Osteoconductive porous scaffold to allow ingrowth of host vasculature, osteoblasts and MSCs.\(^1\)

**CANCELLOUS MATRIX**

Demineralized cortical fibers provide inherent osteogenic growth factors important in the bone healing process. The self-entanglement of the fibers results in a pliable, cohesive graft.

**CORTICAL FIBERS**

High surface area of the elongated fibers create a cell-friendly collagen framework for cell attachment and proliferation, which aid in new bone formation.

**CELL-FRIENDLY STRUCTURE**

**Versatile Formulations**

**ADVANCED**
- Graft expansion, hydrated
- Moldable handling
- Resists irrigation

**STRIP**
- Rapid rehydration
- Maintains shape
- Contours to host bone

fiberFUSE™ allografts consist of mineralized cancellous bone and demineralized cortical fibers, providing an ideal matrix for bone healing. A natural solution that is 100% bone, available in both moldable and strip formulations.
Exclusively processed by MTF Biologics, stringent donor selection criteria and validated processing methods ensure a consistent graft.

- Large Recovery Network
- <2% Donors Accepted
- Aseptic processing

Aseptic processing methods preserve the inherent biologic properties. The key growth factors in the bone healing cascade that contribute to new bone formation are present within the demineralized cortical fibers of fiberFUSE.2,3

Cellular ingrowth
- FGF-1
- PDGF-BB
- IGF-1

Revascularization
- FGF-1
- VEGF

New bone formation
- BMP-2
- BMP-7
- TGF-β
- IGF-1

Osteoinductive Performance

Verified osteoinductivity
Not all bone matrices are the same; donor variability and processing methods play a significant role in osteoinductive performance.

When compared to competitor DBMs, the cortical fibers in fiberFUSE allografts demonstrated consistent osteoinductivity.³

Impact of terminal sterilization
Terminal sterilization can be detrimental to the biomechanical properties of bone.⁴ It has been shown to negatively impact osteoinductive potential by approximately 50%⁵,⁶

fiberFUSE allografts are aseptically processed to retain these natural properties of the grafts.
Please visit Orthofix.com/IFU for full information on indications for use, contraindications, warnings, precautions, adverse reactions information and sterilization.

### MTF Biologics

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### Orthofix

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### References:

1. Roberts TT and Rosenbaum AI. Bone grafts, bone substitutes and orthobiologics; The bridge between basic science and clinical advancements in fracture healing. 2012. Organogenesis 8 (114-124).


