



OsteoVation[®]

β TCP

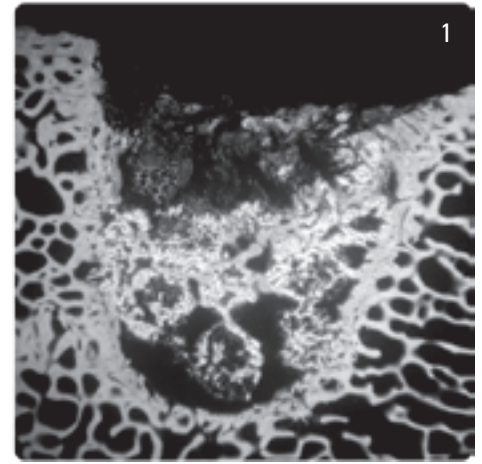


Rethinking Possibilities, Reshaping Lives

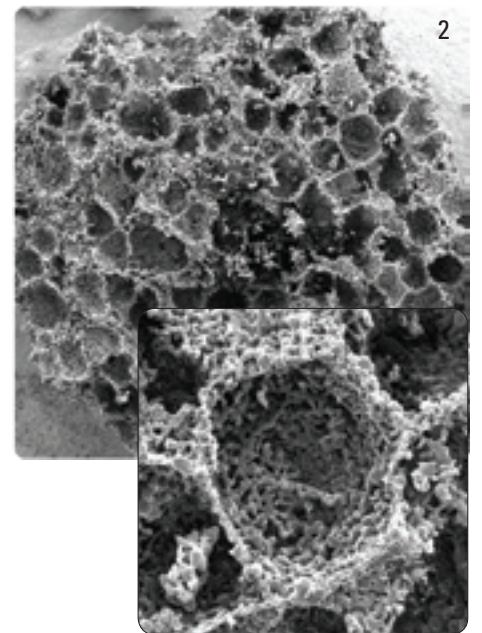
OsteoVation β TCP beads are a synthetic, porous, osteoconductive bone graft substitute comprised of single-phase pure beta-tricalcium phosphate (β-TCP) biomaterial.

These beads have a significantly higher dissolution rate (See figure 1) than hydroxyapatite (HA). OsteoVation β TCP beads are roughly 80% macro- and micro-porous, with porosity ranging from 1 to 450 microns as shown. (See figure 2)

The surgeon can choose to mix OsteoVation β TCP beads with the patient's blood or BMA. BMA is a rich source of mesenchymal stem cells which show osteogenic potential. Through a simple one step surgical technique, the addition of autologous cells to the beads results in a pliable putty following clotting. This graft can be pushed from the syringe into the surgeon's hand or directly into the bone void. OsteoVation β TCP beads are an excellent choice to mix with BMA or blood prior to implantation. (See figure 3)



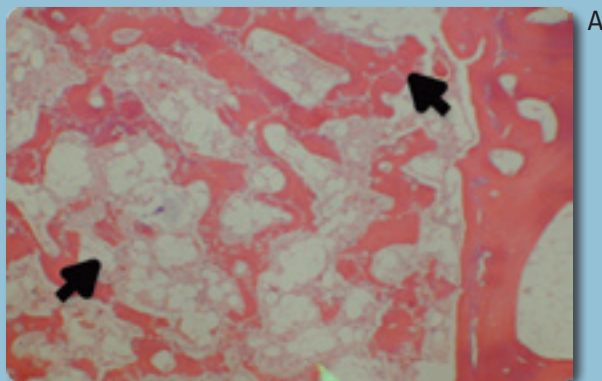
Micro-radiograph of Induce beads implanted in femur specimen at 12 weeks. The beads exhibit more degradation and resorption as remodeling takes place. A continuous mineral phase spans across the entire width of the defect.



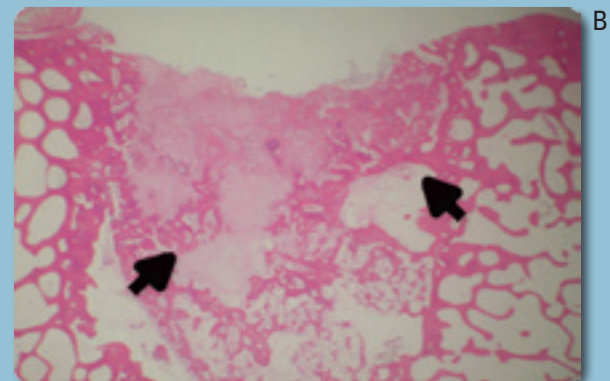
Cracked bead surface shows that the beads from inside, are highly macro- and micro-porous. The pores are homogeneously distributed along the inside of the bead.

