

# **Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Bio-Sensors for non-clinical Applications Market 2018, Forecast to 2023**

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## **Abstracts**

Biosensors were first introduced in 1962 with the development of enzyme electrodes by scientist Leland C. Clark. Since then, research communities from fields such as very large scale integration, chemistry, physics, and material science have come together to develop more reliable, sophisticated, and mature biosensors. These biosensors found their applications in the field of medicine, biotechnology, agriculture, as well as military and bioterrorism detection and prevention.

Scope of the Report:

This report focuses on the Bio-Sensors for non-clinical Applications in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

Nanotechnology is an emerging technology that involves the study, creation, manipulation, and use of materials, devices, and systems with dimensions lesser than 100 nm. It also plays a crucial role in the development of biosensors. Nanomaterials not only help introduce several new signal transduction technologies in biosensors but also improve the sensitivity and performance of biosensors. The development of nanotech has resulted in an increase in the applications of nanomaterials in biosensors to a large extent. For example, nanomaterials-based biosensors can significantly increase the sensitivity and specificity of biomolecule detection, detect and manipulate atoms and molecules, and also show potential in applications such as biomolecular recognition, pathogenic diagnosis, and environment monitoring. Moreover, various kinds of nanomaterials, including carbon nanotubes, gold nanoparticles, and quantum dots are being increasingly used in biosensors due to their unique chemical,

physical, mechanical, magnetic, and optical properties. The is anticipated to result in the manufacturing of better and more efficient biosensors, leading to their augmented adoption in the coming years.

North America dominated the market and is expected to reach more than USD 4 billion by 2020. North America has always been a pioneer in the adoption of new technologies and their implementation for a wide array of applications. Moreover, this region is home to a large number of notable OEMs for fitness trackers and wearables such as Apple, FitBit, Motorola, Jawbone, and Nike. These factors will contribute to the expansion of this market in North Americas until the end of 2020.

The worldwide market for Bio-Sensors for non-clinical Applications is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Biosensor Applications

DuPont

Remedios

Smiths Detection

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

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

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

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Piezoelectric

Thermal

Optical

Electrochemical

Market Segment by Applications, can be divided into

Military and Defense

Food and Beverage

Environment Monitoring

Healthcare

Others

There are 15 Chapters to deeply display the global Bio-Sensors for non-clinical Applications market.

Chapter 1, to describe Bio-Sensors for non-clinical Applications Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Bio-Sensors for non-clinical Applications, with sales, revenue, and price of Bio-Sensors for non-clinical Applications, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Bio-Sensors for non-clinical Applications, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and

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by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Bio-Sensors for non-clinical Applications market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Bio-Sensors for non-clinical Applications sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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