Global Immunofluorescence Assay Market Research Report, by Technique (Primary, Secondary), by Product Type (Antibodies, Kits), by Application (Clinical research), End-User (Clinical Diagnostics, Hospitals & Research Institutes) - Global Forecast Till 2023

Market Scenario
The global Immunofluorescence Assay market is expected to reach an approximate CAGR of 5.8% during the forecast period. The increase in biological studies in research and development for detection of biomolecules like proteins, glycans, and small biological and non-biological molecules of various diseases drives the market growth. Immunofluorescence Assays are used for rapid and sensitive diagnostics of various chronic diseases like cancer, autoimmune diseases, infectious diseases like HIV, neurological diseases such as Alzheimer's and Parkinson's disease and chronic diseases like cancer. Immunofluorescence assay is a primary detection test used for patients suspected with autoimmune disease. According to National Institutes of Health (2012), autoimmune diseases are most prevalent among other diseases, and 23.5 million people in America suffer from autoimmune diseases, whereas 9 million people have cancer. Furthermore, according to Alzheimer's Association in 2018, 5.7 million Americans are affected by Alzheimer's disease. Thus, such high incidence of autoimmune and neurological diseases and increasing government funding enhances the growth in this market. Also, growing demand for rapid and precise measurement of biomolecules, increased use of Immunofluorescence Assay for diagnostic and research purposes, increased R&D activities and advanced technology are the key factors for the market to grow.

However, factors such as expensive diagnostic kits, chances of cross contaminations, shortage of skilled labor and weak detection signals are expected to restrict the market growth during the forecast period.

Research Methodology
Market Research Future research is conducted by industry experts who offer insights into industry structure, market segmentation, assessment, Competitive Landscape (CL), penetration, as well as on emerging trends. Besides primary interviews (~ 80%) and secondary research (~ 20%), their analysis is based on their years of professional expertise in respective industries. Our analysts also predict where the market will be headed in the next five to ten years, by analyzing historical trends and current market positions. Furthermore, the varying trends of segments and categories geographically presented are studied and are estimated based on the primary and secondary research.

Primary Research
Extensive primary research was conducted to gain a deeper insight into the market and the industry performance. In this particular report, we have conducted primary surveys (interviews) with key level executives (VPs, CEOs, Marketing Directors, Business Development Managers, and many more) of the major players who are active in the market. In addition to analyzing the current and historical trends, our analysts predict where the market is headed, over the next five to ten years.

Secondary Research
Secondary research was mainly used to collect and identify information useful for the extensive, technical, market-oriented, and commercial study of the global Immunofluorescence Assay market. It was also used to obtain key information about major players, market classification, and segmentation according to industry trends, geographical markets, and developments related to the market and perspectives. For this study, analysts have gathered information from various credible sources, such as annual reports, SEC filings, journals, white papers, corporate presentations, company websites, international organization of chemical manufacturers, some paid databases, and many others.

Segmentation
The global immunofluorescence assay market is segmented on the basis of technique, product type, application and end user. The immunofluorescence assay market, by technique, is sub-segmented into primary (direct) immunofluorescence assays, secondary (indirect) immunofluorescence assays, and microimmunofluorescence. Secondary (indirect) immunofluorescence assays category includes salt split technique, antigenic mapping method, and double staining method.

On the basis of product type, the market is categorized into antibodies, kits and reagents, instruments, labeling dyes
Instruments are further sub-segmented into microscopes and imaging analysis systems. The application segment includes clinical research, clinical diagnostics, research & development. Clinical diagnostics segment is categorized into infectious diseases, cancer, cardiovascular diseases, autoimmune diseases, neurological diseases. On the basis of end-user, the market is segmented into biotechnology companies, hospitals & research institutes, contract research organizations and diagnostic centers.

On the basis of region, the global Immunofluorescence Assay market is segmented into the Americas, Europe, Asia Pacific, and the Middle East and Africa.

