

Top Ten Suppliers of Synthetic Biology Technology

Market Research Report | 2024-01-17 | 161 pages | BCC Research

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Report description:

Description

Report Scope:

The report is designed to be a comprehensive business tool to report focuses on 10 selected synthetic biology companies and the key areas in the field driving the industry growth that allows these companies to succeed.

The market is divided into segments and by application/industry as follows -

By product -

- Enabling Products.
- Biologic Components.
- Integrated systems
- Enabled Products.

By Industry -

- R&D Tools.
- Diagnostics/Pharmaceuticals.
- Agriculture.
- Chemicals.
- Energy.
- Food & Beverages.
- Others.

Each area is covered in detail, identifying current products in the market in the base year 2022, measuring current market size

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and identifying current and potential market drivers, forecasting for 2028, assessing current and potential competitors, and identifying current competitor market shares for the base year of 2022.

Report Includes:

- 141 data tables and 33 additional tables
- An overview of the top 10 suppliers of synthetic biology technology and the global market
- Analysis of global market trends, featuring historical revenue data for 2020-2022, estimated figures for 2023, forecasts for 2028, and projections of compound annual growth rates (CAGRs) through 2028
- Evaluation of the current market size and revenue growth prospects specific to synthetic biology technology, accompanied by a market share analysis by test type, industry and geographic region
- Coverage of evolving technologies, the current and future market potential, and the regulatory framework and reimbursement scenarios
- Review of patents, the product pipeline and ESG trends related to the synthetic biology industry
- Market share analysis of the key companies and coverage of mergers & acquisitions, joint ventures, collaborations, partnerships and other market strategies
- Company profiles of major players within the industry, including Amyris Inc., Beyond Meat Inc., GenScript, Ginkgo Bioworks, Novozymes A/S, and Twist Biosciences.

Executive Summary

Summary:

The global synthetic biology market was valued at \$REDACTED billion in 2022. The market is expected to reach \$REDACTED billion by the end of 2028, growing at a compound annual growth rate (CAGR) of REDACTED% over the forecast period.

The growth of the synthetic biology market is propelled by several key factors, marking significant advancements in the field. Central to these developments is the notable reduction in the cost of DNA sequencing and synthesis, contributing to the accessibility of these technologies. This cost-effectiveness has played a pivotal role in driving innovation and expanding the applications of synthetic biology. Increasing interest and substantial investment from both governments and private investors in major countries such as the U.S., China, the U.K., India, and Japan is driving the growth of synthetic biology. The recognition of synthetic biology's potential to contribute to a sustainable bio-based economy is a significant driver.

Another crucial driver of this market is the evolution of sophisticated genome editing tools, prominently exemplified by CRISPR/Cas9. These tools empower researchers with precise and efficient means to manipulate genetic material, opening avenues for transformative applications across various domains. The convergence of these tools with advances in informatics, computational capabilities, and scalable infrastructure has streamlined the analysis and design processes, further fueling the growth of synthetic biology.

Synthetic biology's practical applications are already evident in the metabolic engineering of microorganisms. This has proven instrumental in the production of industrially significant products showcasing the technology's potential to address key challenges in manufacturing processes.

Table of Contents:

Table of Contents

Chapter 1 Introduction

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Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
What's New in this Update?
Methodology
Information Source
Geographic Breakdown
Segmentation Breakdown
Chapter 2 Summary and Highlights
Market Outlook
Summary
Chapter 3 Market Overview
History
Technology
Market Overview
Chapter 4 Market Dynamics
Market Dynamics
Drivers
Opportunities
Restraints
Chapter 5 Emerging Trends/Technologies in the Synthetic Biology Market
Overview
Prime Editing
AI in Synthetic Biology
DNA Data Storage
Do-it-yourself Synthetic Biology Community
Chapter 6 Sustainability in Synthetic Biology Market: An ESG Perspective
Introduction
Environmental Factors
Social Factors
Governance Factors
Synthetic Biology Market ESG Performance Analysis by Company
Amyris ESG Performance
Novozymes ESG Performance
ThermoFisher, ESG Performance
Consumer Attitude Towards ESG in the Synthetic Biology Market
Conclusion
Chapter 7 Global Market of Synthetic Biology
World Demand for Synthetic Biology
Chapter 8 Market Breakdown by Product Type
Introduction
Enabling Products Market
North America
Latin America
Europe
Asia-Pacific
Rest of the World

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Biological Components Market

North America

Latin America

Europe

Asia-Pacific

Rest of the World

Integrated Systems Market

North America

Latin America

Europe

Asia-Pacific

Rest of the World

Enabled Products Market

North America

Latin America

Europe

Asia-Pacific

Rest of the World

Chapter 9 Market Breakdown by Industry

Introduction

R&D Tools

North America

Latin America

Europe

Asia-Pacific

Rest of the World

Diagnostics/Pharmaceuticals. Market

North America

Latin America

Europe

Asia-Pacific

Rest of the World

Agriculture Market

North America

Latin America

Europe

Asia-Pacific

Chemicals Industry

North America

Latin America

Europe

Asia-Pacific

Rest of the World

Energy Industry

North America

Latin America

Europe

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Asia-Pacific
Rest of the World
Food & Beverages Market
North America
Latin America
Europe
Asia-Pacific
Rest of the World
Synthetic Biology in Other End Uses
North America
Latin America
Europe
Asia-Pacific
Rest of the World
Chapter 10 Competitive Landscape
Industry Scenario
Company Shares
Competitive Landscape by Application
R&D Tools Industry
Diagnostic and Pharmaceuticals Industry
Agriculture Industry
Energy Industry
Chemicals Industry
Food & Beverages Industry
Chapter 11 Patents
Patent Analysis by Manufacturer
Chapter 12 Company Profiles
AGILENT TECHNOLOGIES INC.
AMYRIS INC.
BEYOND MEAT INC.
CODEXIS INC.
CROPENERGIES AG
DSM
GENSCRIPT
GILEAD SCIENCES INC.
GINKGO BIOWORKS
NOVARTIS PHARMA AG
NOVOZYMES A/S
THERMO FISHER SCIENTIFIC INC.
TWIST BIOSCIENCE
VERBIO VEREINIGTE BIOENERGIE AG
Chapter 13 Appendix: Acronyms

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