

Asia Pacific Glucose Biosensors Market Size study, by Type (Electrochemical Biosensor, Optical Biosensor, Others) by End Use (Hospitals, Homecare, Diagnostic Center) and Country Forecasts 2022-2032

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Abstracts

Asia Pacific Glucose Biosensors Market is valued approximately at USD 2.69 billion in 2023 and is anticipated to grow with a growth rate of more than 9.45% over the forecast period 2024-2032. Glucose biosensors are specialized devices used to detect and measure glucose concentrations in various samples, most commonly in blood. They integrate a biological component, typically an enzyme such as glucose oxidase, which specifically reacts with glucose, with a transducer that converts this biological response into an electrical signal. This signal is then measured and analyzed to determine the glucose level. Glucose biosensors are essential in managing diabetes, allowing for the continuous and accurate monitoring of blood glucose levels, which is crucial for timely adjustments in treatment and maintaining optimal blood sugar control. Furthermore, rising improvement and expansion of healthcare infrastructure in emerging economies within the region, facilitating greater access to advanced glucose monitoring technologies. are gaining attention towards Asia Pacific Glucose Biosensors Market.

Asia Pacific Glucose Biosensors Market is driven by increase in the prevalence of diabetes, particularly in countries such as China and India, which have large population. This rising incidence of diabetes necessitates effective glucose monitoring solutions, thus boosting the demand for glucose biosensors. In addition, technological advancement in biosensor technology, including the development of non-invasive and minimally invasive glucose monitoring devices, are contributing to the market growth. These innovations aim to improve patient comfort and compliance, making glucose monitoring more accessible and convenient for individuals with diabetes. Furthermore, increasing healthcare expenditure and growing awareness about the importance of

diabetes management are the factors driving market expansion in the region. Government initiatives and educational campaigns are raising awareness about the benefits of regular glucose monitoring, leading to greater adoption of glucose biosensors. However, concerns regarding data privacy and security associated with connected devices are going to impede the overall demand for the market during the forecast period 2024-2032.

The key Countries considered for the Asia Pacific Glucose Biosensors market study includes China, India, Japan, South Korea, Australia and Rest of Asia Pacific. In 2023, Japan was the dominating regional market in terms of revenue. Japan has a well-established healthcare infrastructure and a strong emphasis on technological innovation, making it conducive to the adoption of advanced medical devices such as glucose biosensors. The country's aging population and high prevalence of diabetes contribute to a significant demand for effective glucose monitoring solutions across the region. Japan's growth in the biosensor market is fueled by cutting-edge technological advancements. An example of this is a wireless bio resonator, unveiled by Waseda University in April 2023. This innovative device, founded on parity-time symmetry principles, excels in detecting minuscule levels of tear glucose and blood lactate. Its remarkable sensitivity and adaptability herald a new era in personalized health monitoring and digitized healthcare systems. This breakthrough not only revolutionizes glucose monitoring and disease management but also propels biosensor technology to new heights. Japan's leadership in this field is solidified by such developments, which promise enhanced healthcare solutions for the future. Furthermore, the market in India, on the other hand, is expected to grow at the fastest rate over the forecast period 2024-2032.

Major market player included in this report are:

Terumo Corporation
Nipro Corporation
Sinocare Inc.
TaiDoc Technology Corporation
Company 5
Company 6
Company 7
Company 8
Company 9
Company 10

The detailed segments and sub-segment of the market are explained below:

Asia Pacific Glucose Biosensors Market Size study, by Type (Electrochemical Biosensor, Optical Biosensor, Othe...

By Type

Electrochemical Biosensor

Optical Biosensor

Others

By End Use

Hospitals

Homecare

Diagnostic Center

By Region:

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and country level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

Contents

CHAPTER 1. ASIA PACIFIC GLUCOSE BIOSENSORS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Research Assumptions
 - 1.3.1. Inclusion & Exclusion
 - 1.3.2. Limitations
 - 1.3.3. Supply Side Analysis
 - 1.3.3.1. Availability
 - 1.3.3.2. Infrastructure
 - 1.3.3.3. Regulatory Environment
 - 1.3.3.4. Market Competition
 - 1.3.3.5. Economic Viability (Consumer's Perspective)
 - 1.3.4. Demand Side Analysis
 - 1.3.4.1. Regulatory frameworks
 - 1.3.4.2. Technological Advancements
 - 1.3.4.3. Environmental Considerations
 - 1.3.4.4. Consumer Awareness & Acceptance
- 1.4. Estimation Methodology
- 1.5. Years Considered for the Study
- 1.6. Currency Conversion Rates

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Asia Pacific Glucose Biosensors Market Size & Forecast (2022- 2032)
- 2.2. Regional Summary
- 2.3. Segmental Summary
 - 2.3.1. By Type
 - 2.3.2. By End Use
- 2.4. Key Trends
- 2.5. Recession Impact
- 2.6. Analyst Recommendation & Conclusion