The Americas is sub-segmented into North America and South America. The North American region is further segmented into the U.S. and Canada. The European region is divided into two, namely, Western Europe and Eastern Europe. Western Europe is further classified into Germany, Italy, France, the U.K., Spain, and the rest of Western Europe. The Asia Pacific region is sub-segmented into Japan, China, India, Australia, the Republic of Korea, and the rest of Asia Pacific. The Middle Eastern and African region is sub-segmented into the United Arab Emirates, Saudi Arabia, Oman, Kuwait, Qatar, and the rest of the Middle East and Africa.

Key players


Regional Market Summary

Global Immunofluorescence Assay Market Share (%), by Region, 2017

Sources: National Institutes of Health, U.S. Investments in Medical and Health Research and Development, Department of Biotechnology, Department of Science and Technology

The Immunofluorescence Assay market is dominated by North America owing to the high prevalence of chronic diseases and high R&D investments within this region stimulate market growth. According to the U.S. Investments in Medical and Health Research and Development in 2016, the United States invested total $171.8 billion in medical and health R&D and the investment increased by 20.6% from 2013 to 2016. Also, the rising adoption of technologically advanced systems for early diagnosis of diseases drives the market growth in this region.

It is estimated that Europe stood second in the global Immunofluorescence Assay market. Rising prevalence of chronic diseases such as cancer is driving the growth of this market in Europe. According to the Eurostat in 2014, 272 thousand people deaths were due to lung cancer. Thus, increasing prevalence of cancer in Europe drives the market growth. Furthermore, rapidly growing biotechnology sector in Europe is expected to boost the market in this region.

Asia Pacific was projected to be the fastest growing region for the global Immunofluorescence Assay market. Key factors such as growing patient pool, high incidence of chronic diseases, developing healthcare infrastructure and increasing research & development activities in biotechnology sector influences the market in this region. Also, the presence of major market players China, India, and Japan drive the market growth.

The Middle East and Africa holds the least share in the global Immunofluorescence Assay market due to the presence of stringent government policies and poor economies. However, growing awareness among the population and high investments by private market players in this region can boost the market growth.

Market Segmentation and Key Market Players

Global Immunofluorescence Assays Market, by Technique,

- Primary (Direct) Immunofluorescence assays
- Secondary (Indirect) Immunofluorescence assays
  - Salt split technique
  - Antigenic mapping method
  - Double Staining method
Global Immunofluorescence Assays Market, by Product Type
- Antibodies
- Kits and reagents
- Instruments
- Microscopes
- Imaging Analysis Systems
- Labelling dyes
- Species Product Type

Global Immunofluorescence Assays Market, by Application
- Clinical research
- Clinical Diagnostics
- Infectious Diseases
- Cancer
- Cardiovascular Diseases
- Autoimmune Diseases
- Neurological Diseases
- Research & Development

Global Immunofluorescence Assays Market, by End-User
- Biotechnology Companies
- Hospitals & Research Institutes
- Contract Research Organizations
- Diagnostic centers

Global Immunofluorescence Assay Market, by Region
- The Americas
- Europe
- Asia Pacific
- The Middle East & Africa

Global Immunofluorescence Assay Market, by Key Players
- Abcam plc
- Thermo Fisher Scientific
- BioLegend, Inc.
- Enzo Life Sciences, Inc.
- Sino Biological Inc.
- BioTek Instruments, Inc.
- Bio-Rad Laboratories, Inc.
- Zyagen
- Cell Signaling Technology, Inc.
- PerkinElmer Inc.
- Becton Dickinson and Company
- Merck
- Agilent Technologies
- TCS Biosciences Ltd.
- Maxvision Biosciences Inc.

Intended Audience
- Pharmaceutical companies
- Biotechnological institutes
- Government and private laboratories
- Research and Development (R&D) companies
- Medical research laboratories
- Market research and consulting service providers

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