

Next Generation Biotherapeutics Market - Global Industry Size, Share, Trends, Opportunity & Forecast, Segmented By Therapeutic Area (Oncology, Autoimmune/ Inflammatory Diseases), By Technology (Antibody-Drug Conjugates, Bispecific Antibodies, Antibody Fragments, Antibody-like Proteins, Others), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Next Generation Biotherapeutics (NGBT) Market was valued at USD 5.42 billion in 2024 and is projected to reach USD 10.75 billion by 2030, growing at a CAGR of 12.05%. NGBTs signify a transformative leap in biopharmaceutical innovation, utilizing advanced technologies such as gene therapy, cell therapy, RNA interference, and monoclonal antibodies to deliver precise and personalized treatment. These therapies are engineered to target specific disease mechanisms, improving treatment effectiveness while minimizing adverse effects. Their application spans a wide range of conditions, offering new hope for patients unresponsive to conventional therapies. As the demand for tailored, data-driven healthcare solutions grows, NGBTs are rapidly gaining traction across global healthcare systems. By activating the body's natural mechanisms and harnessing next-gen molecular strategies, these biotherapeutics are reshaping medical treatment paradigms. With continuous R&D breakthroughs, NGBTs are advancing the possibilities of treating complex and previously untreatable diseases, offering better clinical outcomes and redefining standards in patient care.

Key Market Drivers

Increasing Incidence of Cancer

The escalating global cancer burden is a major factor propelling the demand for Next Generation Biotherapeutics. Cancer rates are expected to rise by 77% by 2050 compared to 2022, highlighting an urgent need for more precise, effective treatment strategies. Traditional treatments like chemotherapy and radiation are often associated with systemic toxicity and limited efficacy. In contrast, NGBT harnesses advanced genomic profiling to tailor therapies to an individual's unique genetic profile, targeting cancer at its molecular root. These therapies are designed to overcome resistance mechanisms and minimize damage to healthy tissues, enhancing therapeutic precision and patient quality of life. As the need for more adaptable and less invasive therapies intensifies, NGBTs are positioned as a vital component in the evolving landscape of oncology treatment.

Key Market Trends

Increasing Aging Population

The global demographic shift toward an older population is a major trend fueling demand for NGBTs. By 2050, the population aged 65 and above is expected to grow to 16%, further increasing to 24% by 2100. With age comes a heightened prevalence of chronic and degenerative diseases such as cancer, cardiovascular disorders, and neurodegenerative conditions. NGBTs provide targeted, innovative therapies tailored to the complex health needs of aging individuals. These biotherapeutics offer a high level of personalization, which is especially critical for elderly patients managing multiple comorbidities. Their potential to reduce hospitalizations and long-term care needs also makes them attractive for healthcare systems aiming to improve outcomes while controlling costs. As aging continues to drive global healthcare demand, NGBTs stand out as a promising solution for personalized, effective disease management in elderly populations.

Key Market Players

Xencor, Inc.

Regenxbio & Neurimmune AG

Takeda Pharmaceutical Company Limited

Pfizer, Inc.

AstraZeneca Plc.

F. Hoffmann-La Roche Ltd.

Kyowa Kirin Co., Ltd

Seattle Genetics, Inc

ImmunoGen, Inc

Ono Pharmaceuticals Co, Ltd

Report Scope:

In this report, the Global Next Generation Biotherapeutics Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Next Generation Biotherapeutics Market, By Therapeutic Area:

Oncology

Autoimmune/ Inflammatory Diseases

Next Generation Biotherapeutics Market, By Technology:

Antibody-Drug Conjugates

Bispecific Antibodies

Antibody Fragments

Antibody-like Proteins

Others

Next Generation Biotherapeutics Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Next Generation Biotherapeutics Market.

Available Customizations:

Global Next Generation Biotherapeutics market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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