

# **Europe Fluorescence In-Situ Hybridization (Fish) Imaging Systems Market Forecast to 2030 – Regional Analysis – By Product (Instruments, Consumables, Accessories, and Software), Application (Cancer Diagnosis, Genetic Disease Diagnosis, Infectious Disease Diagnostic, and Others), and End User (Diagnostic Laboratories, Contract Research Organizations, Pharmaceutical and Biotechnological Companies, and Others)**

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## **Abstracts**

The Europe fluorescence in-situ hybridization (FISH) imaging systems market is expected to grow from US\$ 268.0 million in 2022 to US\$ 460.7 million by 2030. It is estimated to grow at a CAGR of 7.0% from 2022 to 2030.

Technological Advancements in Fluorescence in Situ Hybridization Imaging Fuel Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market

FISH imaging systems are witnessing a remarkable evolution due to the surge in technological advancements, which result in cutting-edge innovations transforming the landscape of genetic research and diagnostics. These advancements include enhanced optics, more sensitive and versatile fluorophores, and sophisticated automation features. Modern FISH imaging systems, integrated with these upgraded features, offer greater sensitivity, improved image resolution, and faster processing times. Moreover, these technological advancements have extended the application scope of FISH imaging from cancer diagnosis to genetic predisposition testing. In July 2021, BioView and Capio Biosciences collaborated to create a platform for collecting circulating tumor cells (CTCs) from whole blood. By integrating their technologies, these companies further worked on improving the CTC liquid biopsy downstream analysis. Similarly,

BioView and Capio Biosciences, in collaboration, partnered with RUBYnanomed in December 2020 to create a unique imaging solution to accelerate the acceptance and adoption of CTC technology in clinics to enhance cancer detection. Thus, technological advancements in FISH imaging systems create significant opportunities for companies in the fluorescence in situ hybridization (FISH) imaging systems market.

Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Overview  
The Europe fluorescence in-situ hybridization (FISH) imaging systems market in Europe is segmented into Germany, the UK, France, Italy, Spain, and the Rest of Europe. The region holds a significant share of the global market. The European Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market is expected to grow significantly during the forecast period due to the strong medical device manufacturing capabilities and high cancer prevalence in different European countries. Germany is one of the most lucrative medical device markets across the world. According to International Trade Administration (ITA), the German medical device market accounts for ~US\$ 35.8 billion annually or 25.6% of the total European medical device market. As per ITA, Germany is the third-largest medical technology market in the world after the US and Japan and is by far the largest European market.

Catering to the largest population in Europe, Germany's healthcare sector is a highly attractive sector with significant growth opportunities. A steady increase in life expectancy levels has led to a rise in cases of cancer and chronic and age-related illnesses. According to the data from The World Bank, in 2022, approximately 22% of Germans are aged 65 and above and prone to at least one chronic disease; this percentage is slightly higher than in any other European country. According to World Cancer Research Fund (WCRF) International, Germany had a significant incidence age-standardized rate of 281.9 cancer cases per 100,000, with 538,140 new cases in 2020. Additionally, as per GLOBOCAN 2020, Germany has a high prevalence rate of breast, prostate, lung, and colorectum cancer. Improved health awareness due to the prevalence of chronic diseases and cancer has increased the demand for diagnostics systems. Thus, the adoption of fluorescence in-situ hybridization (FISH) imaging systems is growing rapidly in Germany due to the flourishing medical device R&D landscape and rising cancer cases.

Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue and Forecast to 2030 (US\$ Million)

Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Segmentation

The Europe fluorescence in-situ hybridization (FISH) imaging systems market is segmented into product, application, end users and country.

Based on product, the Europe fluorescence in-situ hybridization (FISH) imaging

systems market is segmented into instruments, consumables, accessories, and software. The consumables segment held the largest share of the Europe fluorescence in-situ hybridization (FISH) imaging systems market in 2022.

In terms of application, the Europe fluorescence in-situ hybridization (FISH) imaging systems market is segmented into cancer diagnosis, genetic disease diagnosis, infectious disease diagnostic, and others. The cancer diagnosis segment held the largest share of the Europe fluorescence in-situ hybridization (FISH) imaging systems market in 2022.

Based on end user, the Europe fluorescence in-situ hybridization (FISH) imaging systems market is segmented into diagnostic laboratories, contract research organizations, pharmaceutical and biotechnological companies, and others. The diagnostic laboratories segment held the largest share of the Europe fluorescence in-situ hybridization (FISH) imaging systems market in 2022.

By country, the Europe fluorescence in-situ hybridization (FISH) imaging systems market is segmented into Germany, France, the UK, Italy, Spain, and the Rest of Europe. Germany dominated the Europe fluorescence in-situ hybridization (FISH) imaging systems market in 2022.

Euroclone SpA, TissueGnostics GmbH, Agilent Technologies Inc, Abnova Taiwan Corp, BioGenex Laboratories Inc, Leica Biosystems Nussloch GmbH, MetaSystems Probes GmbH, Bio-View Ltd, Thermo Fisher Scientific Inc, and Applied Spectral Imaging are some of the leading companies operating in the Europe fluorescence in-situ hybridization (FISH) imaging systems market.

