

# Global Live Cell Imaging Software Market 2026 by Company, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Live Cell Imaging Software market size was valued at US\$ 1487 million in 2025 and is forecast to a readjusted size of US\$ 2797 million by 2032 with a CAGR of 9.4% during review period.

Live Cell Imaging Software is a professional scientific imaging tool designed specifically for capturing, processing, analyzing and visualizing dynamic biological processes in living cells. It integrates real-time image acquisition control, noise reduction, image enhancement and quantitative analysis functions, compatible with various live cell imaging equipment such as microscopes and confocal systems. This software enables researchers to monitor and record the morphological changes, molecular interactions and physiological activities of living cells in their natural state without damaging cell viability, providing accurate and reliable data support for life science research, medical research and related experimental studies.

With the in-depth development of life science, medical research and biotechnology fields, there is an increasing demand for high-precision, real-time and non-invasive live cell imaging tools. Researchers and institutions such as universities, research laboratories, biopharmaceutical companies and medical institutions need this software to support studies on cell proliferation, differentiation, apoptosis and disease mechanisms. The continuous advancement of imaging technology and the growing focus on personalized medicine and drug development further drive the demand for intelligent, user-friendly and high-performance live cell imaging software. The market gap for software that combines strong compatibility, efficient data processing and accurate quantitative analysis creates broad business opportunities for providers, especially as the demand for integrated imaging and analysis solutions continues to rise

across academic and industrial sectors.

This report is a detailed and comprehensive analysis for global Live Cell Imaging Software market. Both quantitative and qualitative analyses are presented by company, by region & country, by Functional Module and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Live Cell Imaging Software market size and forecasts, in consumption value (\$ Million), 2021-2032

Global Live Cell Imaging Software market size and forecasts by region and country, in consumption value (\$ Million), 2021-2032

Global Live Cell Imaging Software market size and forecasts, by Functional Module and by Application, in consumption value (\$ Million), 2021-2032

Global Live Cell Imaging Software market shares of main players, in revenue (\$ Million), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Live Cell Imaging Software

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Live Cell Imaging Software market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sartorius, Molecular Devices, Revvity / PerkinElmer, ZEISS,

Leica Microsystems, Nikon, Evident, Agilent, Andor Technology, Phase Holographic Imaging PHI, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market segmentation

Live Cell Imaging Software market is split by Functional Module and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for Consumption Value by Functional Module and by Application. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Functional Module

Image Acquisition Software

Time-Lapse & Real-Time Monitoring Software

Image Processing & Enhancement Software

Quantitative Cell Analysis Software

Integrated Live Cell Imaging Platform Software

### Market segment by System Compatibility

Microscope-Specific Software

Confocal / High-Content Imaging System-Compatible Software

Multi-Instrument Universal Software

Cloud / Remote Access Compatible Software

### Market segment by Analysis Capability

Basic Visualization Software

Cell Tracking & Morphology Analysis Software

Fluorescence / Label-Free Quantification Software

AI-Assisted Image Analysis Software

#### Market segment by Application

Academic Research Laboratories

Biopharmaceutical Companies

Medical Research Institutions

University Life Science Departments

Biotechnology Firms

Clinical Research Centers

CROs & CDMOs

Others

#### Market segment by players, this report covers

Sartorius

Molecular Devices

Revvity / PerkinElmer

ZEISS

Leica Microsystems

Nikon

Evident

Agilent

Andor Technology

Phase Holographic Imaging PHI

Nanolive

Axion BioSystems

Fluxion Biosciences / Cell Microsystems

World Precision Instruments

Guangzhou G-Cell Technology

SCREEN Holdings

Yokogawa Electric

Market segment by regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia, Italy and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia and Rest of Asia-Pacific)

South America (Brazil, Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Live Cell Imaging Software product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Live Cell Imaging Software, with revenue, gross margin, and global market share of Live Cell Imaging Software from 2021 to 2026.

Chapter 3, the Live Cell Imaging Software competitive situation, revenue, and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Functional Module and by Application, with consumption value and growth rate by Functional Module, by Application, from 2021 to 2032.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2021 to 2026. and Live Cell Imaging Software market forecast, by regions, by Functional Module and by Application, with consumption value, from 2027 to 2032.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Live Cell Imaging Software.

