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)

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 into 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).
The kit can accept saline, whole blood, and BMA. The kit was designed to harvest BMA and easily combine it with the ß 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