## Contents

### **1. INTRODUCTION**

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

### **2. EXECUTIVE SUMMARY**

- 2.1 Key Insights

### **3. RESEARCH METHODOLOGY**

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

### **4. EUROPE FLUORESCENCE IN-SITU HYBRIDIZATION (FISH) IMAGING SYSTEMS MARKET - KEY INDUSTRY DYNAMICS**

- 4.1 Key Market Drivers:
  - 4.1.1 Rising Prevalence of Target Disorders
  - 4.1.2 Increasing R&D Investments in In-Vitro Diagnostics
- 4.2 Key Market Restraints:
  - 4.2.1 High Cost of FISH Imaging Systems and Procedures
- 4.3 Key Market Opportunities:
  - 4.3.1 Technological Advancements in Fluorescence in Situ Hybridization Imaging
- 4.4 Future Trends:
  - 4.4.1 Automation and Digitalization of FISH Imaging Technique
- 4.5 Impact Analysis:

### **5. FLUORESCENCE IN-SITU HYBRIDIZATION (FISH) IMAGING SYSTEMS MARKET - EUROPE MARKET ANALYSIS**

- 5.1 Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue (US\$ Mn), 2022 – 2030

### **6. EUROPE FLUORESCENCE IN-SITU HYBRIDIZATION (FISH) IMAGING SYSTEMS MARKET – REVENUE AND FORECAST TO 2030 – BY PRODUCT**

## 6.1 Overview

### 6.2 Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue Share, by Product 2022 & 2030 (%)

## 6.3 Instruments

### 6.3.1 Overview

### 6.3.2 Instruments: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## 6.4 Consumables

### 6.4.1 Overview

### 6.4.2 Consumables: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## 6.5 Accessories

### 6.5.1 Overview

### 6.5.2 Accessories: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## 6.6 Software

### 6.6.1 Overview

### 6.6.2 Software: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## **7. EUROPE FLUORESCENCE IN-SITU HYBRIDIZATION (FISH) IMAGING SYSTEMS MARKET – REVENUE AND FORECAST TO 2030 – BY APPLICATION**

## 7.1 Overview

### 7.2 Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue Share, by Application 2022 & 2030 (%)

## 7.3 Cancer Diagnosis

### 7.3.1 Overview

### 7.3.2 Cancer Diagnosis: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## 7.4 Genetic Disease Diagnosis

### 7.4.1 Overview

### 7.4.2 Genetic Disease Diagnosis: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## 7.5 Infectious Disease Diagnosis

### 7.5.1 Overview

### 7.5.2 Infectious Disease Diagnosis: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## 7.6 Others

### 7.6.1 Overview

7.6.2 Others: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## **8. EUROPE FLUORESCENCE IN-SITU HYBRIDIZATION (FISH) IMAGING SYSTEMS MARKET – REVENUE AND FORECAST TO 2030 – BY END USER**

### 8.1 Overview

8.2 Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue Share, by End User 2022 & 2030 (%)

### 8.3 Diagnostic Laboratories

#### 8.3.1 Overview

8.3.2 Diagnostic Laboratories: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

### 8.4 Contract Research Organization

#### 8.4.1 Overview

8.4.2 Contract Research Organization: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

### 8.5 Pharmaceutical and Biotechnological Companies

#### 8.5.1 Overview

8.5.2 Pharmaceutical and Biotechnological Companies: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

### 8.6 Others

#### 8.6.1 Overview

8.6.2 Others: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market – Revenue and Forecast to 2030 (US\$ Million)

## **9. EUROPE FLUORESCENCE IN-SITU HYBRIDIZATION (FISH) IMAGING SYSTEMS MARKET - COUNTRY ANALYSIS**

9.1 Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, Revenue and Forecast to 2030