CHAPTER 3. ASIA PACIFIC GLUCOSE BIOSENSORS MARKET DYNAMICS

- 3.1. Market Drivers

- 3.2. Market Challenges
- 3.3. Market Opportunities

CHAPTER 4. ASIA PACIFIC GLUCOSE BIOSENSORS 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
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economic
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top investment opportunity
- 4.4. Top winning strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. ASIA PACIFIC GLUCOSE BIOSENSORS MARKET SIZE & FORECASTS BY TYPE 2022-2032

- 5.1. Electrochemical Biosensor
- 5.2. Optical Biosensor
- 5.3. Others

CHAPTER 6. ASIA PACIFIC GLUCOSE BIOSENSORS MARKET SIZE & FORECASTS BY END USE 2022-2032

- 6.1. Hospitals
- 6.2. Homecare

6.3. Diagnostic Center

CHAPTER 7. ASIA PACIFIC GLUCOSE BIOSENSORS MARKET SIZE & FORECASTS BY COUNTRY 2022-2032

7.1. China Glucose Biosensors Market

7.1.1. Type breakdown size & forecasts, 2022-2032

7.1.2. End Use breakdown size & forecasts, 2022-2032

7.2. India Glucose Biosensors Market

7.3. Japan Glucose Biosensors Market

7.4. Australia Glucose Biosensors Market

7.5. South Korea Glucose Biosensors Market

7.6. Rest of Asia Pacific Glucose Biosensors Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. Terumo Corporation

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

8.3.1.5. Market Strategies

8.3.2. Nipro Corporation

8.3.3. Sinocare Inc.

8.3.4. TaiDoc Technology Corporation

8.3.5. Company

8.3.6. Company

8.3.7. Company

8.3.8. Company

8.3.9. Company

8.3.10. Company

CHAPTER 9. RESEARCH PROCESS

9.1. Research Process

9.1.1. Data Mining

9.1.2. Analysis

9.1.3. Market Estimation

9.1.4. Validation

9.1.5. Publishing

9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Asia Pacific Glucose Biosensors market, report scope

TABLE 2. Asia Pacific Glucose Biosensors market estimates & forecasts by Country 2022-2032 (USD Billion)

TABLE 3. Asia Pacific Glucose Biosensors market estimates & forecasts by Type 2022-2032 (USD Billion)

TABLE 4. Asia Pacific Glucose Biosensors market estimates & forecasts by End Use 2022-2032 (USD Billion)

TABLE 5. Asia Pacific Glucose Biosensors market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 6. Asia Pacific Glucose Biosensors market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 7. Asia Pacific Glucose Biosensors market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Asia Pacific Glucose Biosensors market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Asia Pacific Glucose Biosensors market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Asia Pacific Glucose Biosensors market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Asia Pacific Glucose Biosensors market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Asia Pacific Glucose Biosensors market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Asia Pacific Glucose Biosensors market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Asia Pacific Glucose Biosensors market by country, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. China Glucose Biosensors market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. China Glucose Biosensors market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. China Glucose Biosensors market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. India Glucose Biosensors market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. India Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 20. India Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 21. Japan Glucose Biosensors market estimates & forecasts, 2022-2032 (USD
Billion)

TABLE 22. Japan Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 23. Japan Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 24. Australia Glucose Biosensors market estimates & forecasts, 2022-2032
(USD Billion)

TABLE 25. Australia Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 26. Australia Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 27. South Korea Glucose Biosensors market estimates & forecasts, 2022-2032
(USD Billion)

TABLE 28. South Korea Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 29. South Korea Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 30.

TABLE 31. RoAPAC Glucose Biosensors market estimates & forecasts, 2022-2032
(USD Billion)

TABLE 32. RoAPAC Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 33. RoAPAC Glucose Biosensors market estimates & forecasts by segment
2022-2032 (USD Billion)

TABLE 34. List of secondary sources, used in the study of Asia Pacific Glucose
Biosensors Market.

TABLE 35. List of primary sources, used in the study of Asia Pacific Glucose
Biosensors Market.

TABLE 36. Years considered for the study.

TABLE 37. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Asia Pacific Glucose Biosensors market, research methodology
- FIG 2. Asia Pacific Glucose Biosensors market, market estimation techniques
- FIG 3. Asia Pacific market size estimates & forecast methods.
- FIG 4. Asia Pacific Glucose Biosensors market, key trends 2023
- FIG 5. Asia Pacific Glucose Biosensors market, growth prospects 2022-2032
- FIG 6. Asia Pacific Glucose Biosensors market, porters 5 force model
- FIG 7. Asia Pacific Glucose Biosensors market, pestel analysis
- FIG 8. Asia Pacific Glucose Biosensors market, value chain analysis
- FIG 9. Asia Pacific Glucose Biosensors market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Asia Pacific Glucose Biosensors market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Asia Pacific Glucose Biosensors market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Asia Pacific Glucose Biosensors market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Asia Pacific Glucose Biosensors market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Asia Pacific Glucose Biosensors market, Country snapshot 2022 & 2032
- FIG 15. Asia Pacific Glucose Biosensors market 2022 & 2032 (USD Billion)
- FIG 16. Asia Pacific Glucose Biosensors market, company market share analysis (2023)

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