

# Global Prenatal Second-Generation DNA Sequencing Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Prenatal Second-Generation DNA Sequencing market size was valued at US\$ 923 million in 2025 and is forecast to a readjusted size of US\$ 1869 million by 2032 with a CAGR of 10.7% during review period.

Prenatal Second-Generation DNA Sequencing refers to prenatal genetic testing that uses second-generation next-generation sequencing methods to generate DNA sequence information relevant to a pregnancy for screening or diagnostic assessment. It typically relies on high-throughput short-read sequencing and computational analysis to detect fetal genetic signals, interpret genomic variation, and produce clinically actionable results that guide follow-up testing and pregnancy management. The approach can be applied through noninvasive workflows that analyze fetal genetic material present in maternal blood as well as through sequencing of fetal or placental samples obtained via clinical procedures, with outputs delivered as structured reports designed to support medical decision making and genetic counseling.

Prenatal Second-Generation DNA Sequencing is becoming a central engine of modernization in prenatal care as health systems seek earlier, safer, and more information-rich assessment of fetal genetic risk. From a research report perspective, market momentum is driven by the scalability of high-throughput sequencing workflows, improving bioinformatics and laboratory automation, and a steady expansion of clinical use cases from core aneuploidy screening toward broader panels and, in selected high-risk pathways, more comprehensive sequencing-based diagnostics. Competitive dynamics are increasingly shaped by analytical performance in low fetal signal conditions, robustness of variant calling and classification, turnaround reliability,

integration with clinician-friendly reporting and counseling pathways, and the ability to operate within tightening regulatory and reimbursement expectations. As adoption deepens, differentiation will continue to shift from basic sequencing capacity to end-to-end clinical governance and operational execution, favoring providers that can deliver consistent quality, strong interpretability, and scalable service networks across geographies.

This report is a detailed and comprehensive analysis for global Prenatal Second-Generation DNA Sequencing market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Prenatal Second-Generation DNA Sequencing market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Prenatal Second-Generation DNA Sequencing market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Prenatal Second-Generation DNA Sequencing market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2021-2032

Global Prenatal Second-Generation DNA Sequencing market shares of main players, in revenue (\$ Million), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Prenatal Second-Generation DNA Sequencing

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Prenatal Second-Generation DNA Sequencing market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Natera, Labcorp, Quest Diagnostics, MedGenome, Mayo Clinic Laboratories, GeneDx, PreventionGenetics, SYNLAB, Myriad Genetics, GGA, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market segmentation

Prenatal Second-Generation DNA Sequencing market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Targeted Panels

Exome Sequencing

Others

### Market segment by Invasiveness

Non-Invasive

Invasive

### Market segment by Service Model

Public Health Program

Consumer

Others

#### Market segment by Application

Public Hospitals

Private Hospitals

#### Market segment by players, this report covers

Natera

Labcorp

Quest Diagnostics

MedGenome

Mayo Clinic Laboratories

GeneDx

PreventionGenetics

SYNLAB

Myriad Genetics

GGA

Fulgent Genetics

Rainbow Genomics

BillionToOne

BGI Genomics

Berry Genomics

Annaroad

Weihansi Biomedical Technology

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 13 chapters:**

Chapter 1, to describe Prenatal Second-Generation DNA Sequencing product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Prenatal Second-Generation DNA Sequencing, with revenue, gross margin, and global market share of Prenatal Second-Generation DNA Sequencing from 2021 to 2026.

Chapter 3, the Prenatal Second-Generation DNA Sequencing competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and by Application, with consumption value and growth rate by Type, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Prenatal Second-Generation DNA Sequencing market forecast, by regions, by Type and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Prenatal Second-Generation DNA Sequencing.

Chapter 13, to describe Prenatal Second-Generation DNA Sequencing research findings and conclusion.

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