### 9.1.1 Overview

9.1.2 Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market by Country

#### 9.1.2.1 Germany

##### 9.1.2.1.1 Overview



9.1.2.1.2 Germany Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue and Forecast to 2030 (US\$ Mn)

9.1.2.1.3 Germany: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Product, 2020–2030 (US\$ Million)

9.1.2.1.3.1 Germany: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Instruments, 2020–2030 (US\$ Million)

9.1.2.1.3.2 Germany: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Consumables, 2020–2030 (US\$ Million)

9.1.2.1.4 Germany: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Application, 2020–2030 (US\$ Million)

9.1.2.1.5 Germany: Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by End User, 2020–2030 (US\$ Million)

9.1.2.2 UK

9.1.2.2.1 Overview

9.1.2.2.2 UK Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue and Forecast to 2030 (US\$ Mn)

9.1.2.2.3 UK Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Product, 2020–2030 (US\$ Million)

9.1.2.2.3.1 UK Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Instruments, 2020–2030 (US\$ Million)

9.1.2.2.3.2 UK Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Consumables, 2020–2030 (US\$ Million)

9.1.2.2.4 UK Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Application, 2020–2030 (US\$ Million)

9.1.2.2.5 UK Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by End User, 2020–2030 (US\$ Million)

9.1.2.3 France

9.1.2.3.1 Overview

9.1.2.3.2 France Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue and Forecast to 2030 (US\$ Mn)

9.1.2.3.3 France Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Product, 2020–2030 (US\$ Million)

9.1.2.3.3.1 France Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Instruments, 2020–2030 (US\$ Million)

9.1.2.3.3.2 France Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Consumables, 2020–2030 (US\$ Million)

9.1.2.3.4 France Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Application, 2020–2030 (US\$ Million)

9.1.2.3.5 France Fluorescence In-Situ Hybridization (FISH) Imaging Systems

## Market, by End User, 2020–2030 (US\$ Million)

### 9.1.2.4 Italy

#### 9.1.2.4.1 Overview

#### 9.1.2.4.2 Italy Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue and Forecast to 2030 (US\$ Mn)

#### 9.1.2.4.3 Italy Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Product, 2020–2030 (US\$ Million)

##### 9.1.2.4.3.1 Italy Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Instruments, 2020–2030 (US\$ Million)

##### 9.1.2.4.3.2 Italy Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Consumables, 2020–2030 (US\$ Million)

#### 9.1.2.4.4 Italy Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Application, 2020–2030 (US\$ Million)

#### 9.1.2.4.5 Italy Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by End User, 2020–2030 (US\$ Million)

### 9.1.2.5 Spain

#### 9.1.2.5.1 Overview

#### 9.1.2.5.2 Spain Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue and Forecast to 2030 (US\$ Mn)

#### 9.1.2.5.3 Spain Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Product, 2020–2030 (US\$ Million)

##### 9.1.2.5.3.1 Spain Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Instruments, 2020–2030 (US\$ Million)

##### 9.1.2.5.3.2 Spain Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Consumables, 2020–2030 (US\$ Million)

#### 9.1.2.5.4 Spain Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Application, 2020–2030 (US\$ Million)

#### 9.1.2.5.5 Spain Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by End User, 2020–2030 (US\$ Million)

### 9.1.2.6 Rest of Europe

#### 9.1.2.6.1 Overview

#### 9.1.2.6.2 Rest of Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market Revenue and Forecast to 2030 (US\$ Mn)

#### 9.1.2.6.3 Rest of Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Product, 2020–2030 (US\$ Million)

##### 9.1.2.6.3.1 Rest of Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Instruments, 2020–2030 (US\$ Million)

##### 9.1.2.6.3.2 Rest of Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Consumables, 2020–2030 (US\$ Million)



9.1.2.6.4 Rest of Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by Application, 2020–2030 (US\$ Million)

9.1.2.6.5 Rest of Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market, by End User, 2020–2030 (US\$ Million)

## **10. EUROPE FLUORESCENCE IN-SITU HYBRIDIZATION (FISH) IMAGING SYSTEMS MARKET INDUSTRY LANDSCAPE**

10.1 Overview

10.2 Growth Strategies in the Europe Fluorescence In-Situ Hybridization (FISH) Imaging Systems Market

10.3 Inorganic Growth Strategies

10.3.1 Overview

10.4 Organic Growth Strategies

10.4.1 Overview

## **11. COMPANY PROFILES**

11.1 Euroclone SpA

11.1.1 Key Facts

11.1.2 Business Description

11.1.3 Products and Services

11.1.4 Financial Overview

11.1.5 SWOT Analysis

11.1.6 Key Developments

11.2 TissueGnostics GmbH

11.2.1 Key Facts

11.2.2 Business Description

11.2.3 Products and Services

11.2.4 Financial Overview

11.2.5 SWOT Analysis

11.2.6 Key Developments

11.3 Agilent Technologies Inc

11.3.1 Key Facts

11.3.2 Business Description

11.3.3 Products and Services

11.3.4 Financial Overview

11.3.5 SWOT Analysis

11.3.6 Key Developments

## 11.4 Leica Biosystems Nussloch GmbH

11.4.1 Key Facts

11.4.2 Business Description

11.4.3 Products and Services

11.4.4 Financial Overview

11.4.5 SWOT Analysis

11.4.6 Key Developments

## 11.5 MetaSystems Probes GmbH

11.5.1 Key Facts

11.5.2 Business Description

11.5.3 Products and Services

11.5.4 Financial Overview

11.5.5 SWOT Analysis

11.5.6 Key Developments

## 11.6 Thermo Fisher Scientific Inc

11.6.1 Key Facts

11.6.2 Business Description

11.6.3 Products and Services

11.6.4 Financial Overview

11.6.5 SWOT Analysis

11.6.6 Key Developments

## 11.7 PerkinElmer Inc

11.7.1 Key Facts

11.7.2 Business Description

11.7.3 Products and Services

11.7.4 Financial Overview

11.7.5 SWOT Analysis

11.7.6 Key Developments

## 12. APPENDIX

12.1 About Us

12.2 Glossary of Terms

## I would like to order

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