

Synthetic Biology Market value was estimated to be \$4.37 billion in 2017 and projected to reach \$21.13 B by end of 2023

Americas is the leading region for synthetic biology market, followed by Europe and Asia-Pacific and Rest of the world. With a CAGR of 29.9%

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/EINPresswire.com/ -- In the Report "Synthetic Biology Market: By Tool (XNAS, Chassis Organisms, Oligonucleotides, etc); By Technology (DNA Synthesis & Sequencing, Computational Modelling, Bioinformatics, Microfluidics, etc); By Application (Environmental, Medical, Industrial, etc); By Geography - (2018-2023)" published by [IndustryARC](https://industryarc.com), the market is driven by growing demand for gene synthesis and synthetic cells, and increasing investments in synthetic biology companies.



America dominates with major share and growth in the Synthetic Biology Market

Americas is the leading region for synthetic biology market, followed by Europe and Asia-Pacific and Rest of the world. With a CAGR of 29.9%, the American market will reach \$7.94 billion by the end of 2023. In the American market, the U.S. is the leading region to grow at a CAGR of 30.2% among all. Europe is the second largest market, growing at a CAGR of 29.9% to reach a value of \$6.31 billion by 2023. Asia-Pacific market will grow faster at CAGR of 33% to reach value of \$5356 million by 2023. Increasing demand for the synthetic biological products such as biofuels and some other bio-plastics from the different end-user industries are stimulating the revenues for synthetic biology market in the Asia-Pacific region.

Selected Tool and Technology Analysis done in the full Report:

Synthetic Biology Market comprises of Xeno-nucleic acids, chassis organisms, oligonucleotides synthesis, cloning technology kits, and systemic enzymes and others. Cloning technology kits dominated the market value in 2017 with a value of \$1.72 billion. The statistics for tools segment defined in the report will help you to know how the cloning technology market is leading market and is stated to grow at a CAGR of 29.70% to reach value of \$8.18 billion by 2023. Whereas, Xeno-Nucleic Acids are established to grow at a CAGR of 34.1% during 2018-2023, due to rise in applications in medicine segment as a disease fighting agent. Based on technology, the synthetic biology market is segmented into DNA synthesis and sequencing, computational modelling, bioinformatics technology, microfluidics chip technology, nano technology chip, pathway engineering and others. Bioinformatics technology is the leading market to grow at a CAGR of 27.5% to reach value of \$4.5 billion by 2023.

To access the full report browse the link below

<https://industryarc.com/Report/15142/synthetic-biology-market.html>

Excerpts on Market Growth Factors

Synthetic biology technology is witnessing multi-fold implementation in medical sector for artificial tissue regeneration and development of advanced drugs and therapeutics. Increasing scarcity and damaging impact on environment due to excessive use of fuel have led to an urgent need to develop alternative fuels. Synthetic biology is used for the development of biodegradable plastics, and renewable energy sources. Hence, the need for alternative fuel for decreasing the dependency on natural fuel has driven the synthetic biology market.

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Key players of the Synthetic Biology Market

Life technologies Corp. and Intrexon Corp, Thermo Fisher Scientific, Inc. and GenScript Biotech Corp are the dominant players in the synthetic biology market. Thermo Fisher Scientific, Inc. offer products such as Antibodies, Exosome research products, Platinum Enzymes, Lipofectamine 3000 Reagent, TOPO Cloning Kits, used over 50 countries. Intrexon Corp. has products such as UltraVector®, RheoSwitch® Cell Systems Informatics, LEAP®, ActoBiotics®, Porcine Research Models, BeyondBio™. Cargill Inc., has set of few products present in 70 countries are EverSweet™ next generation sweetener, Agri-Pure™ High Oleic Vegetable Oils and Envirotemp™ 200 Fluid.

Stevia Market report is segmented as below

A.Synthetic Biology Market – By Tool

- 1.Xeno-Nucleic Acids (Xnas)
- 2.Chassis Organisms
- 3.Oligonucleotides
- 4.Cloning Technology Kits
- 5.Enzymes

B.Synthetic Biology Market – By Technology

- 1.DNA Synthesis
- 2.DNA sequencing
- 3.Computational Modelling
- 4.Bioinformatics Technologies
- 5.Microfluidics Technologies
- 6.Nanotechnology
- 7.Other

C.Synthetic Biology Market – By Application

- 1.Environmental Application
 - I.Bioremediation
 - II.Whole-Cell Biosensors
- 2.Medical Applications
 - I.Drug Discovery and Therapeutics
 - II.Pharmaceuticals
 - III.Artificial Tissue and Tissue Regeneration
- 3.Industrial Applications
 - I.Biofuel and Renewable Energy
 - II.Industrial Enzyme

III. Biomaterials & Green Chemicals

D. Synthetic Biology Market by Geography (covers 10+ countries)

E. Synthetic Biology Entropy Market

Manufacturer Cited / Interviewed

1. Ingenza Ltd.
2. Ziopharm Oncology, Inc.
3. Novozymes
4. Origene Technologies Inc.
5. Evolva
6. Codexis Inc.
7. Halozyme, Inc.
8. Integrated DNA Technologies, Inc.
9. Algenol Biotech
10. Amyris Inc.
11. Bioamber Inc.
12. Company 12
13. Company 13
14. Company 14
15. Company 15+

Related Report:

A. Cell Culture Market

<https://industryarc.com/Report/15167/cell-culture-market.html>

B. Genomics Market

<https://industryarc.com/Report/1275/genomics-market-analysis-and-forecast-report.html>

What can you expect from the report?

The Synthetic Biology Market Report is Prepared with the Main Agenda to Cover the following 20 points:

1. Market Size by Product Categories & Application
2. Market trends & Relevant Market Data
3. Manufacturer Landscape
4. Distributor Landscape
5. Pricing Analysis
6. Top 10 End user Analysis
7. Product Benchmarking
8. Product Developments
9. Mergers & Acquisition Analysis
10. Patent Analysis
11. Demand Analysis (Revenue & Volume)
12. Country level Analysis
13. Competitor Analysis
14. Market Shares Analysis
15. Value Chain Analysis
16. Supply Chain Analysis
17. Strategic Analysis
18. Current & Future Market Landscape Analysis
19. Opportunity Analysis
20. Revenue and Volume Analysis

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We look forward to support the client to be able to better address their customer needs, stay ahead in the market, become the top competitor and get real-time recommendations on business strategies and deals. Contact us to find out how we can help you today.

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