- Tumor & Cysts
- Non-Unions
- Osteotomies
- Fusions
- Fractures
- Osteolysis

3
OsteoVation β TCP beads show early formation of new bone growth.



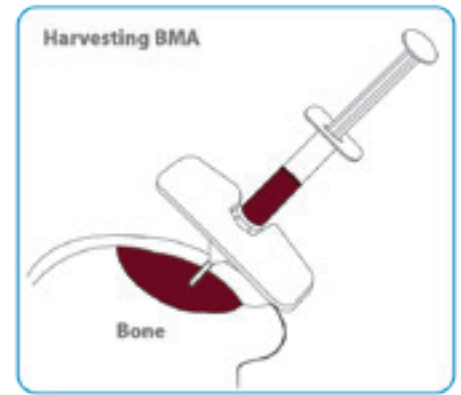
A) New Bone is most clearly seen at the interface of the defect with significant intrusion in to the bulk of the defect (black arrows)



B) New bone is formed not only surrounding the implanted beads but throughout them as well (black arrows).

OsteoVation[®] β TCP INSTRUCTIONS FOR USE

The kit can accept saline, whole blood, and BMA. The kit was designed to harvest BMA and easily combine it with the β TCP Beads to create a rich graft that delivers mesenchymal stem cells and their osteoprogenitor properties to the void site in an osteoconductive matrix.



85% Macroporous Osteoconductive Graft

Osteoconductive, Osteoinductive, Osteogenic when mixed with BMA

Custom Delivery Kit Allows for Easy Addition of Cell Factors
• BMA • Blood • Saline

Sets with blood & BMA

Radiopaque

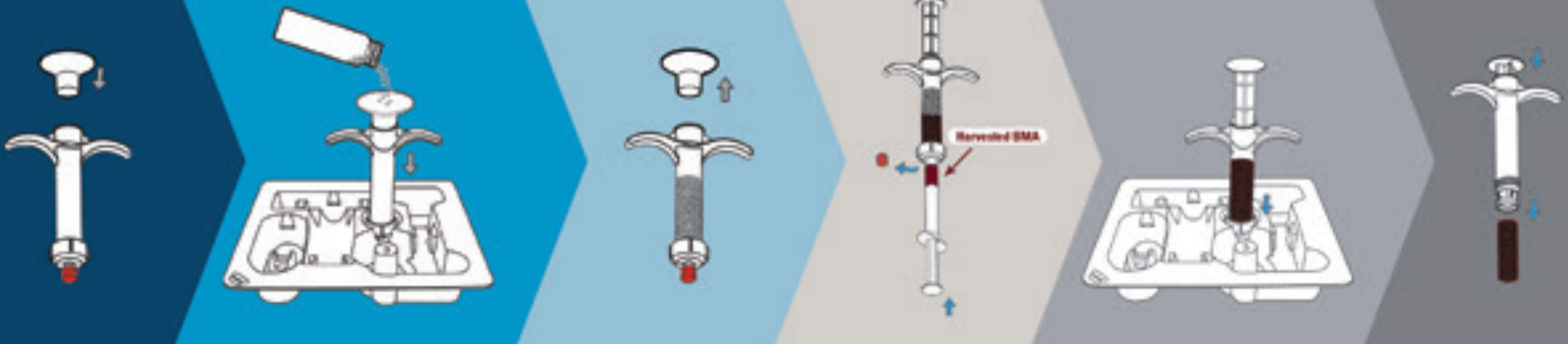
A Great Medium for Cell Delivery

Provides all essential properties for new bone growth

Easy-To-Use & Flexible

Immobile from Implantation Site

Easily Seen on Fluoroscopy/ X-Ray



Additional OsteoMed Products



ExtremiFix Headless Cannulated Screws



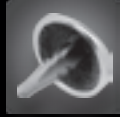
ExtremiFix Cannulated Screws



ExtremiFix Large Cannulated Screws



ExtremiFuse



EnCompass



EnCompass Lessers



Hemi



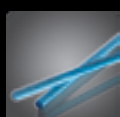
ReFlexion



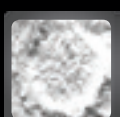
InterPhlex



Talar-Fit



Inion



OsteoVationEX



OsteoVation QWIK



- ◆ 85% Macroporous Graft
- ◆ Accepts a 1-1 Ratio of BMA | Blood | Saline
- ◆ Foot & Ankle Cell Delivery & Bone Graft Kit
Osteogenic*
Osteoinductive*
Osteoconductive*
- ◆ Easy-to-Use Custom Delivery Kit with Bone Marrow Aspiration (BMA)

Ordering Info Part No. Product Description

390-8006	6cc	OsteoVation β TCP Kit
390-8012	12cc	OsteoVation β TCP Kit

* When combined with BMA



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