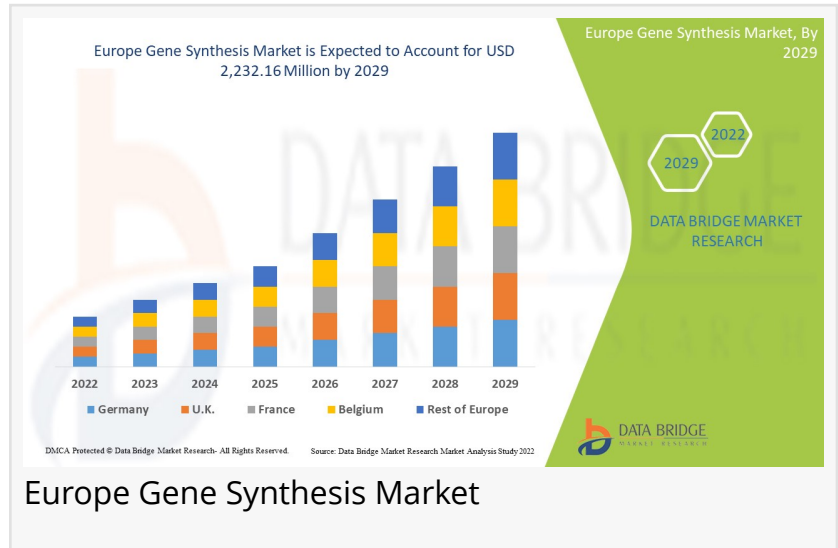


Europe Gene Synthesis Market to Notice Exponential CAGR Growth of 21.1% Forecast by 2029

Europe gene synthesis market is expected to grow in the forecast period of 2022 to 2029.

PUNE, MAHARASHTRA, INDIA,
December 26, 2022 /

EINPresswire.com/ -- The report carefully examines the [Europe Gene Synthesis Market](#), with a focus on most of the major players and their business strategies, geographical scope, market segments, product landscape and price, and cost structure. It also assists in market segmentation according to industry latest and upcoming trends to the bottom-most level, topographical markets and key advancement from both market and technology aligned perspectives. Each section of the Europe [Gene Synthesis](#) Market business research report is specially prepared to investigate key aspects of the market. This document also entails a detailed analysis of the current applications and comparative analysis with a keen focus on the opportunities and threats and competitive analysis of major companies.



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Europe gene synthesis market is expected to grow in the forecast period of 2022 to 2029. Data Bridge Market Research analyses that the market is growing with a CAGR of 21.1% in the forecast period of 2022 to 2029 and is expected to reach USD 2,232.16 million by 2029 from USD 467.74 million in 2021.

Market Outline: -

Gene synthesis refers to the chemical synthesis of DNA strand base-by base. Unlike DNA replication in cells or by Polymerase Chain Reaction (PCR), gene synthesis does not require a

template strand. Rather, gene synthesis involves the step-wise addition of nucleotides to a single-stranded molecule, which then serves as a template for creating a complementary strand. Gene synthesis is the fundamental technology upon which the field of synthetic biology has been built.

Gene synthesis is the process of creating artificial genes in a lab setting using synthetic biology. The generation of recombinant proteins is one of the numerous applications of recombinant DNA technology, where gene synthesis is emerging as a key instrument. The traditional methods of cloning and mutagenesis are quickly being replaced by de novo gene synthesis, which also enables the production of nucleic acids for which there is no template.

Some of the major players operating in the gene synthesis market are ATDBio Ltd (Subsidiary of Biotage), General Biosystems, Inc., MACROGEN CO., LTD., Boster Biological Technology, Creative Biogene, Bioneer Pacific, exonbio, trenzyme GmbH, Twist Bioscience, BioCat GmbH (Subsidiary of AddLife AB), OriGene Technologies, Inc., Integrated DNA Technologies, Inc. 9Subsidiary of Danaher Corporation), Eurofins Scientific, NZYTech, Lda. - Genes and Enzymes, Ansa Biotechnologies, Inc., Thermo Fisher Scientific, Genescript, Synbio Technologies, Proteogenix, Bio Basic Inc., ATG:biosynthetics GmbH, Merck KGaA, Kaneka Eurogentec S.A, Ginkgo Bioworks, Bbi-lifesciences, Evonetix, ProMab Biotechnologies, Inc., GCC Biotech (INDIA) Pvt. Ltd., CSBio, Azenta US, Inc., and among others.

