

Biosurgery Market by Product Type (Sealants, Hemostats, Adhesion Barrier, Soft Tissue Attachments, Biological Meshes, DBM, Bone Graft Substitutes), Application (Orthopedic, Cardiovascular), End User (Hospitals, Clinics) - Global Forecast to 2026

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Abstracts

The biosurgery market is projected to reach USD 16.0billion by 2026 from USD 12.2billion in 2021, at a CAGR of 5.7% during the forecast period. Growth in this market is majorly driven by the growing prevalence of chronic diseases requiring surgical interventions and severe traumatic injuries. Owing to increasing growth in such incidence, the volume of elective surgical procedures is increasing, which is driving the demand for biosurgery products. In addition, rising demand for effective blood loss management and increasing availability of advanced biosurgery products is also helping to back the market growth. However, high cost of biosurgery products, dearth of skilled professionals, and stringent regulatory framework are expected to hamper the growth of this market during the forecast period.

Based on product, the bone graft substitutes holds the largest market share during the forecast period.

Based on the product, the bone graft substitutes segment accounted for the largest share of the global biosurgery market in 2020. Bone-graft substitutes are alternative products to autografts and possess osteoconductive properties. Although autografts are used as the gold standard for the treatment of bone defects, they have various limitations, such as the potential risk of infections and donor site morbidity. As a result, the focus on new orthobiologic materials like synthetic bone-graft substitutes is

increasing. Moreover, the use of bone graft substitutes eliminates the need for a second operative procedure and an extra incision at the site of the surgery. As a result, the adoption of bone graft substitutes such as demineralized bone matrix, synthetic bone grafts, allografts, and bone morphogenetic proteins is increasing across orthopedic and dental surgeries globally.

Based on application, the reconstructive surgery segment is expected to register the highest CAGR during the forecast period.

The reconstructive surgery in the application segment is expected to show the highest growth rate during the forecast period. Surgical sealants, hemostats, soft-tissue patches/meshes, and staple line reinforcement agents are extensively used in various reconstructive surgeries, including plastic surgeries, facelifts, rhinoplasty, body contouring, breast surgeries (breast reconstruction & augmentation), burns, and craniofacial applications. Rising number of surgical reconstructive procedures such as facial reconstruction and minimally invasive cosmetic procedures, increasing incidence of skin injuries, growing incidence of burn injuries, and the increasing number of breast cancer patients undergoing mastectomy and breast reconstruction procedures are driving the rapid adoption of biosurgery products in the reconstructive surgery segment.

Based on end-user, the hospitals segment holds the largest market share during the forecast period.

The biosurgery market is segmented into hospitals, clinics, and others. The hospital segment dominates the market share in 2020. The biosurgery products are extensively used in hospitals across operating rooms during surgeries. Moreover, the use of soft-tissue attachments and bone-graft substitutes (such as DBM and BMP) is increasing across hospitals to reduce the duration of patient stays and enhance the healing process. Bone-graft substitutes are finding use as osteoconductive and osteoinductive materials, specifically across orthopedic and spinal procedures. Similarly, hemostatic agents and adhesion barriers are finding increasing adoption across abdominal and cardiovascular procedures to prevent post-operative complications. Moreover, the number of hospitals is increasing globally, especially in emerging countries, which is supporting the high revenue growth in the segment.

North America accounted for the largest share of the biosurgery market in 2020

In 2020, North America accounted for the largest share of the biosurgery market, followed by Europe, Asia Pacific, Latin America, and Middle East & Africa. The large

share of this market segment can be attributed to the presence of a significant number of prominent vendors, a highly developed healthcare system, increasing volume of elective surgeries, rising prevalence of chronic diseases, and favorable reimbursement policies for biosurgery products.

Break of primary participants was as mentioned below:

By Company Type – Tier 1–35%, Tier 2–45%, and Tier 3–20%

By Designation – C-level–35%, Director-level–25%, Others–40%

By Region – North America–45%, Europe–30%, AsiaPacific–20%, Latin America- 3%, Middle East and Africa–2%

Key players in the biosurgery market

The key players operating in the biosurgery market include Johnson & Johnson (US), Baxter International Inc. (US), Medtronic Plc (Ireland), Becton, Dickinson & Co. (US), B. Braun Melsungen AG (Germany), Stryker Corp. (US), Integra Lifesciences Holdings Corp. (US), CSL Ltd. (Australia), Hemostasis LLC. (US), Pfizer Inc. (US), Cyrolife Inc. (US), Zimmer Biomet (US), Kuros Biosciences AG (Switzerland), Orthofix Medical Inc. (US), Smiths & Nephew Plc. (UK).

Research Coverage:

The report analyzes the biosurgery market and aims at estimating the market size and future growth potential of this market based on various segments such as product, application, end user, and region. The report also includes a product portfolio matrix of various biosurgery products available in the market. The report also provides a competitive analysis of the key players in this market, along with their company profiles, product offerings, and key market strategies.

Reasons to Buy the Report

The report will enrich established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn would help them, garner a more significant share of the market. Firms purchasing the report could use one or any combination of the below-mentioned strategies to strengthen their position in the market.

This report provides insights into the following pointers:

Market Penetration: Comprehensive information on product portfolios offered by the top players in the global biosurgery market. The report analyzes this market by product, application, and end user

Product Enhancement/Innovation: Detailed insights on upcoming trends and product launches in the global biosurgery market

Market Development: Comprehensive information on the lucrative emerging markets by product, application, and end user

Market Diversification: Exhaustive information about new products or product enhancements, growing geographies, recent developments, and investments in the global biosurgery market

Competitive Assessment: In-depth assessment of market shares, growth strategies, product offerings, competitive leadership mapping, and capabilities of leading players in the global biosurgery market.

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10.4.1.1 Strong healthcare system and rising geriatric population to support market growth in Japan

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10.4.3.1 Rising healthcare awareness and favorable government support to stimulate market growth in India

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About

The Biosurgery market is expected to reach \$25,635.01 Million by 2020 from \$16,835.28 Million in 2015, at a CAGR of 8.8% from 2015 to 2020.

Growth in this market is attributed to the increasing rate of obesity and other lifestyle disorders, increasing number of sports-related injuries, and growing aging population. However, increasing cost of surgical procedures and lack of reimbursements are expected to restrain the growth of this market to a certain extent.

The key players in the Biosurgery Market are

Baxter International Inc. (U.S.)

C.R. Bard (U.S.)

Johnson & Johnson (U.S.)

Atrium Medical Corporation (U.S.)

Cryolife, Inc. (U.S.)

Stryker Corporation (U.S.)

Hemostasis, LLC (U.S.).

The global biosurgery market is segmented by product, application, and region. This report also discusses the key market drivers, restraints, opportunities, and challenges for this market and its submarkets. On the basis of product type, the market is segmented into sealants, hemostatic agents, adhesion barriers, soft-tissue attachments, bone-graft substitutes, and staple-line reinforcement agents.

North America, a major global market for biosurgery, accounted for a major share of the biosurgery market, followed by Europe. However, emerging countries in the Asia-Pacific

and the Rest of the World (Latin America) regions are expected to witness strong growth during the forecast period. Countries like India, China, and Brazil will majorly drive market growth owing to rising government investments for improvement of healthcare services, presence of a large patient population, and focus of leading players on capturing growth opportunities in these markets.

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