Novel Absorbable Scaffold for Breakthrough Surgical Applications

Biomedical Structures, LLC (BMS), a designer, developer and manufacturer of biomedical textiles for medical devices and other advanced clinical applications, announced its BIOFELT® absorbable scaffold for implant devices in orthopedics, cardiology, and general surgery, as well as other in vivo applications. BIOFELT's unique non-woven structure provides a fibrous matrix platform that enables natural tissue in-growth in surgical applications.

BIOFELT is a three dimensional non-woven structure with very high surface area and void volume designed to promote natural cell adhesion and regeneration. Produced from PGA (Polyglycolic Acid), PLLA (Poly L Lactic Acid) and copolymers such as PLGA (co-polylactic acid/glycolic acid), BIOFELT can be used as a component of medical devices or surgical systems with the benefit of bio-absorbability.

"BIOFELT is a terrific example of how traditional tissue engineering technology and materials can be used in more innovative ways across medical device sectors," said Dean Tulumaris, President and CEO of BMS. "BMS' commitment to emerging device development has long been one of our strengths, and we dedicate tremendous resources to the engineering of customized solutions to the most difficult and novel device challenges. We are excited to bring our absorbable fiber and design expertise into new and emerging clinical applications with BIOFELT."

BIOFELT is custom-engineered for individual device requirements and is available in a wide array of densities and thicknesses to allow for application-specific performance. Proven in cardiovascular, orthopedic and urological tissue regeneration applications, BIOFELT has been utilized in everything from internal wound management to hemostasis. As a non-woven fabric, BIOFELT can be

produced as flat sheets, discs, tubes and a variety of other geometric shapes with an absorption profile from anywhere from less than 30 days to one year.

Biomedical Structures provides advanced design, development and manufacturing of biomedical textile structures with expertise in knitting, braiding, weaving and non-woven technologies. The company utilizes a broad offering of biocompatible absorbable and non-absorbable materials in devices, drug delivery and surgical systems for orthopedic, cardiovascular, bariatric, cosmetic and veterinary medicine applications.

Biomedical Structures
www.bmsri.com [1]

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