

# **Global Biological safety testing Market Size study with COVID-19 impact, by Product & service (Kits & reagents, services, and instruments), by Test type (Endotoxin tests, sterility tests, Cell line authentication and characterization tests, bioburden tests and others), by application (Vaccine & Therapeutics Development, Blood and Blood-Related Products Testing, Cellular and Gene Therapy, Tissue and Tissue-Related Products Testing and Stem Cell Research) and Regional Forecasts 2020-2027**

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## **Abstracts**

Global Biological safety testing Market is valued approximately USD 3.40 Billion in 2019 and is anticipated to grow with a healthy growth rate of more than 10.40% over the forecast period 2020-2027. Biologics are termed as those products which obtained from living organism and has a differentiate set of properties. The biologics need extreme safety from contamination therefore biological safety testing is incorporate timely to ensure its safety quality and non-contamination of vaccines & biopharmaceuticals, along with comply with the certain regulations applicable on it. Some of the major biological tests are sterility testing, bioburden testing, residual host contaminant detection tests and endotoxin tests which is used in tissue and tissue products, cellular, vaccine and gene therapy products, blood and blood products and others. The global spread of COVID-19 affects favorable towards the market growth. A significant number of suppliers belongs from biotech firms are investigating about Sars-Cov-2 genome and prepare a viable vaccine for the same. Also, biotech organizations are investigating SARs-Cov-2 at an unprecedented rate and apparently investing certain among of fund

on its R&D which is propelling the market growth in global pandemic of COVID-19. Moreover, favorable government support to life science industries is creating a significant demand for biological safety testing to ensure safety quality and contaminations of vaccines used in pharmaceutical industries. For example: As per UK government, a fund of about USD 1.12 million was sanctioned in 2019 for life science innovation scheme to support research institutes in finding cure of chronic diseases. Also, in 2019, McKinsey & Co and stakeholders which are research based pharmaceutical companies collaborated representing Indian Pharmaceutical Alliance (IPA) to accelerate growth of life science in India. However, dearth of skilled professionals is the factor hampering the growth of market over the forecast years.

The regional analysis of global Biological safety testing market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the rapid growth in healthcare expenditure in the region. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2020-2027. Factors such as growing favorable government regulations regarding life science industries would create lucrative growth prospects for the Biological safety testing market across Asia-Pacific region.

Major market player included in this report are:

Charles River Laboratories International, Inc.

Merck KGaA

Lonza Group LTD.

SGS S.A.

Thermo Fisher Scientific Inc.

Wuxi Apptec

Sartorius AG

Cytovance Biologics, Inc.

Pace Analytical Services Inc.

Toxikon Corporation

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest

along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product & service:

Kits & Reagents

Services

Instruments

By Test type:

Endotoxin Tests

Sterility Tests

Cell Line Authentication and Characterization Tests

Bioburden Tests

Others

By Application:

Vaccine & Therapeutics Development

Blood and Blood-Related Products Testing

Cellular and Gene Therapy

Tissue and Tissue-Related Products Testing

Stem Cell Research

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2017, 2018  
Base year – 2019  
Forecast period – 2020 to 2027

Target Audience of the Global Biological safety testing Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2018-2027 (USD Billion)
  - 1.2.1. Biological Safety Testing Market, by Region, 2018-2027 (USD Billion)
  - 1.2.2. Biological Safety Testing Market, by Product & Service, 2018-2027 (USD Billion)
  - 1.2.3. Biological Safety Testing Market, by Test Type, 2018-2027 (USD Billion)
  - 1.2.4. Biological Safety Testing Market, by Application, 2018-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL BIOLOGICAL SAFETY TESTING MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL BIOLOGICAL SAFETY TESTING MARKET DYNAMICS**

- 3.1. Biological Safety Testing Market Impact Analysis (2018-2027)
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### **CHAPTER 4. GLOBAL BIOLOGICAL SAFETY TESTING MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes

- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2017-2027)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL BIOLOGICAL SAFETY TESTING MARKET, BY PRODUCT & SERVICE**

- 5.1. Market Snapshot
- 5.2. Global Biological Safety Testing Market by Product & Service, Performance - Potential Analysis
- 5.3. Global Biological Safety Testing Market Estimates & Forecasts by Product & Service 2017-2027 (USD Billion)
- 5.4. Biological Safety Testing Market, Sub Segment Analysis
  - 5.4.1. Kits & Reagents
  - 5.4.2. Services
  - 5.4.3. Instruments

