Signafuse: The ideal environment for bone healing from beginning to end.

SIGNAFUSE is designed to provide a rapid, bioactive response, optimized resorption profile and unparalleled handling characteristics.

The SIGNAFUSE Difference
+ SIGNAFUSE enhances surgical performance through an optimized combination and ratio of materials that mimic the natural structure and composition of cortical and cancellous bone.
+ It is comprised of a biphasic mineral composite, combined with patented bioglass granules, to facilitate a rapid and sustained biologic response throughout the bone healing process.
+ SIGNAFUSE’s resorbable polymer carrier is designed to provide best-in-class handling.

Moldable to Any Size Defect
+ SIGNAFUSE is designed to enable shaping to any size defect, maintaining graft integrity when combined with autologous bone, and resisting displacement during irrigation.

SIGNAFUSE Bioactive Surface Response
+ The patented bioglass component stimulates the formation of an apatite layer as early as seven days on the surface of the granules, providing an osteoconductive scaffold that is bioactive and supports generation of new osseous tissue.

Clinically Supported
+ The microporous and macroporous biphasic calcium phosphate in SIGNAFUSE has been utilized clinically in the reconstruction of small and large bony defects, including posterior spinal fusion.

Porosity and Structure Similar to Human Bone
+ SIGNAFUSE has a multidirectional interconnected porosity structure similar to that of human cancellous bone that is 20-30% microporous (pore size <10 μm) and 50-55% macroporous.
+ Porosity allows for diffusion of biological fluids and offers a large surface area for exchange of calcium and phosphate ions.
The patented carrier is designed for rapid resorption during the inflammatory phase of the bone healing process.

+ The controlled resorption rate of the biphasic mineral produces a stable scaffold that allows sustained bioactivity and osteoconductivity, enhancing cell maturation and bone formation during the healing process, and the rapid dissolution rate provides a distinct advantage over slower dissolving carriers.

+ SIGNAFUSE’s carrier demonstrated a greater hydrophilic efficiency than Actifuse ABX during benchtop testing. This is critical to allow immediate access to the bone healing effects of the bioactive minerals.

Safety

+ SIGNAFUSE features consistent composition without variability inherent in particle size and porosity of tissue based grafts.

+ Biocompatible carrier is designed for rapid elimination through natural metabolic pathways.

SIGNAFUSE is available in a ready-to-use format in a pre-loaded open barrel syringe applicator.

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<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>SIZE (g)</th>
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