

# Global Biological Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Biological Sensor market size was valued at USD 25230 million in 2023 and is forecast to a readjusted size of USD 46110 million by 2030 with a CAGR of 9.0% during review period.

A biosensor is an analytical device, used for the detection of an analyze, it combines a biological component with a physicochemical detector. The sensitive biological element (e.g. tissue, microorganisms, organelles, cell receptors, enzymes, antibodies, nucleic acids, etc.) is a biologically derived material or biomimetic component that interacts (binds or recognizes) with the analyze under study. Biological engineering can also create the biologically sensitive elements. The transducer or the detector element (works in a physicochemical way; optical, piezoelectric, electrochemical, etc.) transforms the signal resulting from the interaction of the analyze with the biological element into another signal (i.e., transduces) that can be more easily measured and quantified. The biosensor reader device with the associated electronics or signal processors that are primarily responsible for the display of the results in a user-friendly way. This sometimes accounts for the most expensive part of the sensor device, however it is possible to generate a user friendly display that includes transducer and sensitive element (holographic sensor). The readers are usually custom-designed and manufactured to suit the different working principles of biosensors.

Market competition is intense. Abbott, Platinum Equity, Nova Biomedical, etc. are the leaders of the industry. Top 5 companies accounted for 0.4524 market share in 2019.

The Global Info Research report includes an overview of the development of the Biological Sensor industry chain, the market status of POC Testing (Wearable, Non-

Wearable), Home Diagnostics (Wearable, Non-Wearable), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Biological Sensor.

Regionally, the report analyzes the Biological Sensor 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 Biological Sensor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Biological Sensor 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 Biological Sensor 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 sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Wearable, Non-Wearable).

**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 Biological Sensor market.

**Regional Analysis:** The report involves examining the Biological Sensor 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 Biological Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Biological Sensor:

**Company Analysis:** Report covers individual Biological Sensor manufacturers, 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 Biological Sensor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (POC Testing, Home Diagnostics).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Biological Sensor 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

Biological Sensor 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 volume and value.

### Market segment by Type

Wearable

Non-Wearable

### Market segment by Application

POC Testing

Home Diagnostics

Research Laboratories

Others

#### Major players covered

Abbott

Platinum Equity

Nova Biomedical

Bayer

Roche

ARKRAY

Medtronic

B.Braun

Sinocare

Yicheng

Yuyue Medical

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

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

Chapter 2, to profile the top manufacturers of Biological Sensor, with price, sales, revenue and global market share of Biological Sensor from 2019 to 2024.

Chapter 3, the Biological Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Biological Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Biological Sensor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Biological Sensor.

Chapter 14 and 15, to describe Biological Sensor sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Biological Sensor
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
  - 1.3.1 Overview: Global Biological Sensor Consumption Value by Type: 2019 Versus 2023 Versus 2030
  - 1.3.2 Wearable
  - 1.3.3 Non-Wearable
- 1.4 Market Analysis by Application
  - 1.4.1 Overview: Global Biological Sensor Consumption Value by Application: 2019 Versus 2023 Versus 2030
  - 1.4.2 POC Testing
  - 1.4.3 Home Diagnostics
  - 1.4.4 Research Laboratories
  - 1.4.5 Others
- 1.5 Global Biological Sensor Market Size & Forecast
  - 1.5.1 Global Biological Sensor Consumption Value (2019 & 2023 & 2030)
  - 1.5.2 Global Biological Sensor Sales Quantity (2019-2030)
  - 1.5.3 Global Biological Sensor Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

- 2.1 Abbott
  - 2.1.1 Abbott Details
  - 2.1.2 Abbott Major Business
  - 2.1.3 Abbott Biological Sensor Product and Services
  - 2.1.4 Abbott Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.1.5 Abbott Recent Developments/Updates
- 2.2 Platinum Equity
  - 2.2.1 Platinum Equity Details
  - 2.2.2 Platinum Equity Major Business
  - 2.2.3 Platinum Equity Biological Sensor Product and Services
  - 2.2.4 Platinum Equity Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.2.5 Platinum Equity Recent Developments/Updates

