

# Label-Free Detection Market- Global Opportunity Analysis And Industry Forecast (2017-2022)

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## Abstracts

### MARKET OVERVIEW

Cells and organs are complex systems because of the interactions and the relations between cells to cells, DNA to RNA, RNA to proteins, and other biomolecules. In this, the Protein-Protein Interactions (PPIs) are one of the most significant, interesting, and complicated interactions due to their ability to bind together and form a complex in order to carry out biological functions. The molecular and biological processes are largely dependent on these interactions and abnormal mechanisms in these lead to the development of various chronic diseases such as cancers and metabolic syndromes among others. Therefore, the understanding on these interactions and the binding kinetics of target molecules plays an important role in the drug discovery for various chronic diseases. The label free detection technologies support researchers for accurate identification of basic mechanism of biomolecules and target assay in chronic diseases; thereby enabled the researchers in innovating new drug discovery programs. In addition, this eliminates the risk of most of the molecular and genetic diseases by pre-clinical detection, thereby increasing the adoption of label free detection technologies in research activities across the globe.

Global label free detection market is expected to reach USD 2,292.0 million by 2022, at a CAGR of 8.8% during the forecast period of 2017 to 2022. The global label free detection market is mainly driven by rapid growth in pharmaceutical and biotechnology market, rising government initiatives and funding for various R&D activities, and increasing drug discovery with innovative approaches. Moreover, emerging economies such as Asia-Pacific and Latin America provides significant opportunities in this market.

### MARKET SEGMENTATION

The global label free detection market is mainly segmented by product (consumables and instruments), by technology (surface plasmon resonance, bio-layer interferometry, cellular dielectric spectroscopy, electrical impedance spectroscopy, optical wave guide grating technology, and others), by application (binding kinetics, hit confirmation, lead generation, endogenous receptor detection, binding thermodynamics, and others), and by end user (pharmaceutical & biotechnology industry, academic and research institutes, contract research organizations, and others)

Global Label Free Detection Market, by Application, 2017- 2022

Label Free Detection Market

Source: Meticulous Research analysis

## **GEOGRAPHIC OVERVIEW**

Geographically, the global label free detection market is segmented into five major regions, namely North America, Europe, Asia-Pacific, Latin America, and Middle East & Africa. These regions are further analyzed at a country level with the detailed qualitative and quantitative analysis. North America accounted for the major share in the global Label free detection market in 2016 and is also estimated to continue its dominance during the forecast period. However, Asia-Pacific region possesses lucrative growth potential for the label free detection market during the forecast period, owing to the growing demand in China and India, increasing investment in the healthcare and pharmaceutical sector, growing investment from government & non-government bodies, rise in geriatric population, rapid increase in the research and development activities, increase in the number of research and academic institutes, and rising drug discovery programs.

## **KEY PLAYERS**

The key players operating in the global label free detection market are GE Healthcare (U.S.), Corning Inc. (U.S.), F. Hoffmann-La Roche Ltd. (Switzerland), Danaher Corporation (U.S.), Bio-Rad Laboratories, Inc. (U.S.), AMETEK, Inc.(U.S.), BiOptix Inc. (U.S.), Horiba, Ltd. (Japan), BioNavis Limited (Finland), PerkinElmer Inc. (U.S.), and Attana AB (Sweden).

## **SCOPE OF THE REPORT**

### Market by Product

Consumables

Biosensor chips

Microplates

Instruments

### Market by Technology

Surface Plasmon Resonance

Bio-Layer Interferometry

Cellular Dielectric Spectroscopy

Electrical Impedance Spectroscopy

Optical Waveguide Grating Technology

Others

### Market by Application

Binding Kinetics

Hit Confirmation

Lead Generation

Endogenous Receptor Detection

Binding Thermodynamics

Others

### Market by End Users

Pharmaceutical and Biotechnology Industry

Academic and Research Institutes

Contract Research Organizations

Others

Market by Geography

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Spain

Turkey

Rest of Europe (RoE)

Asia-Pacific (APAC)

China

Japan

India

Indonesia

South Korea

Rest of APAC (RoAPAC)

Latin America

Middle East & Africa

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