

Global Whole Exome Sequencing Market Size study, by Technology (Sequencing by Synthesis, Ion Semiconductor Sequencing, Others), by Products & Services (Products, Systems, Kits, Others), by End-Use (Research Centre, Academic and Government Institutions, Hospitals and Clinics, Pharmaceutical and Biotechnology Companies, Others) and Regional Forecasts 2022-2028

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Abstracts

Global Whole Exome Sequencing Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than XX % over the forecast period 2022-2028. Whole Exome Sequencing (WES) is next-generation technology used for strategically sequencing the coding region of the genome, i.e., the exon. The exome, which is the total of all exons of an organism, represents only 1–2% of the total genome and is actually converted into proteins after translation. Adoption of WES technology by new consumers, increasing number of new scientific applications has led to the adoption of Whole Exome Sequencing across the forecast period. For Instance: In 2018, the Whole Exome Sequencing market size amounted to some 756 million U.S. dollars worldwide, with forecasts predicting that it will increase to a staggering 3.8 billion dollars by 2027. The market is anticipated to grow at a compound annual growth rate of 19.8 percent between 2019 and 2027. Also, with personalized medicine, the adoption & demand for Whole Exome Sequencing is likely to increase the market growth during the forecast period. However, need for skilled professionals impedes the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Whole Exome Sequencing Market study

include Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading region across the world in terms of market share owing to increasing use of exome sequencing in rare disease research, increased government funding, and large number of sequencing-related conferences. Whereas, Asia Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2022-2028. Factors such as rapidly decreasing costs of sequencing, adoption of WES technology by new consumers, strategic alliances would create lucrative growth prospects for the Whole Exome Sequencing Market across North America region.

Major market players included in this report are:

Macrogen

Illumina

Life Technologies

Roche NimbleGen

Agilent Technologies

BGI

Eurofins Genomics

Sengenics

Genewiz

Knome

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Technology:

Sequencing by Synthesis

Ion Semiconductor Sequencing

Others

By Products & Services:

Products

Systems

Kits

Others

By End-Use:

Research Centre, Academic and Government Institutions
Hospitals and Clinics

Pharmaceutical and Biotechnology Companies

Others

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 the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

Base year – 2021

Forecast period – 2022 to 2028

Target Audience of the Global Whole Exome Sequencing Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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