

# Advanced Bone Matrices for Complex Orthopedic Repair



## Ready-to-use, allograft-based cancellous cubes engineered for improved handling and integration.

In demanding orthopedic cases, you need a graft solution that goes beyond simply filling a void. Our Cancellous Cubes deliver a sophisticated blend of structural integrity and biological performance, offering a natural scaffold for bone regeneration while facilitating surgical efficiency and predictable outcomes.



Cancellous Cubes combine human-derived cortico-cancellous bone grafts integrated with gelatin and hyaluronic acid, forming a compressible, easily handled graft that expands upon contact with blood or saline, conforming intimately to the surrounding bone.

Designed for challenging defect geometries in trauma, spine, revision arthroplasty, and non-union applications, these grafts provide a ready-to-use allograft alternative that supports osteoconduction, osteoinduction and vascularization.

## Key Features & Benefits

### Optimized Handling

- Compressible cube structure makes it simple to shape or adapt to irregular defects. Ready-to-use — no mixing, no extensive preparation.

### Expandable Structure

- Upon exposure to blood/saline, the material expands to fill and conform to the defect space — improving fit and contact with host bone.

### Enhanced Porosity

- Increased porosity supports cellular migration and angiogenesis — critical for integration and new bone formation.

### Cortico-Cancellous Blend

- The composite of cortical and cancellous bone balances mechanical stability with resorption and remodeling over time.

### Time-Saving Application

- Eliminates the extra steps of graft preparation, enabling streamlined surgical workflows and reduced OR time.

## How to Use / Handling Instructions

Simply apply the cube directly into the defect site. Slightly compress the cube before placement; once it contacts physiologic fluids (blood or saline) it expands to fill the space and conform to the surrounding bone architecture. Secure fixation is typically achieved without additional hardware.

## Why Choose this Product?

- Reliable allograft foundation
- Versatile surgical use
- Efficiency in the OR
- Supports predictable healing

## Clinical Indications/Applications

- Trauma & fracture repair
- Spinal fusion and vertebral reconstruction
- Revision arthroplasty
- Non-union or delayed union defects
- Small to medium segmental bone defects

## Ordering Information

To place an order, our team will assist you with product selection, regulatory compliance and timely delivery. Focus on patient care — we'll handle the logistics.

Code	Description	Size
BE8002FD	NovioBone, 50/50 Blend	0.5 CC