## 2.3 Nova Biomedical

### 2.3.1 Nova Biomedical Details

### 2.3.2 Nova Biomedical Major Business

### 2.3.3 Nova Biomedical Biological Sensor Product and Services

### 2.3.4 Nova Biomedical Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.3.5 Nova Biomedical Recent Developments/Updates

## 2.4 Bayer

### 2.4.1 Bayer Details

### 2.4.2 Bayer Major Business

### 2.4.3 Bayer Biological Sensor Product and Services

### 2.4.4 Bayer Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.4.5 Bayer Recent Developments/Updates

## 2.5 Roche

### 2.5.1 Roche Details

### 2.5.2 Roche Major Business

### 2.5.3 Roche Biological Sensor Product and Services

### 2.5.4 Roche Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.5.5 Roche Recent Developments/Updates

## 2.6 ARKRAY

### 2.6.1 ARKRAY Details

### 2.6.2 ARKRAY Major Business

### 2.6.3 ARKRAY Biological Sensor Product and Services

### 2.6.4 ARKRAY Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.6.5 ARKRAY Recent Developments/Updates

## 2.7 Medtronic

### 2.7.1 Medtronic Details

### 2.7.2 Medtronic Major Business

### 2.7.3 Medtronic Biological Sensor Product and Services

### 2.7.4 Medtronic Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

### 2.7.5 Medtronic Recent Developments/Updates

## 2.8 B.Braun

### 2.8.1 B.Braun Details

### 2.8.2 B.Braun Major Business

### 2.8.3 B.Braun Biological Sensor Product and Services



2.8.4 B.Braun Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.8.5 B.Braun Recent Developments/Updates

2.9 Sinocare

2.9.1 Sinocare Details

2.9.2 Sinocare Major Business

2.9.3 Sinocare Biological Sensor Product and Services

2.9.4 Sinocare Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 Sinocare Recent Developments/Updates

2.10 Yicheng

2.10.1 Yicheng Details

2.10.2 Yicheng Major Business

2.10.3 Yicheng Biological Sensor Product and Services

2.10.4 Yicheng Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Yicheng Recent Developments/Updates

2.11 Yuyue Medical

2.11.1 Yuyue Medical Details

2.11.2 Yuyue Medical Major Business

2.11.3 Yuyue Medical Biological Sensor Product and Services

2.11.4 Yuyue Medical Biological Sensor Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 Yuyue Medical Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: BIOLOGICAL SENSOR BY MANUFACTURER**

3.1 Global Biological Sensor Sales Quantity by Manufacturer (2019-2024)

3.2 Global Biological Sensor Revenue by Manufacturer (2019-2024)

3.3 Global Biological Sensor Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Biological Sensor by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Biological Sensor Manufacturer Market Share in 2023

3.4.2 Top 6 Biological Sensor Manufacturer Market Share in 2023

3.5 Biological Sensor Market: Overall Company Footprint Analysis

3.5.1 Biological Sensor Market: Region Footprint

3.5.2 Biological Sensor Market: Company Product Type Footprint

3.5.3 Biological Sensor Market: Company Product Application Footprint



- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Biological Sensor Market Size by Region
  - 4.1.1 Global Biological Sensor Sales Quantity by Region (2019-2030)
  - 4.1.2 Global Biological Sensor Consumption Value by Region (2019-2030)
  - 4.1.3 Global Biological Sensor Average Price by Region (2019-2030)
- 4.2 North America Biological Sensor Consumption Value (2019-2030)
- 4.3 Europe Biological Sensor Consumption Value (2019-2030)
- 4.4 Asia-Pacific Biological Sensor Consumption Value (2019-2030)
- 4.5 South America Biological Sensor Consumption Value (2019-2030)
- 4.6 Middle East and Africa Biological Sensor Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Biological Sensor Sales Quantity by Type (2019-2030)
- 5.2 Global Biological Sensor Consumption Value by Type (2019-2030)
- 5.3 Global Biological Sensor Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Biological Sensor Sales Quantity by Application (2019-2030)
- 6.2 Global Biological Sensor Consumption Value by Application (2019-2030)
- 6.3 Global Biological Sensor Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

