

Optical Biopsy Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2017-2027 Segmented By Technique (Optical Coherence Tomography (OCT), Laser, Infrared, Fluorescence, Spectroscopy, Others), By Application (Oncological v/s Non-Oncological), By End User (Hospitals & Clinics, Cancer Care Centers, Academic & Research Institutes, Others), By Region

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Abstracts

Global optical biopsy market value is anticipated to grow with an impressive CAGR during the forecast years on the backbone of technological advancement in diagnostic medicine. Growing demand for highly defined imaging and 3D visualization of the endoscopic diagnostic surface for the expert to identify and diagnose the condition with clear details, further drives the growth of the global optical biopsy market in the upcoming five years. Growing instances of chronic diseases and infectious diseases that demand detailed visualization for efficient diagnostic and timely treatment advance the growth of the global optical biopsy market in the next five years. Growing demand for non-invasive and minimally invasive diagnostic procedures further supports the growth of the global optical biopsy market in the future five years.

The term “optical biopsy” refers to methods that use the properties of light to enable the operator to make an instant diagnosis at endoscopy, previously possible only by using histological or cytological analysis. Endoscopic diagnosis relies heavily on the ability of the operator to visualize abnormal patterns in the image created by light reflected from the mucosal surface of the gastrointestinal tract. Some of the major optical biopsy techniques for diagnosis include fluorescence endoscopy, optical coherence

tomography, confocal micro-endoscopy, and molecular imaging.

Growing Demand For Endoscopic Diagnosis Drives Market Growth

A surge in the instances of chronic diseases mostly in the gastrointestinal tract like peptic ulcer disease, gastritis, gastroenteritis, celiac disease, Crohn's disease, gallstones, fecal incontinence, etc. drives the growth of the global optical biopsy market in the upcoming five years. Endoscopic diagnosis becomes highly important in the case of these diseases since the effective diagnosis depends on how many clear visuals are provided to the diagnostic expert thereby providing appropriate treatment, thus aiding the growth of the global optical biopsy market in the next five years.

Increasing instances of stomach ulcers, stomach cancers, and growing demand for the surgical removal of cancerous cells from the inner and outer lining of the stomach also facilitates the growth of the global optical biopsy market in the future five years. In the year 2021, 2,281,658 new cancer cases surfaced in the United States alone. A surge in the demand from consumers for the surgical approach to cancer removal acts as a major factor fueling the growth of the global optical biopsy market in the forecast years.

Market Segmentation

The global optical biopsy market segmentation is based on technique, application, end-user, regional distribution, and competitive landscape. Based on technique, the market is fragmented into optical coherence tomography (OCT), laser, infrared, fluorescence, spectroscopy, and others. By application, the market is differentiated between oncological and non-oncological. Based on end users, the market is bifurcated into hospitals & clinics, cancer care centers, academic & research institutes, and others. The market analysis also studies the regional segmentation, divided among Asia-Pacific region, North American region, the Europe region, South American region, and the Middle East & African region.

Company Profile

Vir Biotechnology, Inc., Mauna Kea Technologies SAS, SpectraScience, Inc., PENTAX Europe GmbH, Compact Imaging, Inc., NinePoint Medical, Inc., Precision Biopsy LLC, VivaScope GmbH, LighTopTech Corp., Scinvivo B.V., are enlisted in a partial list of major market players of the global optical biopsy market.

Report Scope:

In this report, global optical biopsy market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Optical Biopsy Market, By Technique:

Optical Coherence Tomography (OCT)

Laser

Infrared

Fluorescence

Spectroscopy

Others

Optical Biopsy Market, By Application:

Oncological

Non-Oncological

Optical Biopsy Market, By End User:

Hospitals & Clinics

Cancer Care Centers

Academic & Research Institutes

Others

Optical Biopsy Market, By Region:

North America

United States

Mexico

Canada

Asia-Pacific

China

India

Japan

Australia

South Korea

New Zealand

Europe

Germany

France

United Kingdom

Spain

Italy

Netherlands

Denmark

Ireland

Belgium

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Turkey

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global optical biopsy market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

2. RESEARCH METHODOLOGY

3. EXECUTIVE SUMMARY

4. IMPACT OF COVID-19 ON GLOBAL OPTICAL BIOPSY MARKET

5. VOICE OF CUSTOMER

5.1. Cancer Prevalence, By Gender

5.2. Cancer Prevalence, By Age Group

5.3. Cancer Prevalence, By Region

5.4. Commonly Used Biopsy Techniques

5.5. Benefits of Using Alternative Biopsy Techniques

5.6. Barriers to Adoption of Optical Biopsy

6. CLINICAL TRIALS ANALYSIS

7. PATENT ANALYSIS

8. GLOBAL OPTICAL BIOPSY MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Technique (Optical Coherence Tomography (OCT), Laser, Infrared, Fluorescence, Spectroscopy, Others)

