

# **Global Cell and Gene Therapy Market Size Study, by Therapy Type (Cell Therapy, Gene Therapy), by Application (Cancer, Neurological Disorders, Cardiovascular Disorders, Rare Diseases, Ophthalmology, Blood Disorders, Others) and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Cell and Gene Therapy Market was valued at approximately USD 12.62 billion in 2023 and exhibiting a compound annual growth rate (CAGR) of 18.04% during the forecast period 2024-2032. Cell and gene therapy are advanced medical treatments designed to address and potentially cure genetic disorders and diseases at a cellular or genetic level. Cell therapy involves the infusion or transplantation of living cells to repair or replace damaged tissues and organs, such as using stem cells to regenerate cells in diseases such as leukemia. Gene therapy, on the other hand, aims to correct or modify faulty genes responsible for disease by inserting, altering, or removing genetic material within a patient's cells. The surge in the incidence of cancer and rare disorders, along with an increase in approvals for gene and cell therapy products, is significantly propelling the market growth. Additionally, rising investments in the cell and gene therapy sector are expected to provide ample growth opportunities in the future.

The growing incidences of cancer and rare disorders are significantly driving demand for the cell and gene therapy market. As the global prevalence of these conditions rises, traditional treatment methods often fall short, creating an urgent need for innovative solutions. Cell and gene therapies offer targeted and potentially curative approaches by addressing the underlying genetic and cellular causes of these diseases. For cancers, therapies can target specific cancer cells, while for rare disorders, gene editing or replacement can correct genetic defects. This increasing need for effective treatments

spurs investment and research in advanced therapies, driving market growth. The promise of personalized and precision medicine to improve patient outcomes further fuels the expansion of the cell and gene therapy sector.

The key region in the Global Cell and Gene Therapy Market includes North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. In 2023, North America dominates the market in terms of revenue, driven by the prevalence of chronic diseases, availability of reimbursements, and significant healthcare expenditure on gene therapy drugs. The US dominated the North American market, holding a substantial share. Asia-Pacific is projected to grow at the highest CAGR, attributed to a large population base, heightened healthcare awareness, and increasing cancer cases. The region's growth is further supported by pharmaceutical market expansion, government initiatives, and a surge in research and development activities.

Major market players included in this report are:

Novartis AG

Bristol-Myers Squibb Company

Amgen Inc.

Aurion Biotech

Sarepta Therapeutics, Inc.

Ferring B.V.

Sibiono Genetech Co, Ltd., Shenzhen

Bluebird Bio, Inc.

Kite Pharmaceuticals, Inc.

Janssen Global Services

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

By Therapy Type

*Global Cell and Gene Therapy Market Size Study, by Therapy Type (Cell Therapy, Gene Therapy), by Application (...)*

Cell Therapy

Gene Therapy

By Application

Cancer

Neurological Disorders

Cardiovascular Disorders

Rare Diseases

Ophthalmology

Blood Disorders

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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.

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