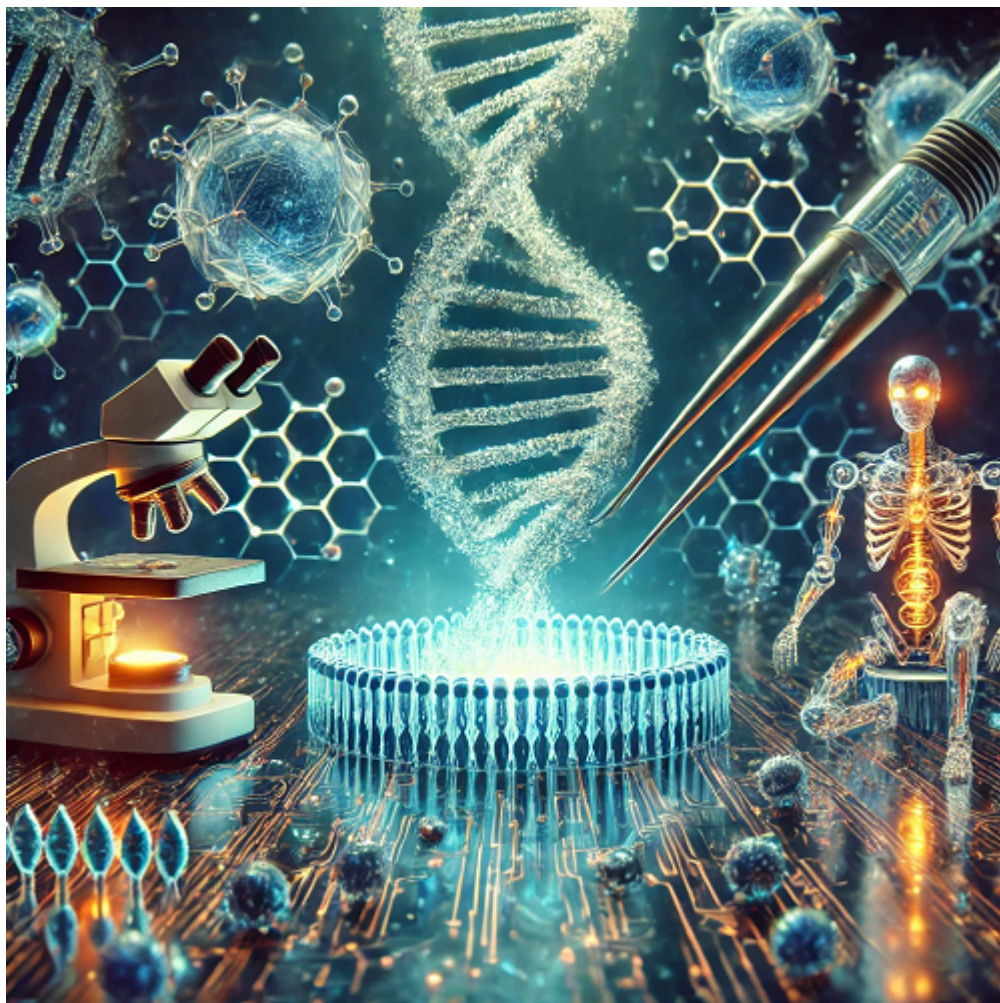




# North America Synthetic Biology Market Key Companies Profile, Supply, Demand 2028

The [North America Synthetic Biology Market](#) is expected to grow from US\$ 4,313.62 million in 2021 to US\$ 15,223.61 million by 2028; it is estimated to grow at a CAGR of 19.7% from 2021 to 2028.



## Synthetic Biology: A Rapidly Expanding Market

Synthetic biology is a burgeoning field with wide-ranging applications across industries like chemicals, agriculture, pharmaceuticals, and energy. Numerous startups are driving innovation, offering gene synthesis products and services. Examples include:

- **Benchling:** CAD tools for biological design.
- **GenScript:** Gene synthesis services.
- **Ginkgo Bioworks:** Organism engineering.
- **Transcriptis:** Bioinformatics solutions for cloud labs and automation.

- **Glowee:** Consumer products utilizing bioluminescence.

Despite the challenges posed by the COVID-19 pandemic, the bioeconomy experienced significant growth. In the first half of 2020, synthetic biology companies secured over US\$3 billion in equity financing, compared to US\$1.9 billion during the same period in 2019. This surge highlights the increasing investment and demand for synthetic biology-based technologies, particularly in the biopharmaceutical sector, where it's being used to improve cell therapies, gene therapies, and early cancer detection.

## **Segments Covered**

### **North America Synthetic Biology Market By Products**

- Enzymes
- Chassis Organisms
- Oligonucleotides
- Xeno-Nucleic Acids

### **North America Synthetic Biology Market By Technology**

- Measurement & Modeling
- Cloning & Sequencing
- Genome Engineering
- Gene Synthesis
- Nanotechnology

### **North America Synthetic Biology Market By Application**

- Medical Applications
- Industrial Applications
- Food and Agriculture
- Environmental Applications

### **North America Synthetic Biology Market Regions and Countries Covered**

## **North America**

- US
- Canada
- Mexico

### **North America Synthetic Biology Market leaders and key company profiles**

- Agilent Technologies, Inc.
- Amyris
- Codexis
- Genscript Biotech corporation
- Integrated DNA Technologies
- Merck KGaA
- New England Biolabs
- Novozymes A/S
- Thermo Fisher Scientific
- Twist Bioscience

### **North America Synthetic Biology: Strategic and Regional Insights**

To navigate this dynamic market, strategic and regional insights are crucial.

#### **Strategic Insights:**

- Data-driven analysis of the North American synthetic biology landscape, including current trends and key players.
- Actionable recommendations to differentiate businesses through identifying untapped market segments and developing unique value propositions.
- Utilization of data analytics to anticipate market shifts and inform strategic decisions for investors, manufacturers, and other stakeholders.
- A future-oriented approach to ensure long-term success in the region.

#### **Regional Insights:**

- Understanding the specific geographic scope of the North American synthetic biology market.
- Recognizing local distinctions, such as varying consumer preferences, economic conditions, and regulatory environments, to tailor market strategies.
- Identifying underserved regions and adapting offerings to meet local demands.
- Enabling effective resource allocation, targeted marketing, and improved competitive positioning within specific markets.
- Driving growth through focused regional market penetration.

## Other Reports:

Europe Composites Market: <https://facezila.com/blogs/2463/Europe-Composites-Market-Competitor-Strategy-and-Trends-by-Forecast-to>

Europe Dermatology Devices Market: <https://business-news-insights.blogspot.com/2025/03/europe-dermatology-devices-market.html>

Europe Social Media Analytics Market: <https://sites.google.com/view/europesocialmediaanalyticsmark/home>

Latin America Permanent Magnet Market: <https://www.globalpostnews.com/news/latin-america-permanent-magnet-market-segments-future-growth-business-prospects-by-2031/>

Africa Permanent Magnet Market: <https://www.patreon.com/posts/africa-permanent-125199030>

Asia Pacific Graphite Market: <https://www.blogbursts.in/asia-pacific-graphite-market-segments-sales-profits-and-analysis-2031/>

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