whole Genome Sequencing sequences the complete DNA of an organism. In the case of a human this corresponds to about three billion base pairs of DNA. Whole genome sequencing entails sequencing all coding (exons) and noncoding (intron) nuclear DNA as well as mitochondrial DNA. This allows researchers to generate large quantities of data, which can then be analyzed. The exome makes up only 1.5% of the whole human genome, however ALL protein coding genes are found in the exome. Since most genetic disorders are correlated with mutations in protein coding genes, most physicians and scientists who use sequencing technologies for diagnostic purposes start with an analysis of the exome.

LPI (LP Information)' newest research report, the "Whole Genome and Exome Sequencing Industry Forecast" looks at past sales and reviews total world Whole Genome and Exome Sequencing sales in 2022, providing a comprehensive analysis by region and market sector of projected Whole Genome and Exome Sequencing sales for 2023 through 2029. With Whole Genome and Exome Sequencing sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Whole Genome and Exome Sequencing industry.

This Insight Report provides a comprehensive analysis of the global Whole Genome and Exome Sequencing landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Whole Genome and Exome Sequencing portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these

firms' unique position in an accelerating global Whole Genome and Exome Sequencing market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Whole Genome and Exome Sequencing and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Whole Genome and Exome Sequencing.

The global Whole Genome and Exome Sequencing market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Whole Genome and Exome Sequencing is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Whole Genome and Exome Sequencing is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Whole Genome and Exome Sequencing is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Whole Genome and Exome Sequencing players cover Eurofins Scientific SE, Agilent Technologies, Inc, Beijing Genomics Institute (BGI), Hoffmann-La Roche Ltd, Bio-Rad Laboratories, Inc, GENEWIZ, Inc, Illumina, Inc, Laboratory Corporation of America Holdings and Novogene Corporation, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Whole Genome and Exome Sequencing market by product type, application, key players and key regions and countries.

Market Segmentation:

Segmentation by type

By Product

Kits

Instruments

By Workflow

Whole Genome Sequencing (WGS)

Whole Exome Sequencing (WES)

Segmentation by application

Hospitals and Clinics

Pharmaceutical and Biotechnology Companies

Diagnostic Labs

Research Centres, Academia and Government Institutes

Others

This report also splits the market 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

The below companies that are profiled have been selected based on inputs gathered

from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Eurofins Scientific SE

Agilent Technologies, Inc

Beijing Genomics Institute (BGI)

Hoffmann-La Roche Ltd

Bio-Rad Laboratories, Inc

GENEWIZ, Inc

Illumina, Inc

Laboratory Corporation of America Holdings

Novogene Corporation

Oxford Nanopore Technologies, Inc

Pacific Biosciences of California, Inc

QIAGEN N.V

Thermo Fisher Scientific Inc

Cytiva

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