Chapter 13, to describe Live Cell Imaging Software research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Classification of Live Cell Imaging Software by Functional Module

1.3.1 Overview: Global Live Cell Imaging Software Market Size by Functional Module: 2021 Versus 2025 Versus 2032

1.3.2 Global Live Cell Imaging Software Consumption Value Market Share by Functional Module in 2025

1.3.3 Image Acquisition Software

1.3.4 Time-Lapse & Real-Time Monitoring Software

1.3.5 Image Processing & Enhancement Software

1.3.6 Quantitative Cell Analysis Software

1.3.7 Integrated Live Cell Imaging Platform Software

1.4 Classification of Live Cell Imaging Software by System Compatibility

1.4.1 Overview: Global Live Cell Imaging Software Market Size by System Compatibility: 2021 Versus 2025 Versus 2032

1.4.2 Global Live Cell Imaging Software Consumption Value Market Share by System Compatibility in 2025

1.4.3 Microscope-Specific Software

1.4.4 Confocal / High-Content Imaging System-Compatible Software

1.4.5 Multi-Instrument Universal Software

1.4.6 Cloud / Remote Access Compatible Software

1.5 Classification of Live Cell Imaging Software by Analysis Capability

1.5.1 Overview: Global Live Cell Imaging Software Market Size by Analysis Capability: 2021 Versus 2025 Versus 2032

1.5.2 Global Live Cell Imaging Software Consumption Value Market Share by Analysis Capability in 2025

1.5.3 Basic Visualization Software

1.5.4 Cell Tracking & Morphology Analysis Software

1.5.5 Fluorescence / Label-Free Quantification Software

1.5.6 AI-Assisted Image Analysis Software

1.6 Global Live Cell Imaging Software Market by Application

1.6.1 Overview: Global Live Cell Imaging Software Market Size by Application: 2021 Versus 2025 Versus 2032

1.6.2 Academic Research Laboratories

1.6.3 Biopharmaceutical Companies

- 1.6.4 Medical Research Institutions
- 1.6.5 University Life Science Departments
- 1.6.6 Biotechnology Firms
- 1.6.7 Clinical Research Centers
- 1.6.8 CROs & CDMOs
- 1.6.9 Others
- 1.7 Global Live Cell Imaging Software Market Size & Forecast
- 1.8 Global Live Cell Imaging Software Market Size and Forecast by Region
  - 1.8.1 Global Live Cell Imaging Software Market Size by Region: 2021 VS 2025 VS 2032
  - 1.8.2 Global Live Cell Imaging Software Market Size by Region, (2021-2032)
  - 1.8.3 North America Live Cell Imaging Software Market Size and Prospect (2021-2032)
  - 1.8.4 Europe Live Cell Imaging Software Market Size and Prospect (2021-2032)
  - 1.8.5 Asia-Pacific Live Cell Imaging Software Market Size and Prospect (2021-2032)
  - 1.8.6 South America Live Cell Imaging Software Market Size and Prospect (2021-2032)
  - 1.8.7 Middle East & Africa Live Cell Imaging Software Market Size and Prospect (2021-2032)

## **2 COMPANY PROFILES**

- 2.1 Sartorius
  - 2.1.1 Sartorius Details
  - 2.1.2 Sartorius Major Business
  - 2.1.3 Sartorius Live Cell Imaging Software Product and Solutions
  - 2.1.4 Sartorius Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.1.5 Sartorius Recent Developments and Future Plans
- 2.2 Molecular Devices
  - 2.2.1 Molecular Devices Details
  - 2.2.2 Molecular Devices Major Business
  - 2.2.3 Molecular Devices Live Cell Imaging Software Product and Solutions
  - 2.2.4 Molecular Devices Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.2.5 Molecular Devices Recent Developments and Future Plans
- 2.3 Revvity / PerkinElmer
  - 2.3.1 Revvity / PerkinElmer Details
  - 2.3.2 Revvity / PerkinElmer Major Business