## **CHAPTER 6. GLOBAL BIOLOGICAL SAFETY TESTING MARKET, BY TEST TYPE**

- 6.1. Market Snapshot
- 6.2. Global Biological Safety Testing Market by Test Type, Performance - Potential Analysis
- 6.3. Global Biological Safety Testing Market Estimates & Forecasts by Test Type 2017-2027 (USD Billion)
- 6.4. Biological Safety Testing Market, Sub Segment Analysis
  - 6.4.1. Endotoxin Tests
  - 6.4.2. Sterility Tests
  - 6.4.3. Cell Line Authentication and Characterization Tests
  - 6.4.4. Bioburden Tests
  - 6.4.5. Others

## **CHAPTER 7. GLOBAL BIOLOGICAL SAFETY TESTING MARKET, BY APPLICATION**

- 7.1. Market Snapshot
- 7.2. Global Biological Safety Testing Market by Application, Performance - Potential Analysis
- 7.3. Global Biological Safety Testing Market Estimates & Forecasts by Application 2017-2027 (USD Billion)
- 7.4. Biological Safety Testing Market, Sub Segment Analysis
  - 7.4.1. Vaccine & Therapeutics Development
  - 7.4.2. Blood and Blood-Related Products Testing
  - 7.4.3. Cellular and Gene Therapy
  - 7.4.4. Tissue and Tissue-Related Products Testing
  - 7.4.5. Stem Cell Research

## **CHAPTER 8. GLOBAL BIOLOGICAL SAFETY TESTING MARKET, REGIONAL ANALYSIS**

- 8.1. Biological Safety Testing Market, Regional Market Snapshot
- 8.2. North America Biological Safety Testing Market
  - 8.2.1. U.S. Biological Safety Testing Market
    - 8.2.1.1. Product & Service breakdown estimates & forecasts, 2017-2027
    - 8.2.1.2. Test Type breakdown estimates & forecasts, 2017-2027
    - 8.2.1.3. Application breakdown estimates & forecasts, 2017-2027
  - 8.2.2. Canada Biological Safety Testing Market
- 8.3. Europe Biological Safety Testing Market Snapshot
  - 8.3.1. U.K. Biological Safety Testing Market
  - 8.3.2. Germany Biological Safety Testing Market
  - 8.3.3. France Biological Safety Testing Market
  - 8.3.4. Spain Biological Safety Testing Market
  - 8.3.5. Italy Biological Safety Testing Market
  - 8.3.6. Rest of Europe Biological Safety Testing Market
- 8.4. Asia-Pacific Biological Safety Testing Market Snapshot
  - 8.4.1. China Biological Safety Testing Market
  - 8.4.2. India Biological Safety Testing Market
  - 8.4.3. Japan Biological Safety Testing Market
  - 8.4.4. Australia Biological Safety Testing Market
  - 8.4.5. South Korea Biological Safety Testing Market
  - 8.4.6. Rest of Asia Pacific Biological Safety Testing Market
- 8.5. Latin America Biological Safety Testing Market Snapshot
  - 8.5.1. Brazil Biological Safety Testing Market

- 8.5.2. Mexico Biological Safety Testing Market
- 8.6. Rest of The World Biological Safety Testing Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles
  - 9.2.1. Charles River Laboratories International, Inc.
    - 9.2.1.1. Key Information
    - 9.2.1.2. Overview
    - 9.2.1.3. Financial (Subject to Data Availability)
    - 9.2.1.4. Product Summary
    - 9.2.1.5. Recent Developments
  - 9.2.2. Merck KGaA
  - 9.2.3. Lonza Group LTD.
  - 9.2.4. SGS S.A.
  - 9.2.5. Thermo Fisher Scientific Inc.
  - 9.2.6. Wuxi Apptec
  - 9.2.7. Sartorius AG
  - 9.2.8. Cytovance Biologics, Inc.
  - 9.2.9. Pace Analytical Services Inc.
  - 9.2.10. Toxikon Corporation

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Biological Safety Testing market, report scope

TABLE 2. Global Biological Safety Testing market estimates & forecasts by region  
2017-2027 (USD Billion)

TABLE 3. Global Biological Safety Testing market estimates & forecasts by Product &  
Service 2017-2027 (USD Billion)

TABLE 4. Global Biological Safety Testing market estimates & forecasts by Test Type  
2017-2027 (USD Billion)

TABLE 5. Global Biological Safety Testing market estimates & forecasts by Application  
2017-2027 (USD Billion)