- 7.1 North America Biological Sensor Sales Quantity by Type (2019-2030)
- 7.2 North America Biological Sensor Sales Quantity by Application (2019-2030)
- 7.3 North America Biological Sensor Market Size by Country
  - 7.3.1 North America Biological Sensor Sales Quantity by Country (2019-2030)
  - 7.3.2 North America Biological Sensor Consumption Value by Country (2019-2030)
  - 7.3.3 United States Market Size and Forecast (2019-2030)
  - 7.3.4 Canada Market Size and Forecast (2019-2030)
  - 7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

- 8.1 Europe Biological Sensor Sales Quantity by Type (2019-2030)
- 8.2 Europe Biological Sensor Sales Quantity by Application (2019-2030)
- 8.3 Europe Biological Sensor Market Size by Country
  - 8.3.1 Europe Biological Sensor Sales Quantity by Country (2019-2030)
  - 8.3.2 Europe Biological Sensor Consumption Value by Country (2019-2030)
  - 8.3.3 Germany Market Size and Forecast (2019-2030)
  - 8.3.4 France Market Size and Forecast (2019-2030)
  - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
  - 8.3.6 Russia Market Size and Forecast (2019-2030)
  - 8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Biological Sensor Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Biological Sensor Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Biological Sensor Market Size by Region
  - 9.3.1 Asia-Pacific Biological Sensor Sales Quantity by Region (2019-2030)
  - 9.3.2 Asia-Pacific Biological Sensor Consumption Value by Region (2019-2030)
  - 9.3.3 China Market Size and Forecast (2019-2030)
  - 9.3.4 Japan Market Size and Forecast (2019-2030)
  - 9.3.5 Korea Market Size and Forecast (2019-2030)
  - 9.3.6 India Market Size and Forecast (2019-2030)
  - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
  - 9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

- 10.1 South America Biological Sensor Sales Quantity by Type (2019-2030)
- 10.2 South America Biological Sensor Sales Quantity by Application (2019-2030)
- 10.3 South America Biological Sensor Market Size by Country
  - 10.3.1 South America Biological Sensor Sales Quantity by Country (2019-2030)
  - 10.3.2 South America Biological Sensor Consumption Value by Country (2019-2030)
  - 10.3.3 Brazil Market Size and Forecast (2019-2030)
  - 10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Biological Sensor Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Biological Sensor Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Biological Sensor Market Size by Country

11.3.1 Middle East & Africa Biological Sensor Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Biological Sensor Consumption Value by Country  
(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

12.1 Biological Sensor Market Drivers

12.2 Biological Sensor Market Restraints

12.3 Biological Sensor Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Biological Sensor and Key Manufacturers

13.2 Manufacturing Costs Percentage of Biological Sensor

13.3 Biological Sensor Production Process

13.4 Biological Sensor Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Biological Sensor Typical Distributors

14.3 Biological Sensor Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Biological Sensor Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Biological Sensor Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Abbott Basic Information, Manufacturing Base and Competitors

Table 4. Abbott Major Business

Table 5. Abbott Biological Sensor Product and Services

Table 6. Abbott Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Abbott Recent Developments/Updates

Table 8. Platinum Equity Basic Information, Manufacturing Base and Competitors

Table 9. Platinum Equity Major Business

Table 10. Platinum Equity Biological Sensor Product and Services

Table 11. Platinum Equity Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Platinum Equity Recent Developments/Updates

Table 13. Nova Biomedical Basic Information, Manufacturing Base and Competitors

Table 14. Nova Biomedical Major Business

Table 15. Nova Biomedical Biological Sensor Product and Services

Table 16. Nova Biomedical Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Nova Biomedical Recent Developments/Updates

Table 18. Bayer Basic Information, Manufacturing Base and Competitors

Table 19. Bayer Major Business

Table 20. Bayer Biological Sensor Product and Services

Table 21. Bayer Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Bayer Recent Developments/Updates