- 2.3.3 Revvity / PerkinElmer Live Cell Imaging Software Product and Solutions
- 2.3.4 Revvity / PerkinElmer Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
- 2.3.5 Revvity / PerkinElmer Recent Developments and Future Plans
- 2.4 ZEISS
  - 2.4.1 ZEISS Details
  - 2.4.2 ZEISS Major Business
  - 2.4.3 ZEISS Live Cell Imaging Software Product and Solutions
  - 2.4.4 ZEISS Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 ZEISS Recent Developments and Future Plans
- 2.5 Leica Microsystems
  - 2.5.1 Leica Microsystems Details
  - 2.5.2 Leica Microsystems Major Business
  - 2.5.3 Leica Microsystems Live Cell Imaging Software Product and Solutions
  - 2.5.4 Leica Microsystems Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 Leica Microsystems Recent Developments and Future Plans
- 2.6 Nikon
  - 2.6.1 Nikon Details
  - 2.6.2 Nikon Major Business
  - 2.6.3 Nikon Live Cell Imaging Software Product and Solutions
  - 2.6.4 Nikon Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.6.5 Nikon Recent Developments and Future Plans
- 2.7 Evident
  - 2.7.1 Evident Details
  - 2.7.2 Evident Major Business
  - 2.7.3 Evident Live Cell Imaging Software Product and Solutions
  - 2.7.4 Evident Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.7.5 Evident Recent Developments and Future Plans
- 2.8 Agilent
  - 2.8.1 Agilent Details
  - 2.8.2 Agilent Major Business
  - 2.8.3 Agilent Live Cell Imaging Software Product and Solutions
  - 2.8.4 Agilent Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.8.5 Agilent Recent Developments and Future Plans

## 2.9 Andor Technology

### 2.9.1 Andor Technology Details

### 2.9.2 Andor Technology Major Business

### 2.9.3 Andor Technology Live Cell Imaging Software Product and Solutions

### 2.9.4 Andor Technology Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)

### 2.9.5 Andor Technology Recent Developments and Future Plans

## 2.10 Phase Holographic Imaging PHI

### 2.10.1 Phase Holographic Imaging PHI Details

### 2.10.2 Phase Holographic Imaging PHI Major Business

### 2.10.3 Phase Holographic Imaging PHI Live Cell Imaging Software Product and Solutions

### 2.10.4 Phase Holographic Imaging PHI Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)

### 2.10.5 Phase Holographic Imaging PHI Recent Developments and Future Plans

## 2.11 Nanolive

### 2.11.1 Nanolive Details

### 2.11.2 Nanolive Major Business

### 2.11.3 Nanolive Live Cell Imaging Software Product and Solutions

### 2.11.4 Nanolive Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)

### 2.11.5 Nanolive Recent Developments and Future Plans

## 2.12 Axion BioSystems

### 2.12.1 Axion BioSystems Details

### 2.12.2 Axion BioSystems Major Business

### 2.12.3 Axion BioSystems Live Cell Imaging Software Product and Solutions

### 2.12.4 Axion BioSystems Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)

### 2.12.5 Axion BioSystems Recent Developments and Future Plans

## 2.13 Fluxion Biosciences / Cell Microsystems

### 2.13.1 Fluxion Biosciences / Cell Microsystems Details

### 2.13.2 Fluxion Biosciences / Cell Microsystems Major Business

### 2.13.3 Fluxion Biosciences / Cell Microsystems Live Cell Imaging Software Product and Solutions

### 2.13.4 Fluxion Biosciences / Cell Microsystems Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)

### 2.13.5 Fluxion Biosciences / Cell Microsystems Recent Developments and Future Plans

## 2.14 World Precision Instruments

- 2.14.1 World Precision Instruments Details
- 2.14.2 World Precision Instruments Major Business
- 2.14.3 World Precision Instruments Live Cell Imaging Software Product and Solutions
- 2.14.4 World Precision Instruments Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
- 2.14.5 World Precision Instruments Recent Developments and Future Plans
- 2.15 Guangzhou G-Cell Technology
  - 2.15.1 Guangzhou G-Cell Technology Details
  - 2.15.2 Guangzhou G-Cell Technology Major Business
  - 2.15.3 Guangzhou G-Cell Technology Live Cell Imaging Software Product and Solutions
  - 2.15.4 Guangzhou G-Cell Technology Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.15.5 Guangzhou G-Cell Technology Recent Developments and Future Plans
- 2.16 SCREEN Holdings
  - 2.16.1 SCREEN Holdings Details
  - 2.16.2 SCREEN Holdings Major Business
  - 2.16.3 SCREEN Holdings Live Cell Imaging Software Product and Solutions
  - 2.16.4 SCREEN Holdings Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.16.5 SCREEN Holdings Recent Developments and Future Plans
- 2.17 Yokogawa Electric
  - 2.17.1 Yokogawa Electric Details
  - 2.17.2 Yokogawa Electric Major Business
  - 2.17.3 Yokogawa Electric Live Cell Imaging Software Product and Solutions
  - 2.17.4 Yokogawa Electric Live Cell Imaging Software Revenue, Gross Margin and Market Share (2021-2026)
  - 2.17.5 Yokogawa Electric Recent Developments and Future Plans

