

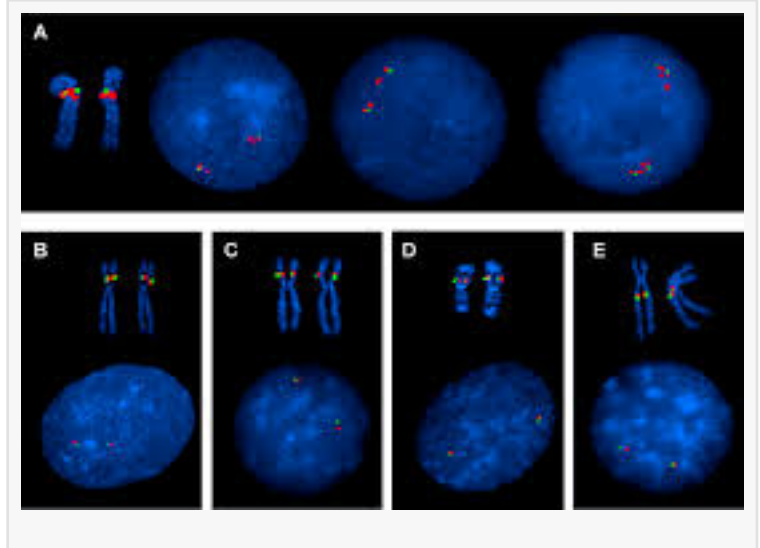
FISH-based diagnostics are expected to rule the Global In-Situ Hybridization Market

In Situ Hybridization Market By Technique, By Application, & End User, And By Region - Global Size, Share, Growth, Trends, And Forecasts (2018-2023)

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The improvements in the biotechnology have been transforming the study of DNA and genes to an advanced level. One such advancement is the introduction of In-situ hybridization. This technique helps to localize a particular DNA or RNA sequence in some parts of tissue or whole tissue or cells or other relevant areas by labelling a complementary DNA, RNA or altered nucleic acid strands. However, it is completely

distinct from the conventional immunohistochemistry that includes protein localization in tissues. In situ hybridization plays a key role in understanding the function of genes by identifying the chromosomes or specific nucleic acid sequences in tissues and cells.



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Lead Analyst @ Market Data Forecast

Global [In Situ Hybridization Market](#) was worth USD 556 million in 2018 and estimated to be growing at a CAGR of 5.75%, to reach USD 735.32 million by 2023

The study of tissues is essential in identifying the tumours in the human body to avoid the serious consequences of the cancerous cells in the advanced stages. Fluorescence in situ hybridization (FISH), and Chromogenic in situ hybridization (CISH) are the two significant types of this technique that can be helpful in understanding the existing position of cancer cells inside the body.

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The increasing number of cancer cases around the world is the principal factor driving the growth of the global In-situ hybridization market. The technological advancements in the biotechnology coupled with the growing awareness for the early identification of cancer cells is another significant factor promoting the market growth. Additionally, the rising disposable income and healthcare expenditure of the people and the supportive initiatives by the government are also supporting the market expansion around the world.

On the flip side, the availability of alternative technologies that are cheaper like whole genome sequencing and others is primarily limiting the rapid growth of the global market. Furthermore,

the lack of awareness about the advancements in the diagnostics in the remote areas of the developing nations is also hampering the market boom.

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The complete report for the global In-situ hybridization market provides all the data essential for the decision making and investing opportunities based on the market size, share, revenue, history, current trends and future predictions. It also provides the deep sights of the global market based on the technique, applications, end-user, and regional analysis, along with the competitive landscape.

Based on the technique, the global market is segmented into FISH and CISH. The FISH-based diagnostics is expected to register the highest growth rate in the forecast period according to the recent statistics.

Based on the applications, the market is segmented into Cancer Diagnosis, Neuroscience, Cytology, and Infectious Disease. The cancer diagnosis is the highest revenue accounted segment of the worldwide market and is predicted to witness rapid CAGR in the future due to the rising prevalence of cancer in developed and developing nations.

Based on the end-users, the market is segmented into Molecular Diagnostic Laboratories, Academic and Research Institutions. The molecular diagnostics segment registered the largest share in terms of revenue in the previous years and also expected to witness highest annual growth rate in the forecast period due to increasing fluorescence in-situ hybridization diagnostic techniques in cancer treatment.

Based on the geographical distribution, the market is segmented into North America, Latin America, Asia Pacific, the Middle East and Africa, and Europe. North America is the dominating region of the global market attributing to the increasing number of cancer patients, advanced healthcare infrastructure and favourable reimbursement policies. Nonetheless, the Asia Pacific market is estimated to witness swift growth in the forecast period due to the improving healthcare conditions in the economies like India, China, etc., and supportive government initiatives.

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The full report also provides in-depth analysis of the competitive landscape of the in-situ hybridization market that includes leading companies and the new entrants. Some of the prominent among those companies are Thermo Fisher Scientific, Inc., Abbott Laboratories, Inc., Agilent Technologies, Merck kGaA, BioGenex Laboratories, Inc., Advanced Cell Diagnostics, Inc., Bio SB Inc., PerkinElmer, Inc., and others.

Scope of the report:

- Global, regional and country-level analysis and forecasts of the study market; providing Insights on the major countries/regions in which this industry is blooming and to also identify the regions that are still untapped
- Segment-level analysis in terms of technology, component, and type along with market size forecasts and estimations to detect key areas of industry growth in detail
- Identification of key drivers, restraints, opportunities, and challenges (DROC) in the market and their impact on shifting market dynamics
- A comprehensive list of key market players along with their product portfolio, current strategic interests, key financial information, legal issues, SWOT analysis and analyst overview to study and sustain the market environment
- Competitive landscape analysis listing out the mergers, acquisitions, collaborations in the field along with new product launches, comparative financial studies and recent developments in the

market by the major companies

- An executive summary, abridging the entire report in such a way that decision-making personnel can rapidly become acquainted with background information, concise analysis and main conclusions

Related research study: [Blood Culture Tests Market](#), [Pressure Monitoring Devices Market](#)

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