

Synthetic Biology: Global Markets

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Abstracts

Report Scope:

The study scope includes core synthetic biology products (e.g., oligonucleotides, synthetic genes, BioBrick parts, delivery plasmids, chassis organisms, synthetic cells, cell-based and cell-free production systems), enabling technologies (e.g., DNA sequencing, DNA synthesis, gene editing, bioinformatics, specialty media) and enabled technologies (e.g., healthcare, industrial chemicals, consumer products, food and beverage, agriculture) that are already commercialized or are forecast to be commercialized through 2026.

Key synthetic biology technologies and products are analyzed to determine present and future market status, as well as forecasted growth from 2021 to 2026. An in-depth discussion of strategic alliances, industry structures, competitive dynamics, patents and market-driving forces is also provided.

BCC Research examines the synthetic biology industry by market segment, including DNA sequencing, DNA synthesis, gene editing, synthetic biology foundries and software; as well as the agriculture; consumer products, cosmetics and skin care, food and beverage, healthcare and industrial chemicals enable product sectors.

The role of key strategic alliances and acquisitions from 2018 to 2020 is discussed. Emerging markets, including synthetic genes, synthetic-biology-enabled drugs and vaccines, genome-edited crops and chassis organisms; as well as metabolically engineered factories for producing synthetic fuels and specialty chemicals, are analyzed, and more than 215 companies in these fields are highlighted.

Report Includes:

30 data tables and 99 additional tables

An up-to-date review and analysis of the global market for synthetic biology within the life science industry

Analyses of the global market trends, with data from 2019 to 2021, and projections of compound annual growth rates (CAGRs) through 2026

Evaluation and forecast the global synthetic biology market size, forecasted growth trends, and corresponding market share analysis by product type, end-user industry, and region

Highlights of the current and future market potential for synthetic biology products and technologies, and areas of focus to forecast this market into various segments and sub-segments

Description of core synthetic biology products, key enabling technologies, and identify commercial opportunities for product development and competitive strategies

In-depth assessment of the synthetic biology industry structure, competitors review, and intellectual property landscape

Information on synthetic biology industry M&A deals, development of commercially viable products and technologies, and other strategic alliances within the industry

Patent review and analysis of patents granted for synthetic biology technologies, liquid biopsy and sequencing, and gene-editing industry

Detailed profiles of about 185+ companies within synthetic biology industry. Major players include Agilent Technologies Inc., Eurofins Scientific, GenScript, Merck KGaA, Novozymes A/S, Thermo Fisher Scientific Inc., and Twist Bioscience

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GENSCRIPT
GINKGO BIOWORKS
MERCK KGAA
NOVOZYMES A/S
THERMO FISHER SCIENTIFIC INC.
TWIST BIOSCIENCE
VIRIDOS
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RECOMBINETICS INC.
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ROYAL DSM NV
SANGAMO THERAPEUTICS INC.
SAREPTA THERAPEUTICS INC.
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