### **3 MARKET COMPETITION, BY PLAYERS**

- 3.1 Global Live Cell Imaging Software Revenue and Share by Players (2021-2026)
- 3.2 Market Share Analysis (2025)
  - 3.2.1 Market Share of Live Cell Imaging Software by Company Revenue
  - 3.2.2 Top 3 Live Cell Imaging Software Players Market Share in 2025
  - 3.2.3 Top 6 Live Cell Imaging Software Players Market Share in 2025
- 3.3 Live Cell Imaging Software Market: Overall Company Footprint Analysis
  - 3.3.1 Live Cell Imaging Software Market: Region Footprint
  - 3.3.2 Live Cell Imaging Software Market: Company Product Type Footprint

- 3.3.3 Live Cell Imaging Software Market: Company Product Application Footprint
- 3.4 New Market Entrants and Barriers to Market Entry
- 3.5 Mergers, Acquisition, Agreements, and Collaborations

## **4 MARKET SIZE SEGMENT BY FUNCTIONAL MODULE**

- 4.1 Global Live Cell Imaging Software Consumption Value and Market Share by Functional Module (2021-2026)
- 4.2 Global Live Cell Imaging Software Market Forecast by Functional Module (2027-2032)

## **5 MARKET SIZE SEGMENT BY APPLICATION**

- 5.1 Global Live Cell Imaging Software Consumption Value Market Share by Application (2021-2026)
- 5.2 Global Live Cell Imaging Software Market Forecast by Application (2027-2032)

## **6 NORTH AMERICA**

- 6.1 North America Live Cell Imaging Software Consumption Value by Functional Module (2021-2032)
- 6.2 North America Live Cell Imaging Software Market Size by Application (2021-2032)
- 6.3 North America Live Cell Imaging Software Market Size by Country
  - 6.3.1 North America Live Cell Imaging Software Consumption Value by Country (2021-2032)
  - 6.3.2 United States Live Cell Imaging Software Market Size and Forecast (2021-2032)
  - 6.3.3 Canada Live Cell Imaging Software Market Size and Forecast (2021-2032)
  - 6.3.4 Mexico Live Cell Imaging Software Market Size and Forecast (2021-2032)

## **7 EUROPE**

- 7.1 Europe Live Cell Imaging Software Consumption Value by Functional Module (2021-2032)
- 7.2 Europe Live Cell Imaging Software Consumption Value by Application (2021-2032)
- 7.3 Europe Live Cell Imaging Software Market Size by Country
  - 7.3.1 Europe Live Cell Imaging Software Consumption Value by Country (2021-2032)
  - 7.3.2 Germany Live Cell Imaging Software Market Size and Forecast (2021-2032)
  - 7.3.3 France Live Cell Imaging Software Market Size and Forecast (2021-2032)
  - 7.3.4 United Kingdom Live Cell Imaging Software Market Size and Forecast

(2021-2032)

