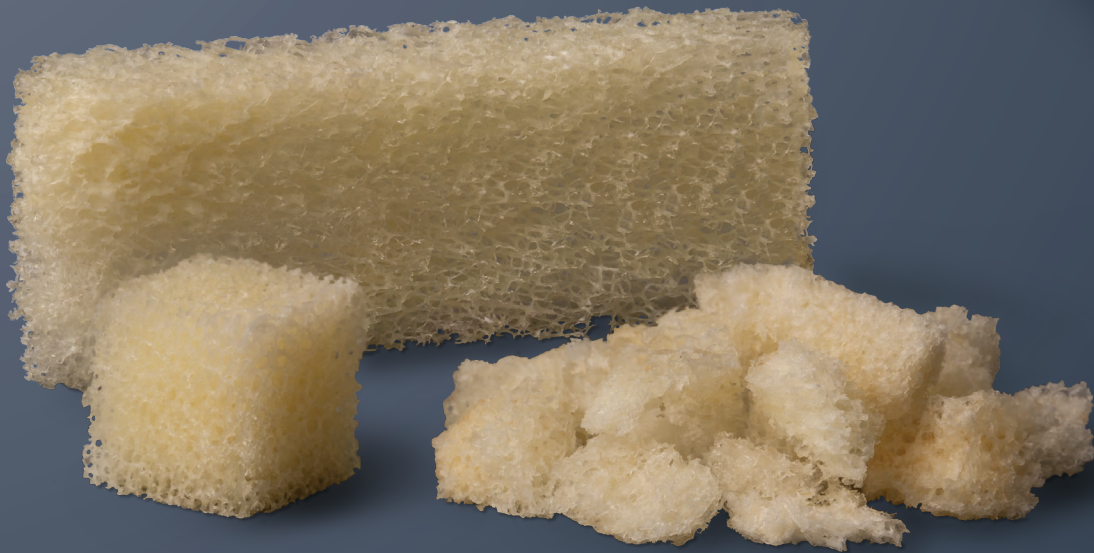


OsteoSponge®

Demineralized Cancellous Allograft



The ORIGINAL 100% DBM

OsteoSponge®

Demineralized Cancellous Allograft

Clinical Advantage

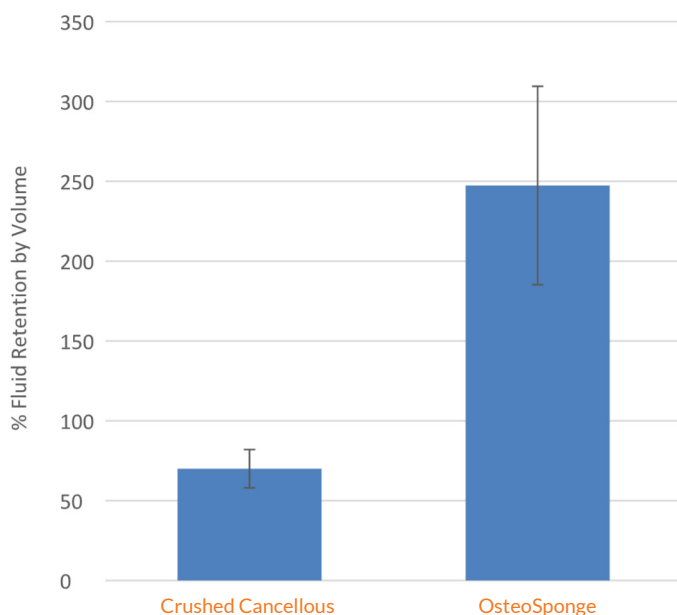
Osteosponge is a patented form of demineralized bone matrix (DBM) made from 100% bone. Derived from cancellous bone, OsteoSponge provides a natural scaffold for cellular ingrowth and exposes bone-growth-inducing proteins to the healing environment. The malleable properties of OsteoSponge enable it to fill and conform to irregular bony defects.

Features & Benefits

- **Osteoinductive potential** – patented demineralization process optimizes the preservation of inherent growth factors that aid in cell differentiation¹
- **Osteoconductive** – interconnected porosity provides a scaffold for cellular adhesion and vascular ingrowth
- **Fluid retention** – porous matrix allows for adsorption of osteogenic cells from autologous BMA
- **Compressible handling** – compressible sponge readily conforms to fill a defect, maximizing direct bone to graft contact
- **Sterility assurance level (SAL) 10^{-6}** – terminal sterilization ensures the highest level of patient safety
- **Proven clinical history** – efficacy is supported by multiple peer reviewed publications

Superior fluid retention over traditional bone chips

OsteoSponge absorbed **3 times more** bone marrow aspirate (BMA) than traditional crushed cancellous in an *in vitro* study.¹



Benefits of BMA absorption^{2,3}

- May lead to the migration and attachment of more cells
- Increases the concentration of growth factors at the injury site
- Allows for the distribution of nutrients
- Creates an osteogenic environment



OsteoSponge Strip



Item

109621
109622
109631
109632
109633
109634
109635
109636
109637
109638
109640
109642

Product Name

OsteoSponge Strip 50 x 5 x 5mm
OsteoSponge Strip 50 x 7 x 5mm
OsteoSponge Strip 20 x 14 x 5mm
OsteoSponge Strip 20 x 14 x 7mm
OsteoSponge Strip 26 x 19 x 7mm
OsteoSponge Strip 30 x 10 x 7mm
OsteoSponge Strip 50 x 10 x 7mm
OsteoSponge Strip 50 x 20 x 7mm
OsteoSponge Strip 26 x 19 x 7mm - 2 Per pack
OsteoSponge Strip 26 x 19 x 7mm - 4 Per pack
OsteoSponge Strip 40 x 15 x 5mm
OsteoSponge Strip 40 x 15 x 2mm

