

# U.S. Biodefense Market Size, Share & Trends Analysis Report By Product (Anthrax, Small Pox, Botulism, Radiation/nuclear), And Segment Forecasts, 2024 - 2030

<https://marketpublishers.com/r/UC3FC5FBDA19EN.html>

Date: June 2024

Pages: 80

Price: US\$ 3,950.00 (Single User License)

ID: UC3FC5FBDA19EN

## Abstracts

This report can be delivered to the clients within 3 Business Days

### U.S. Biodefense Market Growth & Trends

The U.S. biodefense market is anticipated to reach USD 17.90 billion by 2030, and is expected to grow at a CAGR of 4.1% from 2024 to 2030, according to a new report by Grand View Research, Inc. The U.S. biodefense market is driven by factors such as increased government funding, global health concerns, technological advancements, regulatory requirements, the need for collaboration and preparedness, and economic incentives. These drivers contribute to the growth and development of the industry, ensuring that effective biodefense solutions are available to protect populations from potential biological threats. The U.S. biodefense market benefits from rapid advancements in technology, such as genomics, bioinformatics, and synthetic biology. These innovations enable faster identification of pathogens, development of targeted therapies, and improved diagnostics.

In September 2022, the Department of Defense (DoD) planned to invest USD 1 billion to boost domestic bio-industrial manufacturing infrastructure, facilitating accessibility for U.S. innovators, which aimed at incentivizing private and public sectors to expand manufacturing capacities, particularly for critical chemicals vital to commercial and defense supply chains. In addition, the DoD was expected to allocate an extra USD 200 million to enhance biosecurity and cybersecurity measures for these facilities. Collectively, the U.S. Department of Agriculture (USDA) was expected to introduce a

USD 500 million grant program in summer 2022 to foster independent, innovative, and sustainable American fertilizer production, leveraging advancements in biotechnology and biomanufacturing to support domestic farmers.

## U.S. Biodefense Market Report Highlights

Anthrax dominated the product segment with 28.1% share in 2023 owing to its high lethality, ease of production, stability, potential for mass casualties, and the ongoing need to improve existing treatments and vaccines.

The radiation/nuclear segment is expected to grow at a significant CAGR over the forecast period.

The increasing incidents of bioterrorism, the potential for new and emerging infectious diseases are contributing to the growth of the U.S. biodefense market.

In January 2022, Integrated Viral Protection LLC (IVP) launched a portable air filtration device capable of eliminating a wide range of airborne viruses, including COVID-19 and anthrax spores, in a single pass, boasting exceptional efficacy with patented biodefense technology.

## Contents

### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Market Segmentation & Scope
- 1.2. Segment Definitions
  - 1.2.1. Product
  - 1.2.2. Estimates and forecasts timeline
- 1.3. Research Methodology
- 1.4. Information Procurement
  - 1.4.1. Purchased database
  - 1.4.2. GVR's internal database
  - 1.4.3. Secondary sources
  - 1.4.4. Primary research
- 1.5. Information or Data Analysis
  - 1.5.1. Data analysis models
- 1.6. Market Formulation & Validation
- 1.7. Model Details
  - 1.7.1. Commodity flow analysis (Model 1)
  - 1.7.2. Volume price analysis (Model 2)
- 1.8. List of Secondary Sources
- 1.9. List of Primary Sources
- 1.10. Objectives

### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Market Outlook
- 2.2. Segment Outlook
  - 2.2.1. Product outlook
- 2.3. Competitive Insights

### **CHAPTER 3. U.S. BIODEFENSE MARKET VARIABLES, TRENDS & SCOPE**

- 3.1. Market Lineage Outlook
  - 3.1.1. Parent market outlook
  - 3.1.2. Related/ancillary market outlook
- 3.2. Market Dynamics
  - 3.2.1. Market driver analysis
  - 3.2.2. Market restraint analysis