7.3.5 Russia Live Cell Imaging Software Market Size and Forecast (2021-2032)

7.3.6 Italy Live Cell Imaging Software Market Size and Forecast (2021-2032)

## **8 ASIA-PACIFIC**

8.1 Asia-Pacific Live Cell Imaging Software Consumption Value by Functional Module (2021-2032)

8.2 Asia-Pacific Live Cell Imaging Software Consumption Value by Application (2021-2032)

8.3 Asia-Pacific Live Cell Imaging Software Market Size by Region

8.3.1 Asia-Pacific Live Cell Imaging Software Consumption Value by Region (2021-2032)

8.3.2 China Live Cell Imaging Software Market Size and Forecast (2021-2032)

8.3.3 Japan Live Cell Imaging Software Market Size and Forecast (2021-2032)

8.3.4 South Korea Live Cell Imaging Software Market Size and Forecast (2021-2032)

8.3.5 India Live Cell Imaging Software Market Size and Forecast (2021-2032)

8.3.6 Southeast Asia Live Cell Imaging Software Market Size and Forecast (2021-2032)

8.3.7 Australia Live Cell Imaging Software Market Size and Forecast (2021-2032)

## **9 SOUTH AMERICA**

9.1 South America Live Cell Imaging Software Consumption Value by Functional Module (2021-2032)

9.2 South America Live Cell Imaging Software Consumption Value by Application (2021-2032)

9.3 South America Live Cell Imaging Software Market Size by Country

9.3.1 South America Live Cell Imaging Software Consumption Value by Country (2021-2032)

9.3.2 Brazil Live Cell Imaging Software Market Size and Forecast (2021-2032)

9.3.3 Argentina Live Cell Imaging Software Market Size and Forecast (2021-2032)

## **10 MIDDLE EAST & AFRICA**

10.1 Middle East & Africa Live Cell Imaging Software Consumption Value by Functional Module (2021-2032)

10.2 Middle East & Africa Live Cell Imaging Software Consumption Value by Application (2021-2032)

### 10.3 Middle East & Africa Live Cell Imaging Software Market Size by Country

10.3.1 Middle East & Africa Live Cell Imaging Software Consumption Value by Country (2021-2032)

10.3.2 Turkey Live Cell Imaging Software Market Size and Forecast (2021-2032)

10.3.3 Saudi Arabia Live Cell Imaging Software Market Size and Forecast (2021-2032)

10.3.4 UAE Live Cell Imaging Software Market Size and Forecast (2021-2032)

## 11 MARKET DYNAMICS

11.1 Live Cell Imaging Software Market Drivers

11.2 Live Cell Imaging Software Market Restraints

11.3 Live Cell Imaging Software Trends Analysis

11.4 Porters Five Forces Analysis

11.4.1 Threat of New Entrants

11.4.2 Bargaining Power of Suppliers

11.4.3 Bargaining Power of Buyers

11.4.4 Threat of Substitutes

11.4.5 Competitive Rivalry

## 12 INDUSTRY CHAIN ANALYSIS

12.1 Live Cell Imaging Software Industry Chain

12.2 Live Cell Imaging Software Upstream Analysis

12.3 Live Cell Imaging Software Midstream Analysis

12.4 Live Cell Imaging Software Downstream Analysis

## 13 RESEARCH FINDINGS AND CONCLUSION

## 14 APPENDIX

14.1 Methodology

14.2 Research Process and Data Source

14.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Live Cell Imaging Software Consumption Value by Functional Module, (USD Million), 2021 & 2025 & 2032

Table 2. Global Live Cell Imaging Software Consumption Value by System Compatibility, (USD Million), 2021 & 2025 & 2032

Table 3. Global Live Cell Imaging Software Consumption Value by Analysis Capability, (USD Million), 2021 & 2025 & 2032

Table 4. Global Live Cell Imaging Software Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Global Live Cell Imaging Software Consumption Value by Region (2021-2026) & (USD Million)

Table 6. Global Live Cell Imaging Software Consumption Value by Region (2027-2032) & (USD Million)

Table 7. Sartorius Company Information, Head Office, and Major Competitors

Table 8. Sartorius Major Business

Table 9. Sartorius Live Cell Imaging Software Product and Solutions

Table 10. Sartorius Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 11. Sartorius Recent Developments and Future Plans

Table 12. Molecular Devices Company Information, Head Office, and Major Competitors

Table 13. Molecular Devices Major Business

Table 14. Molecular Devices Live Cell Imaging Software Product and Solutions

Table 15. Molecular Devices Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 16. Molecular Devices Recent Developments and Future Plans

Table 17. Revvity / PerkinElmer Company Information, Head Office, and Major Competitors

Table 18. Revvity / PerkinElmer Major Business

Table 19. Revvity / PerkinElmer Live Cell Imaging Software Product and Solutions

Table 20. Revvity / PerkinElmer Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 21. ZEISS Company Information, Head Office, and Major Competitors

Table 22. ZEISS Major Business

Table 23. ZEISS Live Cell Imaging Software Product and Solutions

Table 24. ZEISS Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. ZEISS Recent Developments and Future Plans

Table 26. Leica Microsystems Company Information, Head Office, and Major Competitors

Table 27. Leica Microsystems Major Business

Table 28. Leica Microsystems Live Cell Imaging Software Product and Solutions

Table 29. Leica Microsystems Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. Leica Microsystems Recent Developments and Future Plans

Table 31. Nikon Company Information, Head Office, and Major Competitors

Table 32. Nikon Major Business

Table 33. Nikon Live Cell Imaging Software Product and Solutions

Table 34. Nikon Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. Nikon Recent Developments and Future Plans

Table 36. Evident Company Information, Head Office, and Major Competitors

Table 37. Evident Major Business

Table 38. Evident Live Cell Imaging Software Product and Solutions

Table 39. Evident Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. Evident Recent Developments and Future Plans

Table 41. Agilent Company Information, Head Office, and Major Competitors

Table 42. Agilent Major Business

Table 43. Agilent Live Cell Imaging Software Product and Solutions

Table 44. Agilent Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. Agilent Recent Developments and Future Plans

Table 46. Andor Technology Company Information, Head Office, and Major Competitors