8.2.2. By Application (Oncological v/s Non-Oncological)

8.2.3. By End User (Hospitals & Clinics, Cancer Care Centers, Academic & Research Institutes, Others)

8.2.4. By Company (2021)

8.2.5. By Region

8.3. Product Market Map

9. NORTH AMERICA OPTICAL BIOPSY MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Technique
 - 9.2.2. By Application
 - 9.2.3. By End User
 - 9.2.4. By Country
- 9.3. North America: Country Analysis
 - 9.3.1. United States Optical Biopsy Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Technique
 - 9.3.1.2.2. By Application
 - 9.3.1.2.3. By End User
 - 9.3.2. Mexico Optical Biopsy Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Technique
 - 9.3.2.2.2. By Application
 - 9.3.2.2.3. By End User
 - 9.3.3. Canada Optical Biopsy Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Technique
 - 9.3.3.2.2. By Application
 - 9.3.3.2.3. By End User

10. EUROPE OPTICAL BIOPSY MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Technique
 - 10.2.2. By Application
 - 10.2.3. By End User

10.2.4. By Country

10.3. Europe: Country Analysis

10.3.1. France Optical Biopsy Market Outlook

10.3.1.1. Market Size & Forecast

10.3.1.1.1. By Value

10.3.1.2. Market Share & Forecast

10.3.1.2.1. By Technique

10.3.1.2.2. By Application

10.3.1.2.3. By End User

10.3.2. Germany Optical Biopsy Market Outlook

10.3.2.1. Market Size & Forecast

10.3.2.1.1. By Value

10.3.2.2. Market Share & Forecast

10.3.2.2.1. By Technique

10.3.2.2.2. By Application

10.3.2.2.3. By End User

10.3.3. United Kingdom Optical Biopsy Market Outlook

10.3.3.1. Market Size & Forecast

10.3.3.1.1. By Value

10.3.3.2. Market Share & Forecast

10.3.3.2.1. By Technique

10.3.3.2.2. By Application

10.3.3.2.3. By End User

10.3.4. Italy Optical Biopsy Market Outlook

10.3.4.1. Market Size & Forecast

10.3.4.1.1. By Value

10.3.4.2. Market Share & Forecast

10.3.4.2.1. By Technique

10.3.4.2.2. By Application

10.3.4.2.3. By End User

10.3.5. Spain Optical Biopsy Market Outlook

10.3.5.1. Market Size & Forecast

10.3.5.1.1. By Value

10.3.5.2. Market Share & Forecast

10.3.5.2.1. By Technique

10.3.5.2.2. By Application

10.3.5.2.3. By End User

10.3.6. Netherlands Optical Biopsy Market Outlook

10.3.6.1. Market Size & Forecast

- 10.3.6.1.1. By Value
- 10.3.6.2. Market Share & Forecast
 - 10.3.6.2.1. By Technique
 - 10.3.6.2.2. By Application
 - 10.3.6.2.3. By End User
- 10.3.7. Denmark Optical Biopsy Market Outlook
 - 10.3.7.1. Market Size & Forecast
 - 10.3.7.1.1. By Value
 - 10.3.7.2. Market Share & Forecast
 - 10.3.7.2.1. By Technique
 - 10.3.7.2.2. By Application
 - 10.3.7.2.3. By End User
- 10.3.8. Ireland Optical Biopsy Market Outlook
 - 10.3.8.1. Market Size & Forecast
 - 10.3.8.1.1. By Value
 - 10.3.8.2. Market Share & Forecast
 - 10.3.8.2.1. By Technique
 - 10.3.8.2.2. By Application
 - 10.3.8.2.3. By End User
- 10.3.9. Belgium Optical Biopsy Market Outlook
 - 10.3.9.1. Market Size & Forecast
 - 10.3.9.1.1. By Value
 - 10.3.9.2. Market Share & Forecast
 - 10.3.9.2.1. By Technique
 - 10.3.9.2.2. By Application
 - 10.3.9.2.3. By End User

11. ASIA-PACIFIC OPTICAL BIOPSY MARKET OUTLOOK

- 11.1. Market Size & Forecast
 - 11.1.1. By Value
- 11.2. Market Share & Forecast
 - 11.2.1. By Technique
 - 11.2.2. By Application
 - 11.2.3. By End User
 - 11.2.4. By Country
- 11.3. Asia-Pacific: Country Analysis
 - 11.3.1. China Optical Biopsy Market Outlook
 - 11.3.1.1. Market Size & Forecast