Table 23. Roche Basic Information, Manufacturing Base and Competitors

Table 24. Roche Major Business

Table 25. Roche Biological Sensor Product and Services

Table 26. Roche Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Roche Recent Developments/Updates

Table 28. ARKRAY Basic Information, Manufacturing Base and Competitors

- Table 29. ARKRAY Major Business
- Table 30. ARKRAY Biological Sensor Product and Services
- Table 31. ARKRAY Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. ARKRAY Recent Developments/Updates
- Table 33. Medtronic Basic Information, Manufacturing Base and Competitors
- Table 34. Medtronic Major Business
- Table 35. Medtronic Biological Sensor Product and Services
- Table 36. Medtronic Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Medtronic Recent Developments/Updates
- Table 38. B.Braun Basic Information, Manufacturing Base and Competitors
- Table 39. B.Braun Major Business
- Table 40. B.Braun Biological Sensor Product and Services
- Table 41. B.Braun Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. B.Braun Recent Developments/Updates
- Table 43. Sinocare Basic Information, Manufacturing Base and Competitors
- Table 44. Sinocare Major Business
- Table 45. Sinocare Biological Sensor Product and Services
- Table 46. Sinocare Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. Sinocare Recent Developments/Updates
- Table 48. Yicheng Basic Information, Manufacturing Base and Competitors
- Table 49. Yicheng Major Business
- Table 50. Yicheng Biological Sensor Product and Services
- Table 51. Yicheng Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. Yicheng Recent Developments/Updates
- Table 53. Yuyue Medical Basic Information, Manufacturing Base and Competitors
- Table 54. Yuyue Medical Major Business
- Table 55. Yuyue Medical Biological Sensor Product and Services
- Table 56. Yuyue Medical Biological Sensor Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 57. Yuyue Medical Recent Developments/Updates
- Table 58. Global Biological Sensor Sales Quantity by Manufacturer (2019-2024) & (K Units)
- Table 59. Global Biological Sensor Revenue by Manufacturer (2019-2024) & (USD Million)



Table 60. Global Biological Sensor Average Price by Manufacturer (2019-2024) & (US\$/Unit)

Table 61. Market Position of Manufacturers in Biological Sensor, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 62. Head Office and Biological Sensor Production Site of Key Manufacturer

Table 63. Biological Sensor Market: Company Product Type Footprint

Table 64. Biological Sensor Market: Company Product Application Footprint

Table 65. Biological Sensor New Market Entrants and Barriers to Market Entry

Table 66. Biological Sensor Mergers, Acquisition, Agreements, and Collaborations

Table 67. Global Biological Sensor Sales Quantity by Region (2019-2024) & (K Units)

Table 68. Global Biological Sensor Sales Quantity by Region (2025-2030) & (K Units)

Table 69. Global Biological Sensor Consumption Value by Region (2019-2024) & (USD Million)

Table 70. Global Biological Sensor Consumption Value by Region (2025-2030) & (USD Million)

Table 71. Global Biological Sensor Average Price by Region (2019-2024) & (US\$/Unit)

Table 72. Global Biological Sensor Average Price by Region (2025-2030) & (US\$/Unit)

Table 73. Global Biological Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 74. Global Biological Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 75. Global Biological Sensor Consumption Value by Type (2019-2024) & (USD Million)

Table 76. Global Biological Sensor Consumption Value by Type (2025-2030) & (USD Million)

Table 77. Global Biological Sensor Average Price by Type (2019-2024) & (US\$/Unit)

Table 78. Global Biological Sensor Average Price by Type (2025-2030) & (US\$/Unit)

Table 79. Global Biological Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 80. Global Biological Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 81. Global Biological Sensor Consumption Value by Application (2019-2024) & (USD Million)

Table 82. Global Biological Sensor Consumption Value by Application (2025-2030) & (USD Million)

Table 83. Global Biological Sensor Average Price by Application (2019-2024) & (US\$/Unit)

Table 84. Global Biological Sensor Average Price by Application (2025-2030) & (US\$/Unit)