Table 47. Andor Technology Major Business

Table 48. Andor Technology Live Cell Imaging Software Product and Solutions

Table 49. Andor Technology Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. Andor Technology Recent Developments and Future Plans

Table 51. Phase Holographic Imaging PHI Company Information, Head Office, and Major Competitors

Table 52. Phase Holographic Imaging PHI Major Business

Table 53. Phase Holographic Imaging PHI Live Cell Imaging Software Product and Solutions

Table 54. Phase Holographic Imaging PHI Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 55. Phase Holographic Imaging PHI Recent Developments and Future Plans

Table 56. Nanolive Company Information, Head Office, and Major Competitors

Table 57. Nanolive Major Business

Table 58. Nanolive Live Cell Imaging Software Product and Solutions

Table 59. Nanolive Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 60. Nanolive Recent Developments and Future Plans

Table 61. Axion BioSystems Company Information, Head Office, and Major Competitors

Table 62. Axion BioSystems Major Business

Table 63. Axion BioSystems Live Cell Imaging Software Product and Solutions

Table 64. Axion BioSystems Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. Axion BioSystems Recent Developments and Future Plans

Table 66. Fluxion Biosciences / Cell Microsystems Company Information, Head Office, and Major Competitors

Table 67. Fluxion Biosciences / Cell Microsystems Major Business

Table 68. Fluxion Biosciences / Cell Microsystems Live Cell Imaging Software Product and Solutions

Table 69. Fluxion Biosciences / Cell Microsystems Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 70. Fluxion Biosciences / Cell Microsystems Recent Developments and Future Plans

Table 71. World Precision Instruments Company Information, Head Office, and Major Competitors

Table 72. World Precision Instruments Major Business

Table 73. World Precision Instruments Live Cell Imaging Software Product and Solutions

Table 74. World Precision Instruments Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 75. World Precision Instruments Recent Developments and Future Plans

Table 76. Guangzhou G-Cell Technology Company Information, Head Office, and Major Competitors

Table 77. Guangzhou G-Cell Technology Major Business

Table 78. Guangzhou G-Cell Technology Live Cell Imaging Software Product and Solutions

Table 79. Guangzhou G-Cell Technology Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 80. Guangzhou G-Cell Technology Recent Developments and Future Plans

Table 81. SCREEN Holdings Company Information, Head Office, and Major

## Competitors

Table 82. SCREEN Holdings Major Business

Table 83. SCREEN Holdings Live Cell Imaging Software Product and Solutions

Table 84. SCREEN Holdings Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. SCREEN Holdings Recent Developments and Future Plans

Table 86. Yokogawa Electric Company Information, Head Office, and Major Competitors

Table 87. Yokogawa Electric Major Business

Table 88. Yokogawa Electric Live Cell Imaging Software Product and Solutions

Table 89. Yokogawa Electric Live Cell Imaging Software Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Yokogawa Electric Recent Developments and Future Plans

Table 91. Global Live Cell Imaging Software Revenue (USD Million) by Players (2021-2026)

Table 92. Global Live Cell Imaging Software Revenue Share by Players (2021-2026)

Table 93. Breakdown of Live Cell Imaging Software by Company Type (Tier 1, Tier 2, and Tier 3)

Table 94. Market Position of Players in Live Cell Imaging Software, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 95. Head Office of Key Live Cell Imaging Software Players

Table 96. Live Cell Imaging Software Market: Company Product Type Footprint

Table 97. Live Cell Imaging Software Market: Company Product Application Footprint

Table 98. Live Cell Imaging Software New Market Entrants and Barriers to Market Entry

Table 99. Live Cell Imaging Software Mergers, Acquisition, Agreements, and Collaborations

Table 100. Global Live Cell Imaging Software Consumption Value (USD Million) by Functional Module (2021-2026)

Table 101. Global Live Cell Imaging Software Consumption Value Share by Functional Module (2021-2026)

Table 102. Global Live Cell Imaging Software Consumption Value Forecast by Functional Module (2027-2032)

Table 103. Global Live Cell Imaging Software Consumption Value by Application (2021-2026)

Table 104. Global Live Cell Imaging Software Consumption Value Forecast by Application (2027-2032)

Table 105. North America Live Cell Imaging Software Consumption Value by Functional Module (2021-2026) & (USD Million)

Table 106. North America Live Cell Imaging Software Consumption Value by Functional

Module (2027-2032) & (USD Million)

Table 107. North America Live Cell Imaging Software Consumption Value by Application (2021-2026) & (USD Million)

Table 108. North America Live Cell Imaging Software Consumption Value by Application (2027-2032) & (USD Million)