OsteoSponge Block



Item

109608
109610
109612
109614

Product Name

OsteoSponge Block 8mm
OsteoSponge Block 10mm
OsteoSponge Block 12mm
OsteoSponge Block 14mm

OsteoSponge Disc



Item

109501
109502
109503

Product Name

OsteoSponge Disc, 10 mm
OsteoSponge Disc, 12 mm
OsteoSponge Disc, 14 mm

OsteoSponge Filler



Item

109410
109425
109550
109510
109515
109530

Product Name

OsteoSponge Filler 1.0cc 4–10 mm Chips
OsteoSponge Filler 2.5cc 4–10 mm Chips
OsteoSponge Filler 5.0cc 4–10 mm Chips
OsteoSponge Filler 10.0cc 4–10 mm Chips
OsteoSponge Filler 15.0cc 4–10 mm Chips
OsteoSponge Filler 30.0cc 4–10 mm Chips

OsteoSponge Filler Fine



Item

109210
109225
109250
109310
109315

Product Name

OsteoSponge Filler Fine 1.0cc 1–4 mm Chips
OsteoSponge Filler Fine 2.5cc 1–4 mm Chips
OsteoSponge Filler Fine 5.0cc 1–4 mm Chips
OsteoSponge Filler Fine 10.0cc 1–4 mm Chips
OsteoSponge Filler Fine 15.0cc 1–4 mm Chips



Item

T076-0116

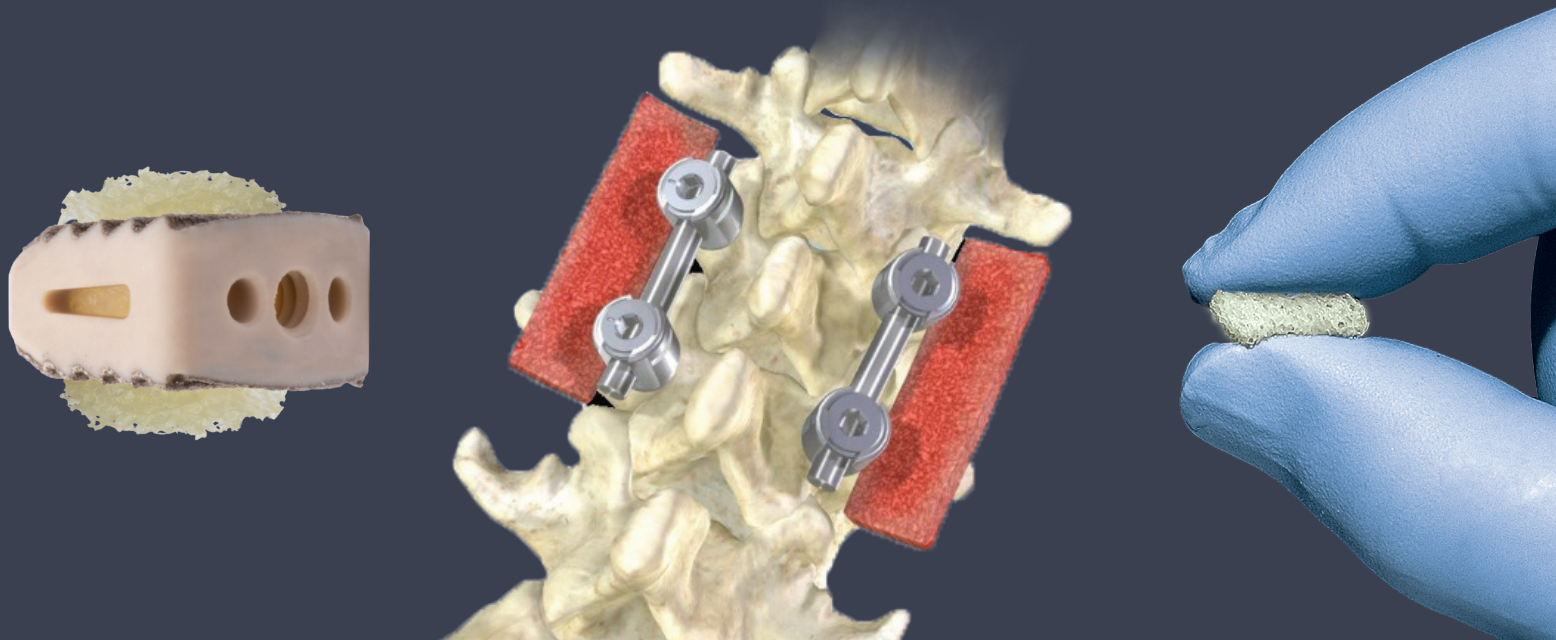
Product Name

Bone Marrow Aspiration Needle 11G x 15cm

Fit For Fusion

OsteoSponge offers the ideal fit for use within Xtant Irix® and Calix® interbodies and facilitates precise placement in posterolateral spine applications.⁴

- **Shape memory characteristics** help to maximize surface area for bone contact with the graft material.
- **Intact single piece** of cancellous bone resists migration.



¹ Data on file at Xtant Medical

² Block, J.E. The role and effectiveness of bone marrow in osseous regeneration. Medical Hypotheses. 65(4): 740–7, 2005

³ McLain, R.F., et al. Aspiration of osteoprogenitor cells for augmenting spinal fusion... Journal of Bone and Joint Surgery. 87(12): 2655–2661, 2005.

⁴ 510(k) Numbers: K171567, K162944, K170119, K171075

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