TABLE 6. Global Biological Safety Testing market by segment, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 7. Global Biological Safety Testing market by region, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 8. Global Biological Safety Testing market by segment, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 9. Global Biological Safety Testing market by region, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 10. Global Biological Safety Testing market by segment, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 11. Global Biological Safety Testing market by region, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 12. Global Biological Safety Testing market by segment, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 13. Global Biological Safety Testing market by region, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 14. Global Biological Safety Testing market by segment, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 15. Global Biological Safety Testing market by region, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 16. Global Biological Safety Testing market by segment, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 17. Global Biological Safety Testing market by region, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 18. Global Biological Safety Testing market by segment, estimates & forecasts,  
2017-2027 (USD Billion)

TABLE 19. Global Biological Safety Testing market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 20. Global Biological Safety Testing market by segment, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 21. Global Biological Safety Testing market by region, estimates & forecasts, 2017-2027 (USD Billion)

TABLE 22. U.S. Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 23. U.S. Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 24. U.S. Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 25. Canada Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 26. Canada Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 27. Canada Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 28. UK Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 29. UK Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 30. UK Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 31. Germany Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 32. Germany Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 33. Germany Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 34. France Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 35. France Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 36. France Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 37. Spain Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 38. Spain Biological Safety Testing market estimates & forecasts by segment

2017-2027 (USD Billion)

TABLE 39. Spain Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 40. Italy Biological Safety Testing market estimates & forecasts, 2017-2027  
(USD Billion)

TABLE 41. Italy Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 42. Italy Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 43. ROE Biological Safety Testing market estimates & forecasts, 2017-2027  
(USD Billion)

TABLE 44. ROE Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 45. ROE Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 46. China Biological Safety Testing market estimates & forecasts, 2017-2027  
(USD Billion)

TABLE 47. China Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 48. China Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 49. India Biological Safety Testing market estimates & forecasts, 2017-2027  
(USD Billion)

TABLE 50. India Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 51. India Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 52. Japan Biological Safety Testing market estimates & forecasts, 2017-2027  
(USD Billion)

TABLE 53. Japan Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 54. Japan Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 55. Australia Biological Safety Testing market estimates & forecasts, 2017-2027  
(USD Billion)

TABLE 56. Australia Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 57. Australia Biological Safety Testing market estimates & forecasts by segment  
2017-2027 (USD Billion)

TABLE 58. South Korea Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 59. South Korea Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 60. South Korea Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 61. ROPAC Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 62. ROPAC Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 63. ROPAC Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 64. Brazil Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 65. Brazil Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 66. Brazil Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 67. Mexico Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 68. Mexico Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 69. Mexico Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 70. ROLA Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 71. ROLA Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 72. ROLA Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 73. ROW Biological Safety Testing market estimates & forecasts, 2017-2027 (USD Billion)

TABLE 74. ROW Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 75. ROW Biological Safety Testing market estimates & forecasts by segment 2017-2027 (USD Billion)

TABLE 76. List of secondary sources, used in the study of global Biological Safety Testing market

TABLE 77. List of primary sources, used in the study of global Biological Safety Testing

market

TABLE 78. Years considered for the study

TABLE 79. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Biological Safety Testing market, research methodology
- FIG 2. Global Biological Safety Testing market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Biological Safety Testing market, key trends 2019
- FIG 5. Global Biological Safety Testing market, growth prospects 2020-2027
- FIG 6. Global Biological Safety Testing market, porters 5 force model
- FIG 7. Global Biological Safety Testing market, pest analysis
- FIG 8. Global Biological Safety Testing market, value chain analysis
- FIG 9. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 10. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 11. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 12. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 13. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 14. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 15. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 16. Global Biological Safety Testing market by segment, 2017 & 2027 (USD Billion)
- FIG 17. Global Biological Safety Testing market, regional snapshot 2017 & 2027
- FIG 18. North America Biological Safety Testing market 2017 & 2027 (USD Billion)
- FIG 19. Europe Biological Safety Testing market 2017 & 2027 (USD Billion)
- FIG 20. Asia Pacific Biological Safety Testing market 2017 & 2027 (USD Billion)
- FIG 21. Latin America Biological Safety Testing market 2017 & 2027 (USD Billion)
- FIG 22. Global Biological Safety Testing market, company market share analysis (2019)

### COMPANIES MENTIONED

Charles River Laboratories International, Inc.  
Merck KGaA  
Lonza Group LTD.  
SGS S.A.  
Thermo Fisher Scientific Inc.  
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