- 11.3.1.1.1. By Value
- 11.3.1.2. Market Share & Forecast
 - 11.3.1.2.1. By Technique
 - 11.3.1.2.2. By Application
 - 11.3.1.2.3. By End User
- 11.3.2. India Optical Biopsy Market Outlook
 - 11.3.2.1. Market Size & Forecast
 - 11.3.2.1.1. By Value
 - 11.3.2.2. Market Share & Forecast
 - 11.3.2.2.1. By Technique
 - 11.3.2.2.2. By Application
 - 11.3.2.2.3. By End User
- 11.3.3. South Korea Optical Biopsy Market Outlook
 - 11.3.3.1. Market Size & Forecast
 - 11.3.3.1.1. By Value
 - 11.3.3.2. Market Share & Forecast
 - 11.3.3.2.1. By Technique
 - 11.3.3.2.2. By Application
 - 11.3.3.2.3. By End User
- 11.3.4. Japan Optical Biopsy Market Outlook
 - 11.3.4.1. Market Size & Forecast
 - 11.3.4.1.1. By Value
 - 11.3.4.2. Market Share & Forecast
 - 11.3.4.2.1. By Technique
 - 11.3.4.2.2. By Application
 - 11.3.4.2.3. By End User
- 11.3.5. Australia Optical Biopsy Market Outlook
 - 11.3.5.1. Market Size & Forecast
 - 11.3.5.1.1. By Value
 - 11.3.5.2. Market Share & Forecast
 - 11.3.5.2.1. By Technique
 - 11.3.5.2.2. By Application
 - 11.3.5.2.3. By End User
- 11.3.6. New Zealand Optical Biopsy Market Outlook
 - 11.3.6.1. Market Size & Forecast
 - 11.3.6.1.1. By Value
 - 11.3.6.2. Market Share & Forecast
 - 11.3.6.2.1. By Technique
 - 11.3.6.2.2. By Application

11.3.6.2.3. By End User

12. SOUTH AMERICA OPTICAL BIOPSY MARKET OUTLOOK

12.1. Market Size & Forecast

12.1.1. By Value

12.2. Market Share & Forecast

12.2.1. By Technique

12.2.2. By Application

12.2.3. By End User

12.2.4. By Country

12.3. South America: Country Analysis

12.3.1. Brazil Optical Biopsy Market Outlook

12.3.1.1. Market Size & Forecast

12.3.1.1.1. By Value

12.3.1.2. Market Share & Forecast

12.3.1.2.1. By Technique

12.3.1.2.2. By Application

12.3.1.2.3. By End User

12.3.2. Argentina Optical Biopsy Market Outlook

12.3.2.1. Market Size & Forecast

12.3.2.1.1. By Value

12.3.2.2. Market Share & Forecast

12.3.2.2.1. By Technique

12.3.2.2.2. By Application

12.3.2.2.3. By End User

12.3.3. Colombia Optical Biopsy Market Outlook

12.3.3.1. Market Size & Forecast

12.3.3.1.1. By Value

12.3.3.2. Market Share & Forecast

12.3.3.2.1. By Technique

12.3.3.2.2. By Application

12.3.3.2.3. By End User

13. MIDDLE EAST AND AFRICA OPTICAL BIOPSY MARKET OUTLOOK

13.1. Market Size & Forecast

13.1.1. By Value

13.2. Market Share & Forecast

- 13.2.1. By Technique
- 13.2.2. By Application
- 13.2.3. By End User
- 13.2.4. By Country
- 13.3. MEA: Country Analysis
 - 13.3.1. South Africa Optical Biopsy Market Outlook
 - 13.3.1.1. Market Size & Forecast
 - 13.3.1.1.1. By Value
 - 13.3.1.2. Market Share & Forecast
 - 13.3.1.2.1. By Technique
 - 13.3.1.2.2. By Application
 - 13.3.1.2.3. By End User
 - 13.3.2. Saudi Arabia Optical Biopsy Market Outlook
 - 13.3.2.1. Market Size & Forecast
 - 13.3.2.1.1. By Value
 - 13.3.2.2. Market Share & Forecast
 - 13.3.2.2.1. By Technique
 - 13.3.2.2.2. By Application
 - 13.3.2.2.3. By End User
 - 13.3.3. UAE Optical Biopsy Market Outlook
 - 13.3.3.1. Market Size & Forecast
 - 13.3.3.1.1. By Value
 - 13.3.3.2. Market Share & Forecast
 - 13.3.3.2.1. By Technique
 - 13.3.3.2.2. By Application
 - 13.3.3.2.3. By End User
 - 13.3.4. Turkey Optical Biopsy Market Outlook
 - 13.3.4.1. Market Size & Forecast
 - 13.3.4.1.1. By Value
 - 13.3.4.2. Market Share & Forecast
 - 13.3.4.2.1. By Technique
 - 13.3.4.2.2. By Application
 - 13.3.4.2.3. By End User

14. MARKET DYNAMICS

- 14.1. Drivers
- 14.2. Challenges

15. MARKET TRENDS & DEVELOPMENTS

16. COMPETITIVE LANDSCAPE

- 16.1. Vir Biotechnology, Inc.
- 16.2. Mauna Kea Technologies SAS
- 16.3. SpectraScience, Inc.
- 16.4. PENTAX Europe GmbH
- 16.5. Compact Imaging, Inc.
- 16.6. NinePoint Medical, Inc.
- 16.7. Precision Biopsy LLC
- 16.8. VivaScope GmbH
- 16.9. LighTopTech Corp.
- 16.10. Scinvivo B.V.

17. STRATEGIC RECOMMENDATIONS

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