Biomaterials – A Global Market Overview

“The report reviews, analyzes and projects the global market for Biomaterials for the period 2015-2023. The global markets for Biomaterial types analyzed in this study include Metal Biomaterials, Polymer Biomaterials, Ceramic Biomaterials and Other Biomaterials. The report also includes the market analysis for Biomaterials applications comprising Orthopedic, Cardiology, Ophthalmic, Plastic Surgery and Other.”

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Report Synopsis

Factors driving growth in demand for Biomaterials include a growing geriatric population and high incidence of cardiovascular, neurological and orthopedic disorders. Government and private organizations have also taken the lead in providing funds for introducing novel products and increasing awareness pertaining to the benefits of these materials. Leading players in this space have been engaged in constant R&D efforts to introduce technologically advanced offerings. Biomaterials also find widespread application in orthopedic implants used in orthopedic procedures, such as orthobiologics, bioresorbable tissue fixation products, joint replacements, spine implants, visco-supplementation and nonconventional modular tumor implants.

Metal Biomaterials is estimated the largest of material types accounted for US$33.7 billion in 2017 and is projected to reach US$77 billion by 2023 at a CAGR of 14.7% between 2017 and 2023. However, demand for Polymer based Biomaterials is likely to record the fastest similar period CAGR of 17%. In terms of consumption Plastic Surgery application is primed to post the fastest similar period CAGR of 22.3% and reach a projected US$10.5 billion by 2023.

Research Findings & Coverage

- Global Biomaterials market is examined in this report with respect to key material types and major application areas
- Smart Biomaterials: Next Generation Biomaterials
- Personalized Spider Silk – The future Biomaterial
- Polymer Essential for Bone Reconstruction and Nerve Graft Developed
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 57
- The industry guide includes the contact details for 225 companies

Product Outline

The report analyzes the market for the key Biomaterial types:
- Metal
- Ceramic
- Polymer
- Other

Application Areas of Biomaterials analyzed comprise the following:
- Orthopedics
- Cardiology
- Ophthalmic
- Plastic Surgery
- Other

Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global market for Biomaterials for the period 2015-2023 in terms of market value in US$ and the compound annual growth rates (CAGRs) projected from 2017 through 2023

Geographic Coverage

- North America (The United States, Canada and Mexico)
- Europe (Germany, The United Kingdom, France, Spain and Rest of Europe)
- Asia-Pacific (Japan, China, India, Australia and Rest of Asia-Pacific)
- Rest of World (Brazil, Middle East and Other Rest of World)
SAMPLE COMPANY PROFILE

3-D MATRIX, INC. (UNITED STATES)
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Business Overview

Established in Massachusetts, United States, 3-D Matrix, Inc. is a fully-owned subsidiary of Tokyo, Japan-based 3-D Matrix, Ltd. The company is engaged in the development and production of PuraMatrix® family of peptide biomaterials, including PuraMatrix® in vivo extracellular matrix and PuraMatrix® BVF (a solution of synthetic 16-amino acid polypeptides in sterile water) for clinical applications and life science research.

The company manufactures PuraMatrix® peptides using well-characterized F-MOC solid-phase peptide synthesis methodology with patented processing modifications. PuraMatrix® is the first commercial synthetic extracellular matrix (ECM) scaffold, enabling cell culture in carefully controlled microenvironments for life science research, pharmaceutical drug discovery and bioproduction.

The company is engaged in the sales of CE Mark approved haemostatic agent PuraStat® in Europe, Latin America and Southeast Asia, and also engaged in research trials for FDA approval. The company has completed a pilot study for using PuraMatrix® as a dental bone void filler in the United States; and is engaged in various clinical trials in Japan. 3-D Matrix offers PuraMatrix® / PuraStat® family of unique and patented biomaterials (self-assembling peptide (SAP) as nanofiber scaffolds (SANS)) for use in various clinical applications, including hemostasis, bone and cartilage regeneration, drug delivery, soft tissue regeneration, minimally invasive surgical delivery, anti-adhesion, cardiovascular, and neurosurgical.

SAMPLE TABLE/CHART

Glance at 2018 Global Biomaterials Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World

North American Biomaterials Market Analysis (2015-2023) by Material – Metal, Ceramic, Polymer and Other in USD Million

KEY PLAYERS PROFILED

- 3-D Matrix, Inc
- aap Implantate AG
- Abbott Laboratories
- Acumed LLC
- Arthrex, Inc.
- B. Braun Melsungen AG
- Baxter International Inc.
- Biocomposites Ltd.
- Biomaterials Korea, Inc.
- Boston Scientific Corporation
- Carpenter Technology Corporation
- Celanese Corporation
- Ceramtec GmbH
- Corbion N.V.
- Covalon Technologies Ltd.
- Cryolife Inc.
- DSM Biomedical
- Evonik Nutrition & Care GmbH
- Invibio Ltd.
- Medtronic Plc
- RTI Surgical®, Inc
- Smith & Nephew Plc
- Solvay SA
- Straumann Holding AG
- Stryker Corporation
- Wright Medical Group N.V.
- Zimmer Biomet

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Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

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