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eSensor Manufacturing and Technology

## Biosensors and Medical Diagnostics Market

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# Topics covered today

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## **The Future For Biosensors and Medical Diagnostics is Extremely Bright**

- Within three years the size of the biosensor market will be in excess of 20 billion dollars?
- How to capitalise on the opportunity?
- How to accelerate your biosensor development/revenue and get to market ASAP?

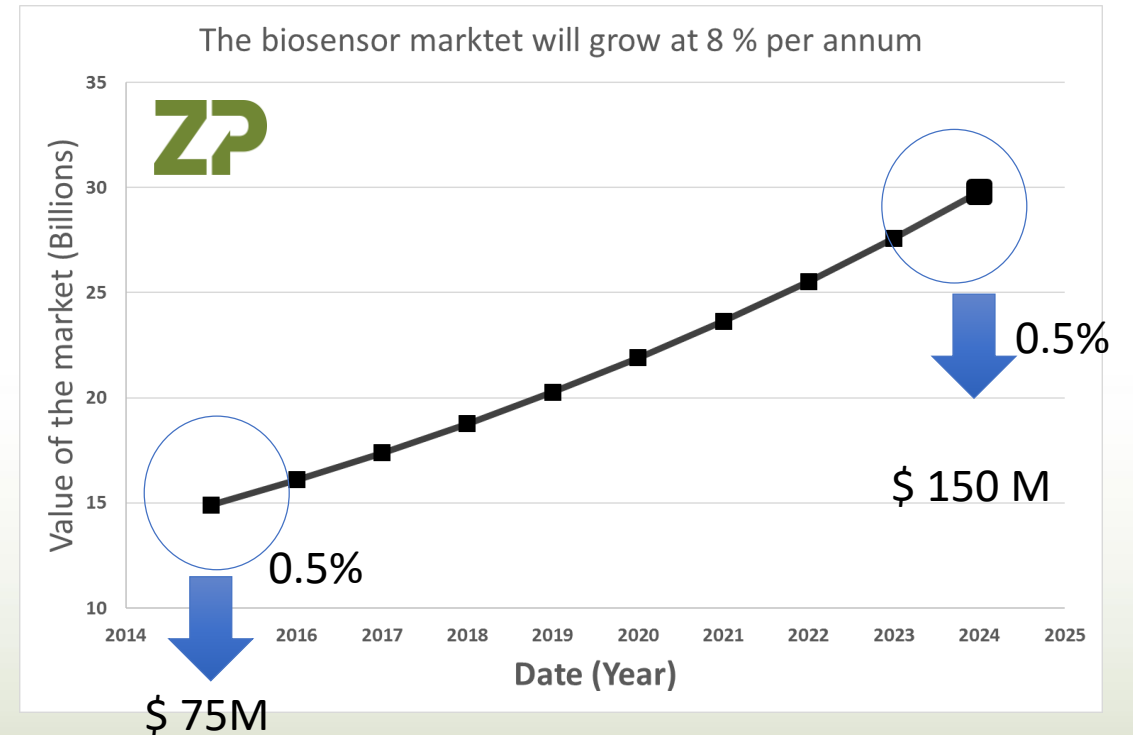
# Features of the market biosensor/medical diagnostic market

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# Market growth

- Global biosensors market size is valued at an estimated USD **14.8 billion in 2015**, and predicted to reach USD 29.6 billion by 2024, at an estimated 8% CAGR from 2016 to 2024

Comment the IVD market in China is growing at 20 %



# Features of the market – it's big and getting bigger?

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- Increasing worldwide prevalence of chronic conditions such as diabetes and growing need for fast and accurate detection of any associated conditions is expected to boost biosensors market size.
- Favourable government initiatives along with technological advancements in various medical and non-medical based application will contribute to industry expansion.
- The rising patient awareness and extended biosensors usage in application areas such as medical, environment, and agriculture should further accelerate industry demand.
- Point of Care (PoC) testing remains the most lucrative end user segment contributing to over 47% of biosensors industry share, attributed to advancements in the field of microelectronics and biotechnology and rising demand for rapid and portable PoC diagnostic devices. (cheap electronics and meso-fluidics).
- U.S. leads the industry owing to its increased adoption in expanded indications, rising government support for R&D and growing prevalence of associated chronic ailments.
- Asia Pacific is anticipated to expand its revenue share by virtue of its rapid economic growth, growing patient awareness and improving healthcare infrastructure.



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# Diabetes does contribute to the market

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- Blood glucose monitoring held the largest share in medical application segment, with target market size exceeding USD 15 billion by 2024.



# Market of buyers

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- Abbott Laboratories (U.S.), ARKRAY, Inc. (Japan), Bayer AG (Germany), Dexcom, Inc. (U.S.), F. Hoffmann-La Roche Ltd (Switzerland), Johnson & Johnson (U.S.), Medtronic plc (U.S.), Nipro Diagnostics, Inc. (U.S.), and Terumo Medical Corporation (U.S.) are some of the key players engaged in the development and manufacturing of blood glucose monitoring devices.



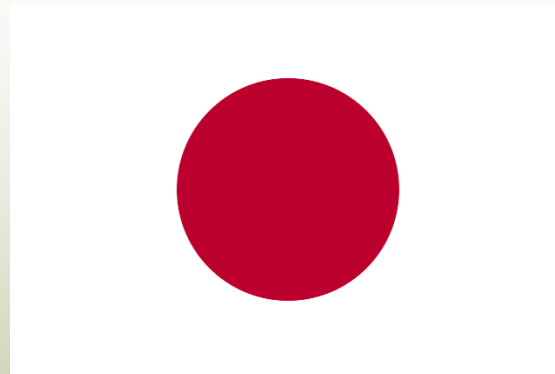
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# Where are the markets?

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- U.S. biosensors market leads the industry owing to large number of clinical trials coupled with sophisticated healthcare infrastructure, followed by Germany and UK.





# Barrier to entry

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- However, in case of electrochemical biosensors, the R&D activities are capital intensive.



# What's hot right now?



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# Point of care, wearable and implantable



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