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Recent Development

In December 2020, Twist Bioscience launched clonal-ready gene fragments to complete the offering of genes. The fragments launched can be used with adapters or without adapters in order to build up the perfect clones. The clonal-ready gene fragments are compatible with the protein expression pathways, enzyme engineering, and gene expression, among others.

In 2020, according to an article published in an ACS journal, a total estimated 19.3 million new cancer cases and almost 10.0 million cancer deaths were reported worldwide. This suggests that cancer coverage is suboptimal, and there is a great need to implement high cancer coverage all over the world.

Europe Gene Synthesis Market Scope

Europe gene synthesis market is segmented into component, gene type, gene synthesis type, application, method, end user, and distribution channel. The growth amongst these segments will help you analyze meager growth segments in the industries and provide the users with a valuable market overview and market insights to make strategic decisions to identify core market applications.

Component

Synthesizers
Consumables
Software & services

On the basis of component, the Europe gene synthesis market is segmented into synthesizers, consumables, and software & services.

Gene Type

Standard gene
Express gene
Complex gene
Others

On the basis of gene type, the Europe gene synthesis market is segmented into the standard gene, express gene, complex gene, and others.

Gene Synthesis Type

Gene library synthesis
Custom gene synthesis

On the basis of gene synthesis type, the Europe gene synthesis market is segmented into gene library synthesis, and custom gene synthesis.

Application

Synthetic biology,
Genetic engineering,
Vaccine design,
Therapeutics antibodies
Others

On the basis of application, the Europe gene synthesis market is segmented into synthetic biology, genetic engineering, vaccine design, therapeutics antibodies, and others.

Method

Solid based synthesis,
Chip-based DNA synthesis
PCR-based enzyme synthesis

On the basis of the method, the Europe gene synthesis market is segmented into solid based synthesis, chip-based DNA synthesis, and PCR-based enzyme synthesis.

End User

Academic & research institutes,
Diagnostics laboratories,
Biotech & pharmaceutical companies
Others

On the basis of end user, the Europe gene synthesis market is segmented into academic & research institutes, diagnostics laboratories, biotech & pharmaceutical companies, and others.

Distribution Channel

Direct tender
Online distribution
Third party distributors

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on the product portfolios of the top players in the Europe Gene Synthesis Market

Product Development/Innovation: Detailed insights on the upcoming technologies, R&D activities, and product launches in the market.

Competitive Assessment: In-depth assessment of the market strategies, geographic and business segments of the leading players in the market.

Market Development: Comprehensive information about emerging markets. This report analyses the market for various segments across geographies.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the Europe Gene Synthesis Market

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Reasons to Consider This Report?

The report offers a comprehensive evaluation of the Europe Gene Synthesis Market. The report includes in-depth qualitative analysis, verifiable data from authentic sources, and projections about market size. The projections are calculated using proven research methodologies. The report has been compiled through extensive primary and secondary research. The primary research is done through interviews, surveys, and observation of renowned personnel in the industry.

The report also includes the regulatory scenario in the industry, which will help you make a well-informed decision. The report discusses major regulatory bodies and major rules and regulations imposed on this sector across various geographies.

The report also contains the competitive analysis using Positioning Quadrants, the analyst's competitive positioning tool.

Core Objective of Europe Gene Synthesis Market:

Every firm in the Europe Gene Synthesis Market has objectives but this market research report focus on the crucial objectives, so you can analysis about competition, future market, new products, and informative data that can raise your sales volume exponentially.

Size of the Europe Gene Synthesis Market and growth rate factors.

Important changes in the future Europe Gene Synthesis Market.

Top worldwide competitors of the Market.

Scope and product outlook of Europe Gene Synthesis Market.

Developing regions with potential growth in the future.

Tough Challenges and risk faced in Market.

Europe Gene Synthesis top manufacturers profile and sales statistics.

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Data Bridge set forth itself as an unconventional and neoteric Market research and consulting

firm with unparalleled level of resilience and integrated approaches. We are determined to unearth the best market opportunities and foster efficient information for your business to thrive in the market. Data Bridge endeavors to provide appropriate solutions to the complex business challenges and initiates an effortless decision-making process.

Sopan Gedam

Data Bridge Market Research

+ +1 888-387-2818

[email us here](#)

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