

BEAST[™] INJECTABLE PUTTY
DEMINERALIZED BONE MATRIX

BEAST+[™]
DEMINERALIZED BONE MATRIX

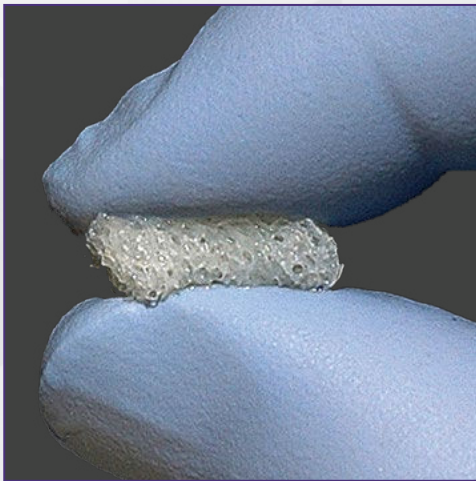
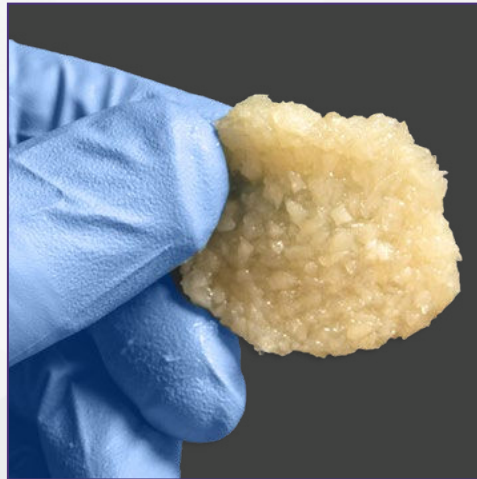
BEAST[™]
OSTEOBIOLOGIC SPONGE

Beast DBM Portfolio

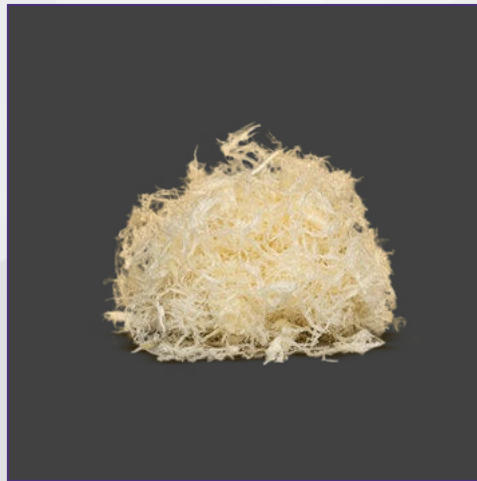
BEAST[™] Injectable Putty



BEAST⁺[™]



BEAST[™] OsteoBiologic Sponge (BOB[™])



BEAST[™] Cortical Fibers

Beast DBM Portfolio

BEAST™ INJECTIBLE PUTTY

BEAST™ Injectable Putty was engineered for superior performance¹. The graft does not adhere to gloves yet maintains its placement in the surgical environment. Osteoinductivity of sterile final product is assessed in vivo, and every lot tested to date, has consistently demonstrated an osteoinductive response.

Product Highlights

- ▶ **Injectable and moldable:** flexibility in delivery to the surgical site
- ▶ **Osteoinductive:** assured osteoinductive potential via validated processing
- ▶ **Proprietary processing:** Compression benchmarks through demineralization maintains peak osteoinductive potential and preserves native BMPs (Bone Morphogenetic Proteins)
- ▶ **Proven efficacy:** equivalent to iliac crest autograft proven in a preclinical spinal fusion model²
- ▶ **Cohesive handling:** resists irrigation due to robust biocompatible carrier
- ▶ **Sterility assurance level (SAL) 10⁻⁶:** terminal sterilization ensures the highest level of patient safety
- ▶ **3 years shelf life, ambient storage:** convenient and ready to use



Ordering Information

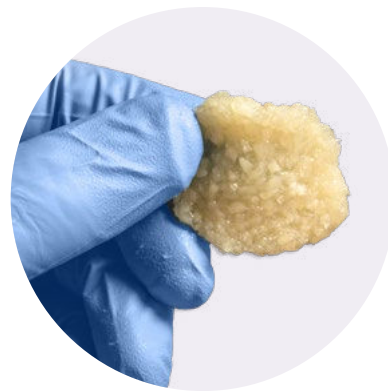
Item Number	Description
P01-DBM-2010	BEAST™ Injectable Putty, 1.0 cc
P01-DBM-2025	BEAST™ Injectable Putty, 2.5 cc
P01-DBM-2050	BEAST™ Injectable Putty, 5.0 cc
P01-DBM-2100	BEAST™ Injectable Putty, 10.0 cc

BEAST+™

BEAST+™ is premixed with cortical chips, eliminating the need for cumbersome intraoperative mixing. Utilizing demineralized instead of mineralized cortical chips ensures that the additional graft material does not diminish osteoinductivity.

