

Global Biodefense Market 2024 by Company, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Biodefense market size was valued at USD 1177.1 million in 2023 and is forecast to a readjusted size of USD 1888.5 million by 2030 with a CAGR of 7.0% during review period.

Biodefense market refers to the pharmaceuticals, vaccines and antibodies applied in the treatment of a wide range of infectious diseases, whether those diseases emerge naturally or are deliberately introduced as an act of bioterrorism. Biodefense products generally defense against anthrax, smallpox, botulism, radiation/nuclear disasters and other disasters.

In the wake of the 2001 anthrax attacks, the U.S. government set out on a bold path to improve the country's preparedness for bioterrorism by developing and stockpiling new drugs and vaccines to protect Americans from health emergencies. Since 2004, the US government has provided assistance in the development and manufacturing of products in order to maintain its Strategic National Stockpile (SNS) to counter any bioterror attack.

The major players in global Biodefense market include Emergent Biosolutions, Hytest, GSK, etc. The top 3 players occupy about 60% shares of the global market. North America, Europe and Asia are key Regions of Sales. Anthrax and Smallpox are main types, with a share about 70%. US Civilian Market is the main application, which holds a share about 55%.

The Global Info Research report includes an overview of the development of the Biodefense industry chain, the market status of US Military Market (Anthrax, Smallpox), US Civilian Market (Anthrax, Smallpox), and key enterprises in developed and

developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Biodefense.

Regionally, the report analyzes the Biodefense markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Biodefense market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Biodefense market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Biodefense industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the revenue generated, and market share of different by Type (e.g., Anthrax, Smallpox).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Biodefense market.

Regional Analysis: The report involves examining the Biodefense market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Biodefense market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Biodefense:

Company Analysis: Report covers individual Biodefense players, suppliers, and other

relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Biodefense. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (US Military Market, US Civilian Market).

Technology Analysis: Report covers specific technologies relevant to Biodefense. It assesses the current state, advancements, and potential future developments in Biodefense areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Biodefense market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Biodefense market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of value.

Market segment by Type

Anthrax

Smallpox

Botulism

Radiation/Nuclear

Others

Market segment by Application

US Military Market

US Civilian Market

Non - US Market

Market segment by players, this report covers

Emergent Biosolutions

Hytest

GSK

Sanofi

PharmAthene

Bavarian Nordic

SIGA Technologies

Arbutus Biopharma

DynPort Vaccine

Xoma Corporation

Ichor Medical Systems

Aeolus Pharmaceuticals

Achaogen

Elusys Therapeutics

Dynavax Technologies

Cleveland BioLabs

Soligenix

Alnylam Pharmaceuticals

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Biodefense product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Biodefense, with revenue, gross margin and global market share of Biodefense from 2019 to 2024.

Chapter 3, the Biodefense competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024.and

Biodefense market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Biodefense.

Chapter 13, to describe Biodefense research findings and conclusion.

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