Table 109. North America Live Cell Imaging Software Consumption Value by Country (2021-2026) & (USD Million)

Table 110. North America Live Cell Imaging Software Consumption Value by Country (2027-2032) & (USD Million)

Table 111. Europe Live Cell Imaging Software Consumption Value by Functional Module (2021-2026) & (USD Million)

Table 112. Europe Live Cell Imaging Software Consumption Value by Functional Module (2027-2032) & (USD Million)

Table 113. Europe Live Cell Imaging Software Consumption Value by Application (2021-2026) & (USD Million)

Table 114. Europe Live Cell Imaging Software Consumption Value by Application (2027-2032) & (USD Million)

Table 115. Europe Live Cell Imaging Software Consumption Value by Country (2021-2026) & (USD Million)

Table 116. Europe Live Cell Imaging Software Consumption Value by Country (2027-2032) & (USD Million)

Table 117. Asia-Pacific Live Cell Imaging Software Consumption Value by Functional Module (2021-2026) & (USD Million)

Table 118. Asia-Pacific Live Cell Imaging Software Consumption Value by Functional Module (2027-2032) & (USD Million)

Table 119. Asia-Pacific Live Cell Imaging Software Consumption Value by Application (2021-2026) & (USD Million)

Table 120. Asia-Pacific Live Cell Imaging Software Consumption Value by Application (2027-2032) & (USD Million)

Table 121. Asia-Pacific Live Cell Imaging Software Consumption Value by Region (2021-2026) & (USD Million)

Table 122. Asia-Pacific Live Cell Imaging Software Consumption Value by Region (2027-2032) & (USD Million)

Table 123. South America Live Cell Imaging Software Consumption Value by Functional Module (2021-2026) & (USD Million)

Table 124. South America Live Cell Imaging Software Consumption Value by Functional Module (2027-2032) & (USD Million)

Table 125. South America Live Cell Imaging Software Consumption Value by Application (2021-2026) & (USD Million)

Table 126. South America Live Cell Imaging Software Consumption Value by Application (2027-2032) & (USD Million)

Table 127. South America Live Cell Imaging Software Consumption Value by Country (2021-2026) & (USD Million)

Table 128. South America Live Cell Imaging Software Consumption Value by Country (2027-2032) & (USD Million)

Table 129. Middle East & Africa Live Cell Imaging Software Consumption Value by Functional Module (2021-2026) & (USD Million)

Table 130. Middle East & Africa Live Cell Imaging Software Consumption Value by Functional Module (2027-2032) & (USD Million)

Table 131. Middle East & Africa Live Cell Imaging Software Consumption Value by Application (2021-2026) & (USD Million)

Table 132. Middle East & Africa Live Cell Imaging Software Consumption Value by Application (2027-2032) & (USD Million)

Table 133. Middle East & Africa Live Cell Imaging Software Consumption Value by Country (2021-2026) & (USD Million)

Table 134. Middle East & Africa Live Cell Imaging Software Consumption Value by Country (2027-2032) & (USD Million)

Table 135. Global Key Players of Live Cell Imaging Software Upstream (Raw Materials)

Table 136. Global Live Cell Imaging Software Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Live Cell Imaging Software Picture
- Figure 2. Global Live Cell Imaging Software Consumption Value by Functional Module, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Live Cell Imaging Software Consumption Value Market Share by Functional Module in 2025
- Figure 4. Image Acquisition Software
- Figure 5. Time-Lapse & Real-Time Monitoring Software
- Figure 6. Image Processing & Enhancement Software
- Figure 7. Quantitative Cell Analysis Software
- Figure 8. Integrated Live Cell Imaging Platform Software
- Figure 9. Global Live Cell Imaging Software Consumption Value by System Compatibility, (USD Million), 2021 & 2025 & 2032
- Figure 10. Global Live Cell Imaging Software Consumption Value Market Share by System Compatibility in 2025
- Figure 11. Microscope-Specific Software
- Figure 12. Confocal / High-Content Imaging System-Compatible Software
- Figure 13. Multi-Instrument Universal Software
- Figure 14. Cloud / Remote Access Compatible Software
- Figure 15. Global Live Cell Imaging Software Consumption Value by Analysis Capability, (USD Million), 2021 & 2025 & 2032
- Figure 16. Global Live Cell Imaging Software Consumption Value Market Share by Analysis Capability in 2025
- Figure 17. Basic Visualization Software
- Figure 18. Cell Tracking & Morphology Analysis Software
- Figure 19. Fluorescence / Label-Free Quantification Software
- Figure 20. AI-Assisted Image Analysis Software
- Figure 21. Global Live Cell Imaging Software Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 22. Live Cell Imaging Software Consumption Value Market Share by Application in 2025
- Figure 23. Academic Research Laboratories Picture
- Figure 24. Biopharmaceutical Companies Picture
- Figure 25. Medical Research Institutions Picture
- Figure 26. University Life Science Departments Picture
- Figure 27. Biotechnology Firms Picture