Table 85. North America Biological Sensor Sales Quantity by Type (2019-2024) & (K Units)



Table 86. North America Biological Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 87. North America Biological Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 88. North America Biological Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 89. North America Biological Sensor Sales Quantity by Country (2019-2024) & (K Units)

Table 90. North America Biological Sensor Sales Quantity by Country (2025-2030) & (K Units)

Table 91. North America Biological Sensor Consumption Value by Country (2019-2024) & (USD Million)

Table 92. North America Biological Sensor Consumption Value by Country (2025-2030) & (USD Million)

Table 93. Europe Biological Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 94. Europe Biological Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 95. Europe Biological Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 96. Europe Biological Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 97. Europe Biological Sensor Sales Quantity by Country (2019-2024) & (K Units)

Table 98. Europe Biological Sensor Sales Quantity by Country (2025-2030) & (K Units)

Table 99. Europe Biological Sensor Consumption Value by Country (2019-2024) & (USD Million)

Table 100. Europe Biological Sensor Consumption Value by Country (2025-2030) & (USD Million)

Table 101. Asia-Pacific Biological Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 102. Asia-Pacific Biological Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 103. Asia-Pacific Biological Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 104. Asia-Pacific Biological Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 105. Asia-Pacific Biological Sensor Sales Quantity by Region (2019-2024) & (K Units)

Table 106. Asia-Pacific Biological Sensor Sales Quantity by Region (2025-2030) & (K Units)

Table 107. Asia-Pacific Biological Sensor Consumption Value by Region (2019-2024) &

(USD Million)

Table 108. Asia-Pacific Biological Sensor Consumption Value by Region (2025-2030) & (USD Million)

Table 109. South America Biological Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 110. South America Biological Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 111. South America Biological Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 112. South America Biological Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 113. South America Biological Sensor Sales Quantity by Country (2019-2024) & (K Units)

Table 114. South America Biological Sensor Sales Quantity by Country (2025-2030) & (K Units)

Table 115. South America Biological Sensor Consumption Value by Country (2019-2024) & (USD Million)

Table 116. South America Biological Sensor Consumption Value by Country (2025-2030) & (USD Million)

Table 117. Middle East & Africa Biological Sensor Sales Quantity by Type (2019-2024) & (K Units)

Table 118. Middle East & Africa Biological Sensor Sales Quantity by Type (2025-2030) & (K Units)

Table 119. Middle East & Africa Biological Sensor Sales Quantity by Application (2019-2024) & (K Units)

Table 120. Middle East & Africa Biological Sensor Sales Quantity by Application (2025-2030) & (K Units)

Table 121. Middle East & Africa Biological Sensor Sales Quantity by Region (2019-2024) & (K Units)

Table 122. Middle East & Africa Biological Sensor Sales Quantity by Region (2025-2030) & (K Units)

Table 123. Middle East & Africa Biological Sensor Consumption Value by Region (2019-2024) & (USD Million)

Table 124. Middle East & Africa Biological Sensor Consumption Value by Region (2025-2030) & (USD Million)

Table 125. Biological Sensor Raw Material

Table 126. Key Manufacturers of Biological Sensor Raw Materials

Table 127. Biological Sensor Typical Distributors

Table 128. Biological Sensor Typical Customers



## List Of Figures

### LIST OF FIGURES

Figure 1. Biological Sensor Picture

Figure 2. Global Biological Sensor Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Biological Sensor Consumption Value Market Share by Type in 2023

Figure 4. Wearable Examples

Figure 5. Non-Wearable Examples

Figure 6. Global Biological Sensor Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Biological Sensor Consumption Value Market Share by Application in 2023

Figure 8. POC Testing Examples

Figure 9. Home Diagnostics Examples

Figure 10. Research Laboratories Examples

Figure 11. Others Examples

Figure 12. Global Biological Sensor Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 13. Global Biological Sensor Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 14. Global Biological Sensor Sales Quantity (2019-2030) & (K Units)

Figure 15. Global Biological Sensor Average Price (2019-2030) & (US\$/Unit)

Figure 16. Global Biological Sensor Sales Quantity Market Share by Manufacturer in 2023

