SPINEART

SUBSTANCE™ BIOLOGICS

SUBSTANCE™ ADVANCED

SUBSTANCE™ Advanced

SUBSTANCE™ ADVANCED is a premier bone grafting material that harnesses the inherent regenerative capabilities of cortical bone fibers in a predefined physical format. By providing a pure, biologically active matrix, it supports superior bone regeneration outcomes. This advancement significantly enhances patient care and recovery across various surgical fields that demand exceptional fusion results.

SUBSTANCE™ ADVANCED

SUBSTANCE™ ADVANCED represents a significant advancement in bone regeneration technology. This innovative product is formulated entirely from 100% processed cortical bone fibers, making it an exceptional choice for medical professionals seeking the highest standards in bone graft materials.

Some of the notable distinguishing features of SUBSTANCE™ ADVANCED include its predefined initial physical shape and carrier-free composition. The absence of carriers ensures that the matrix consists exclusively of native bone growth proteins and growth factors. This unique formulation preserves the product's full biological activity, creating an optimal environment for bone regeneration.

The proprietary processed cortical bone fibers in SUBSTANCE™ ADVANCED are abundant in essential growth factors and proteins vital for bone healing and regeneration. Among these are various osteoinductive proteins that stimulate the differentiation of mesenchymal stem cells into osteoblasts, the cells responsible for bone formation. This natural composition enhances the body's innate healing processes, resulting in more effective and accelerated bone regeneration.

SUBSTANCE™ ADVANCED offers several clinical advantages. Its 100% native composition reduces the risk of adverse reactions and promotes better integration with the patient's existing bone. This makes it an ideal choice for a wide range of orthopedic and neurosurgical applications, including spinal fusions, bone defects, and fracture repairs.

BENEFITS of SUBSTANCE™ Advanced

SUBSTANCE™ ADVANCED

VERSATILITY OF HANDLING

SUBSTANCE™ ADVANCED offers versatile application options to meet diverse clinical needs. It can be hydrated or finely morselized, allowing for easy packing into various implant configurations, thereby enhancing the graft's adaptability and integration. Additionally, it is suitable for direct application into fusion sites, whether used dry or pre-hydrated.

This flexibility allows for tailored use based on specific surgical needs, ensuring maximum efficacy and convenience. The option to use the product in both dry and hydrated forms gives surgeons the adaptability needed for optimal bone regeneration and fusion outcomes.

VERIFIED OSTEOINDUCTIVE POTENTIAL

The graft used in SUBSTANCE™ ADVANCED undergoes a proprietary processing technique designed to expose naturally occurring osteoinductive bone-forming proteins and growth factors. Each lot is rigorously tested to confirm its osteoinductive potential, ensuring consistent quality and effectiveness.

SOURCE

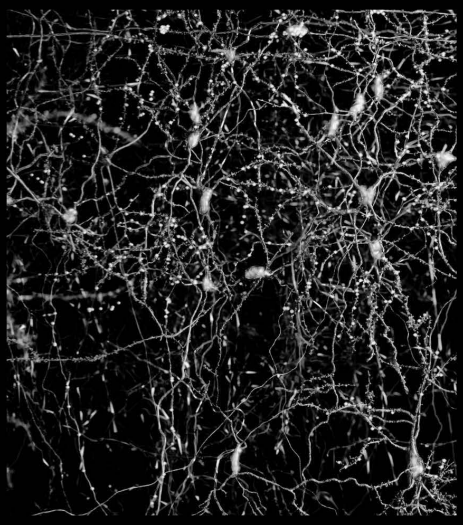
SUBSTANCE™ ADVANCED is ethically sourced from human donors via AATB-accredited tissue banks, ensuring the highest standards of quality and ethical practices.

RESORPTION

The product's resorption rate is precisely engineered to align with new bone formation, ensuring it supports bone growth without premature failure.

SAFETY

The highest safety standards are maintained through multiple safeguards, including rigorous quality control processes and terminal sterilization by gamma irradiation. These measures ensure the product's sterility and safety for patient use.



SUBSTANCE™ ADVANCED CATALOG

SUBSTANCE™ ADVANCED

SUBSTANCE™ ADVANCED is composed of 100% proprietary processed cortical bone. Without any carriers, the engineered matrix delivers pure native bone growth proteins and growth factor potentials, creating an optimal environment for bone regeneration. This innovative formulation maximizes biological activity, enhancing bone repair and supporting superior patient outcomes across a variety of clinical applications.

SUBSTANCE™ ADVANCED	
SUBSTANCE™ ADVANCED, FIBER STRIP (50x20x5mm)	SBS-52 05-S

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