Figure 28. Clinical Research Centers Picture

Figure 29. CROs & CDMOs Picture

Figure 30. Others Picture

Figure 31. Global Live Cell Imaging Software Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 32. Global Live Cell Imaging Software Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 33. Global Market Live Cell Imaging Software Consumption Value (USD Million) Comparison by Region (2021 VS 2025 VS 2032)

Figure 34. Global Live Cell Imaging Software Consumption Value Market Share by Region (2021-2032)

Figure 35. Global Live Cell Imaging Software Consumption Value Market Share by Region in 2025

Figure 36. North America Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 37. Europe Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 38. Asia-Pacific Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 39. South America Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 40. Middle East & Africa Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 41. Company Three Recent Developments and Future Plans

Figure 42. Global Live Cell Imaging Software Revenue Share by Players in 2025

Figure 43. Live Cell Imaging Software Market Share by Company Type (Tier 1, Tier 2, and Tier 3) in 2025

Figure 44. Market Share of Live Cell Imaging Software by Player Revenue in 2025

Figure 45. Top 3 Live Cell Imaging Software Players Market Share in 2025

Figure 46. Top 6 Live Cell Imaging Software Players Market Share in 2025

Figure 47. Global Live Cell Imaging Software Consumption Value Share by Functional Module (2021-2026)

Figure 48. Global Live Cell Imaging Software Market Share Forecast by Functional Module (2027-2032)

Figure 49. Global Live Cell Imaging Software Consumption Value Share by Application (2021-2026)

Figure 50. Global Live Cell Imaging Software Market Share Forecast by Application (2027-2032)

Figure 51. North America Live Cell Imaging Software Consumption Value Market Share

by Functional Module (2021-2032)

Figure 52. North America Live Cell Imaging Software Consumption Value Market Share by Application (2021-2032)

Figure 53. North America Live Cell Imaging Software Consumption Value Market Share by Country (2021-2032)

Figure 54. United States Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 55. Canada Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 56. Mexico Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 57. Europe Live Cell Imaging Software Consumption Value Market Share by Functional Module (2021-2032)

Figure 58. Europe Live Cell Imaging Software Consumption Value Market Share by Application (2021-2032)

Figure 59. Europe Live Cell Imaging Software Consumption Value Market Share by Country (2021-2032)

Figure 60. Germany Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 61. France Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 62. United Kingdom Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 63. Russia Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 64. Italy Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 65. Asia-Pacific Live Cell Imaging Software Consumption Value Market Share by Functional Module (2021-2032)

Figure 66. Asia-Pacific Live Cell Imaging Software Consumption Value Market Share by Application (2021-2032)

Figure 67. Asia-Pacific Live Cell Imaging Software Consumption Value Market Share by Region (2021-2032)

Figure 68. China Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 69. Japan Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 70. South Korea Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 71. India Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 72. Southeast Asia Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 73. Australia Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 74. South America Live Cell Imaging Software Consumption Value Market Share by Functional Module (2021-2032)

Figure 75. South America Live Cell Imaging Software Consumption Value Market Share by Application (2021-2032)

Figure 76. South America Live Cell Imaging Software Consumption Value Market Share by Country (2021-2032)

Figure 77. Brazil Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 78. Argentina Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 79. Middle East & Africa Live Cell Imaging Software Consumption Value Market Share by Functional Module (2021-2032)

Figure 80. Middle East & Africa Live Cell Imaging Software Consumption Value Market Share by Application (2021-2032)

Figure 81. Middle East & Africa Live Cell Imaging Software Consumption Value Market Share by Country (2021-2032)

Figure 82. Turkey Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 83. Saudi Arabia Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 84. UAE Live Cell Imaging Software Consumption Value (2021-2032) & (USD Million)

Figure 85. Live Cell Imaging Software Market Drivers

Figure 86. Live Cell Imaging Software Market Restraints

Figure 87. Live Cell Imaging Software Market Trends

Figure 88. Porters Five Forces Analysis

Figure 89. Live Cell Imaging Software Industrial Chain

Figure 90. Methodology

Figure 91. Research Process and Data Source

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