Figure 17. Global Biological Sensor Consumption Value Market Share by Manufacturer in 2023

Figure 18. Producer Shipments of Biological Sensor by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 19. Top 3 Biological Sensor Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Top 6 Biological Sensor Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Global Biological Sensor Sales Quantity Market Share by Region (2019-2030)

Figure 22. Global Biological Sensor Consumption Value Market Share by Region (2019-2030)

Figure 23. North America Biological Sensor Consumption Value (2019-2030) & (USD

Million)

Figure 24. Europe Biological Sensor Consumption Value (2019-2030) & (USD Million)

Figure 25. Asia-Pacific Biological Sensor Consumption Value (2019-2030) & (USD Million)

Figure 26. South America Biological Sensor Consumption Value (2019-2030) & (USD Million)

Figure 27. Middle East & Africa Biological Sensor Consumption Value (2019-2030) & (USD Million)

Figure 28. Global Biological Sensor Sales Quantity Market Share by Type (2019-2030)

Figure 29. Global Biological Sensor Consumption Value Market Share by Type (2019-2030)

Figure 30. Global Biological Sensor Average Price by Type (2019-2030) & (US\$/Unit)

Figure 31. Global Biological Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 32. Global Biological Sensor Consumption Value Market Share by Application (2019-2030)

Figure 33. Global Biological Sensor Average Price by Application (2019-2030) & (US\$/Unit)

Figure 34. North America Biological Sensor Sales Quantity Market Share by Type (2019-2030)

Figure 35. North America Biological Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 36. North America Biological Sensor Sales Quantity Market Share by Country (2019-2030)

Figure 37. North America Biological Sensor Consumption Value Market Share by Country (2019-2030)

Figure 38. United States Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Canada Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Mexico Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Europe Biological Sensor Sales Quantity Market Share by Type (2019-2030)

Figure 42. Europe Biological Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 43. Europe Biological Sensor Sales Quantity Market Share by Country (2019-2030)

Figure 44. Europe Biological Sensor Consumption Value Market Share by Country (2019-2030)

- Figure 45. Germany Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 46. France Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 47. United Kingdom Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 48. Russia Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 49. Italy Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 50. Asia-Pacific Biological Sensor Sales Quantity Market Share by Type (2019-2030)
- Figure 51. Asia-Pacific Biological Sensor Sales Quantity Market Share by Application (2019-2030)
- Figure 52. Asia-Pacific Biological Sensor Sales Quantity Market Share by Region (2019-2030)
- Figure 53. Asia-Pacific Biological Sensor Consumption Value Market Share by Region (2019-2030)
- Figure 54. China Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 55. Japan Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 56. Korea Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 57. India Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 58. Southeast Asia Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 59. Australia Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 60. South America Biological Sensor Sales Quantity Market Share by Type (2019-2030)
- Figure 61. South America Biological Sensor Sales Quantity Market Share by Application (2019-2030)
- Figure 62. South America Biological Sensor Sales Quantity Market Share by Country (2019-2030)
- Figure 63. South America Biological Sensor Consumption Value Market Share by Country (2019-2030)
- Figure 64. Brazil Biological Sensor Consumption Value and Growth Rate (2019-2030) &



(USD Million)

Figure 65. Argentina Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Middle East & Africa Biological Sensor Sales Quantity Market Share by Type (2019-2030)

Figure 67. Middle East & Africa Biological Sensor Sales Quantity Market Share by Application (2019-2030)

Figure 68. Middle East & Africa Biological Sensor Sales Quantity Market Share by Region (2019-2030)

Figure 69. Middle East & Africa Biological Sensor Consumption Value Market Share by Region (2019-2030)

Figure 70. Turkey Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 71. Egypt Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Saudi Arabia Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. South Africa Biological Sensor Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Biological Sensor Market Drivers

Figure 75. Biological Sensor Market Restraints

Figure 76. Biological Sensor Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Biological Sensor in 2023

Figure 79. Manufacturing Process Analysis of Biological Sensor

Figure 80. Biological Sensor Industrial Chain

Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source



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