Product Highlights

- ▶ **Packaged in a jar, ready to use:** eliminates the need for interoperative mixing
- ▶ **Proven efficacy:** equivalent to iliac crest autograft proven in a preclinical spinal fusion model²
- ▶ **Osteoinductive:** assured osteoinductivity via validated processing
- ▶ **Cohesive handling:** resists irrigation due to robust biocompatible carrier
- ▶ **Sterility assurance level (SAL) 10⁻⁶:** terminal sterilization ensures the highest level of patient safety
- ▶ **3 years shelf life, ambient storage:** convenient and ready to use



Ordering Information

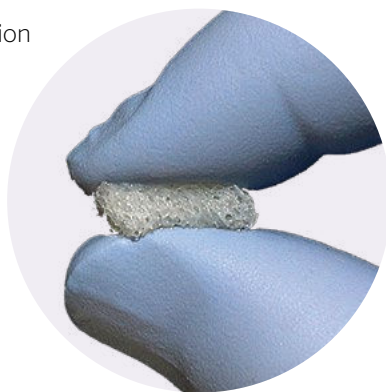
Item Number	Description
P01-DBM-3025	BEAST+™ Putty, 2.5 cc
P01-DBM-3050	BEAST+™ Putty, 5.0 cc
P01-DBM-3100	BEAST+™ Putty, 10.0 cc

BEAST™ OSTEOBIOLOGIC SPONGE

BEAST™ OsteoBiologic Sponge (BOB™) is a novel form of demineralized bone matrix (DBM) made from 100% human trabecular bone. BOB™ provides a natural scaffold for cellular ingrowth and exposes bone-growth-inducing proteins to the healing environment. The malleable properties of BOB™ enable it to fill and conform to irregular bony defects. Positive clinical outcomes with BOB™ have been demonstrated in multiple peer-reviewed publications.

Product Highlights

- ▶ **100% human demineralized cancellous bone**
- ▶ **Osteoconductive:** interconnected porosity provides a scaffold for cellular ingrowth and proliferation
- ▶ **Osteoinductive potential:** patented demineralization process optimizes the preservation of inherent growth factors
- ▶ **Compressible handling:** compressible sponge readily conforms to fill defect, thus maximizing direct bone to graft contact
- ▶ **Sterility assurance level (SAL) 10⁻⁶:** terminal sterilization ensures the highest level of patient safety
- ▶ **Fluid retention:** matrix absorbs bioactive fluids, like bone marrow aspirate, and supports cellular infiltration
- ▶ **Resists migration:** even under direct irrigation
- ▶ **Radiolucent:** graft material allows for a more accurate assessment of new bone formation
- ▶ **5-year shelf life, ambient storage**



Ordering Information

Item Number	Description
P01-DBM-4006	BEAST™ OsteoBiologic Sponge (BOB™), 26 x 19 x 7 mm

BEAST™ CORTICAL FIBERS

Demineralized cortical fibers create an interconnected graft material that contains native bone morphogenic proteins (BMPs) and other growth factors necessary for promoting new bone formation.

Product Highlights

- ▶ **Osteoconductive:** entangled fiber architecture provides cellular highways for migration
- ▶ **Osteoinductive potential:** proprietary demineralization process optimizes the preservation of inherent growth factors that aid in cell differentiation
- ▶ **Formable handling:** entangled fibers provide grafts with superior cohesiveness and a pliable consistency upon hydration
- ▶ **Fluid retention:** matrix absorbs bioactive fluids, and supports cellular infiltration
 - Rehydrate in Blood, BMA, PRP, or Saline prior to implantation



Ordering information


Item Number	Description
P01-CF-5050	BEAST™ Cortical Fibers 5.0 cc

References:

- 1 Data on file at Xtant Medical.
- 2 Kiely, P.D. et al., (2014) Evaluation of a new formulation of demineralized bone matrix putty in a rabbit posterolateral spinal fusion model. The Spine Journal. September 14(9): 2155-2163

Manufactured for Paragon 28®

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For the contraindications, potential complications and adverse reactions, warnings and precautions associated with this device, please refer to the device specific instructions for use at <http://www.paragon28.com/ifus>