

## Beijing Biosis Healing Biotechnology Co., Ltd

Beijing Biosis Healing Biotechnology Co., Ltd. was founded in 2012. Zhao Bo, the founder of the company, was a surgeon at Chaoyang Hospital affiliated to Capital Medical University. He has been engaged in clinical and basic research of abdominal surgery for more than 10 years. In clinical work, he realized that regenerative repair is the development direction of surgery, realizing the localization of high-end medical devices and import substitution. Biosis Healing was founded with the encouragement of the party and government to encourage scientific and technological personnel to innovate and start businesses. The company specializes in regenerative medical materials and implantable medical devices. After years of independent research and development, the company has established a regenerative extracellular matrix source biomaterial technology platform with independent intellectual property rights and a series of products covering the entire surgical line, and has become a platform-type enterprise of surgical implants for tissue repair.



The material adopts the fresh animal small intestine submucosal tissue as a raw material, removes the immunogenicity through a non-cross linking process, retains the three-dimensional structure, components and biological active substances of the natural extracellular matrix. The material can actively induce cell growth and proliferation, differentiation, angiogenesis and tissue remodeling after being implanted into the body. It can completely degrade in vivo and achieve tissue regeneration and repair. It can be used for the regeneration and repair of almost all soft tissues of the human body. The application field covers the whole line of clinical surgery and the material has the material platform property. At present, only a American company has the same technology and the products are expensive, exceeding 350RMB per square centimeter. Through perfect preclinical research and more than 1000 clinical cases, we have confirmed that the technical system and material performance have reached the international leading level, and can achieve import substitution. Biosis Healing becomes the second enterprise in the world having the material technology and the whole line of tissue repair products. In the field, there are nearly 100 domestic and foreign invention patents, and the core technologies and products are patented in China, the United States, Germany and Japan.

Based on the clinical needs of tissue repair and reconstruction, functional regeneration and organ replacement, we have developed a series of implantable medical device products for tissue repair based on core technology, for abdominal wall repair, tendon repair, tympanic membrane reconstruction, digestive tract and lung reinforcement and reconstruction, endometrial repair, etc., covering many important surgical fields such as gastrointestinal surgery, abdominal wall surgery, anorectal surgery and maxillofacial surgery. Biosis Healing has provided a comprehensive solution for surgical tissue repair and functional regeneration. These products can replace non-degradable materials and autologous tissue transplantation, improving life quality of patient. These products are quality and cheap and can replace expensive imported products, reducing medical expenses. At the same time, we will also enter the international market.

This project is included in the 863 National Key Basic Research Program of China in new

material field of the Ministry of Science and Technology during the Twelfth Five-year Plan Period. It also is included in Zhongguancun's major frontier original technological achievements transformation and industrialization project. Many products are domestic initiative or listed in the national key R&D plan, and obtained CFDA priority approval and special approval procedures for innovation medical devices. We will continue to focus on the field of surgical repair and always make unremitting efforts to serve human health.