### 3.3. U.S. Biodefense Market Analysis Tools

#### 3.3.1. Industry Analysis - Porter's

3.3.1.1. Supplier power

3.3.1.2. Buyer power

3.3.1.3. Substitution threat

3.3.1.4. Threat of new entrant

3.3.1.5. Competitive rivalry

#### 3.3.2. PESTEL Analysis

3.3.2.1. Political landscape

3.3.2.2. Technological landscape

3.3.2.3. Economic landscape

## **CHAPTER 4. U.S. BIODEFENSE MARKET: PRODUCT ESTIMATES & TREND ANALYSIS**

### 4.1. Product Market Share, 2023 & 2030

### 4.2. Segment Dashboard

### 4.3. U.S. Biodefense Market by Product Outlook

### 4.4. Market Size & Forecasts and Trend Analyses, 2018 to 2030 for the Following

#### 4.4.1. Anthrax

4.4.1.1. Market estimates and forecasts 2018 to 2030 (USD Billion)

#### 4.4.2. Smallpox

4.4.2.1. Market estimates and forecasts 2018 to 2030 (USD Billion)

#### 4.4.3. Botulism

4.4.3.1. Market estimates and forecasts 2018 to 2030 (USD Billion)

#### 4.4.4. Radiation/nuclear

4.4.4.1. Market estimates and forecasts 2018 to 2030 (USD Billion)

#### 4.4.5. Others

4.4.5.1. Market estimates and forecasts 2018 to 2030 (USD Billion)

## **CHAPTER 5. COMPETITIVE LANDSCAPE**

### 5.1. Recent Developments & Impact Analysis, By Key Market Participants

### 5.2. Company/Competition Categorization

### 5.3. Vendor Landscape

5.3.1. List of key distributors and channel partners

5.3.2. Key customers

5.3.3. Key company heat map analysis, 2023

### 5.4. Company Profiles

#### 5.4.1. XOMA Corporation

- 5.4.1.1. Company overview
- 5.4.1.2. Financial performance
- 5.4.1.3. Product benchmarking
- 5.4.1.4. Strategic initiatives

#### 5.4.2. Altimune, Inc.

- 5.4.2.1. Company overview
- 5.4.2.2. Financial performance
- 5.4.2.3. Product benchmarking
- 5.4.2.4. Strategic initiatives

#### 5.4.3. EMERGENT

- 5.4.3.1. Company overview
- 5.4.3.2. Financial performance
- 5.4.3.3. Product benchmarking
- 5.4.3.4. Strategic initiatives

#### 5.4.4. Dynavax Technologies

- 5.4.4.1. Company overview
- 5.4.4.2. Financial performance
- 5.4.4.3. Product benchmarking
- 5.4.4.4. Strategic initiatives

#### 5.4.5. SIGA Technologies

- 5.4.5.1. Company overview
- 5.4.5.2. Financial performance
- 5.4.5.3. Product benchmarking
- 5.4.5.4. Strategic initiatives

#### 5.4.6. Elusys Therapeutics, Inc.

- 5.4.6.1. Company overview
- 5.4.6.2. Financial performance
- 5.4.6.3. Product benchmarking
- 5.4.6.4. Strategic initiatives

#### 5.4.7. Ichor Medical Systems

- 5.4.7.1. Company overview
- 5.4.7.2. Financial performance
- 5.4.7.3. Product benchmarking
- 5.4.7.4. Strategic initiatives

#### 5.4.8. Dynport Vaccine Company (General Dynamics Information Technology, Inc.)

- 5.4.8.1. Company overview
- 5.4.8.2. Financial performance
- 5.4.8.3. Product benchmarking

- 5.4.8.4. Strategic initiatives
- 5.4.9. Cleveland Biolabs
  - 5.4.9.1. Company overview
  - 5.4.9.2. Financial performance
  - 5.4.9.3. Product benchmarking
  - 5.4.9.4. Strategic initiatives
- 5.4.10. Bavarian Nordic
  - 5.4.10.1. Company overview
  - 5.4.10.2. Financial performance
  - 5.4.10.3. Product benchmarking
  - 5.4.10.4. Strategic initiatives
- 5.4.11. Ology Bioservices, Inc.
  - 5.4.11.1. Company overview
  - 5.4.11.2. Financial performance
  - 5.4.11.3. Product benchmarking
  - 5.4.11.4. Strategic initiatives
- 5.4.12. Alnylam Pharmaceuticals, Inc.
  - 5.4.12.1. Company overview
  - 5.4.12.2. Financial performance
  - 5.4.12.3. Product benchmarking
  - 5.4.12.4. Strategic initiatives

## List Of Tables

### LIST OF TABLES

Table 1 List of abbreviations

Table 2 U.S. biodefense market, by product, 2018 - 2030 (USD Billion)

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Market research process
- Fig. 2 Data triangulation techniques
- Fig. 3 Primary research pattern
- Fig. 4 Market research approaches
- Fig. 5 Value-chain-based sizing & forecasting
- Fig. 6 QFD modeling for market share assessment
- Fig. 7 Market formulation & validation
- Fig. 8 U.S. biodefense market: market outlook
- Fig. 9 Biodefense competitive insights
- Fig. 10 Parent market outlook
- Fig. 11 Related/ancillary market outlook
- Fig. 12 Penetration and growth prospect mapping
- Fig. 13 U.S. biodefense market driver impact
- Fig. 14 U.S. biodefense market restraint impact
- Fig. 15 U.S. biodefense market: Product movement analysis
- Fig. 16 U.S. biodefense market: Product outlook and key takeaways
- Fig. 17 Anthrax market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 18 Smallpox estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 19 Botulism market estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 20 Radiation/nuclear estimates and forecasts, 2018 - 2030 (USD Billion)
- Fig. 21 Others estimates and forecasts, 2018 - 2030 (USD Billion)



## I would like to order

Product name: U.S. Biodefense Market Size, Share & Trends Analysis Report By Product (Anthrax, Small Pox, Botulism, Radiation/nuclear), And Segment Forecasts, 2024 - 2030

Product link: <https://marketpublishers.com/r/UC3FC5FBDA19EN.html>

Price: US\$ 3,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/UC3FC5FBDA19EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

