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Label Free Detection Market by Product & Service (Instruments, Consumables (Biosensor Chips, Microplates), Software), Technology (Surface Plasmon Resonance), Application (Hit Confirmation, Lead Generation), End User (Pharma, CROs) & Region – Global Forecast to 2028

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Abstracts

The global label-free detection market is projected to reach USD 863 million by 2028 from USD 570 million in 2023, at a CAGR of 8.7% during the forecast period of 2023 to 2028. The growth of this market can be attributed to the rising industry-academia collaborations for research. For instance, In June 2023, Waters Corporation announced a multi-year research collaboration with Princeton University that will enable scientists, faculty, and students to work together to bring their diverse skills and backgrounds to solve complex challenges in biochemistry and materials science. Under the new agreement, the Waters-Princeton collaboration will bring together academic and industry researchers to tap into knowledge and expertise from various scientific domains and disciplines to identify and solve problems that matter. One such research project will focus on novel media for purification to help advance drug development and discovery.

“The biosensor chips segment accounted for the largest share by consumables during the forecast period”

In 2022, biosensor chips segment accounted for the largest share by consumables in the global label-free detection market. Biosensors are important tools in the fields of biochemistry and biomedical engineering because they provide a platform for the detection of various analytes. Currently, label-free biosensors are widely used in

proteomics and biomolecular interaction studies, as the detection of the chemical or biological agent by the transducer does not rely on dyes, enzymes, or radiolabels. Conventionally, many small molecules are detected by chromatographic methods, which are usually costly, bulky, and require expertise. Biosensors offer a cheaper and faster alternative. Some advantages of biosensors over classical methods for small-molecule detection include real-time monitoring, high specificity, fast response times, reduced consumption of organic solvents and sample manipulation, portability, compactness, and easy operation.

“Europe: The second largest region in the label-free detection market”

Europe accounted for the second-largest market for label-free detection market after North America. The European label-free detection market has witnessed significant growth in recent years, driven by various factors that have propelled its expansion. Europe is at the forefront of developing and adopting emerging technologies in the field of label-free detection market. This includes advancements in label-free detection technologies. The adoption of these innovative technologies accelerates the progress of viral vector and plasmid DNA manufacturing research and expands its applications. Additionally, Europe offers comprehensive training and education programs in label-free detection technologies. Universities, research institutes, and organizations provide funding, and conferences to enhance the knowledge and skills of scientists and researchers. The availability of funding promotes the adoption and utilization of of label-free detection technologies in Europe.

The primary interviews conducted for this report can be categorized as follows:

By Respondent: Supply Side- 80% and Demand Side 20%

By Designation: C-level - 55%, D-level - 20%, and Others - 25%

By Region: North America -45%, Europe -20%, Asia-Pacific -25%, Latin America and Middle East & Africa- 10%

List of Companies Profiled in the Report:

Danaher (US)

Sartorius AG (Germany)

Waters Corporation (US)

PerkinElmer, Inc. (US)

AMETEK, Inc. (US)

HORIBA, Ltd. (Japan)

Spectris (UK)

METTLER TOLEDO International Inc., (US)

Agilent Technologies, Inc. (US)

Shimadzu Corporation (Japan)

Hitachi High-Tech Corporation (Japan)

Attana AB (Sweden)

Bruker (US)

NanoTemper Technologies GmbH (Germany)

Affinit? Instruments (Canada)

Biosensing Instrument (US)

Unchained Labs (US)

BioNavis Ltd. (Finland)

Carterra, Inc. (US)

Nicoya (Canada)

BiOptix Analytical LLC (US)

Plexera Bioscience (US)

XanTec Bioanalytics GmbH (Germany)

lino Biotech AG (Switzerland)

KEP Technologies (France)

Research Coverage:

This report provides a detailed picture of the label-free detection market. It aims at estimating the size and future growth potential of the market across different segments such as the product & service, technology, application, end user and region. The report also includes an in-depth competitive analysis of the key market players along with their company profiles recent developments and key market strategies.

Key Benefits of Buying the Report:

The report will help market leaders/new entrants by providing them with the closest approximations of the revenue numbers for the overall market and its subsegments. It will also help stakeholders better understand the competitive landscape and gain more insights to better position their business and make suitable go-to-market strategies. This report will enable stakeholders to understand the market's pulse and provide them with information on the key market drivers, restraints, opportunities, and challenges

The report provides insights on the following pointers:

Analysis of key drivers (Introduction of technologically advanced products, growing number of drug discovery programs through academic-industrial partnerships and high sensitivity of label-free technologies), restraints (High cost of instruments), opportunities (Growing life science research activities in emerging markets), and challenges (Shortage of skilled professionals) influencing the growth of the market.

Product and Service Development/Innovation: Detailed insights on newly launched products and technological assessment of the label-free detection market

Market Development: Comprehensive information about lucrative markets - the report analyses the market across varied regions.

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the label-free detection market

Competitive Assessment: In-depth assessment of market shares, growth strategies and products offerings of leading players like Danaher (US), Sartorius AG (Germany), Waters Corporation (US), PerkinElmer, Inc. (US), AMETEK, Inc. (US), HORIBA, Ltd. (Japan), Spectris (UK), METTLER TOLEDO International Inc., (US), Agilent Technologies, Inc. (US), Shimadzu Corporation (Japan), Hitachi High-Tech Corporation (Japan), Attana AB (Sweden), Bruker (US), NanoTemper Technologies GmbH (Germany), Affinit? Instruments (Canada), Biosensing Instrument (US), Unchained Labs (US), BioNavis Ltd. (Finland), Carterra, Inc. (US), Nicoya (Canada), BiOptix Analytical LLC (US), Plexera Bioscience (US), XanTec Bioanalytics GmbH (Germany), Iino Biotech AG (Switzerland), and KEP Technologies (France)., and among others in the market.

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*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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