

SYNTHETIC BONE VOID FILLER PRODUCTS

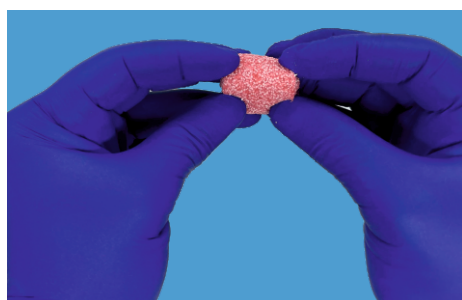
Bi-Ostetic™ is a cost-effective synthetic bone filler formulated for **slow resorption**. Based on Tricalcium Phosphate (TCP) and Hydroxyapatite (HAP), its composition mimics that of human bone. Berkeley Advanced Biomaterials formulates the chemistry and microstructure of Bi-Ostetic™ to enhance bone regeneration. This formulation provides **optimal osteo-conduction**. The spongy Bi-Ostetic™ bioceramic granules with true interconnected porosity resemble human cancellous bone chips. The structure enhances osteo-conduction and **ensures complete bone in-growth**.

Bioactive Glass Foam™ is a sterile bone graft composed of highly purified fibrillar Type I bovine collagen, 45S5 bioactive glass granules and Bi-Ostetic™ resorbable 60% hydroxyapatite and 40% tricalcium phosphate granules. It functions as an osteogenic stimulus to which the patient's bone marrow can be added to, prior to implantation. Bi-Ostetic Bioactive Glass Foam™ is safe and has **excellent biocompatibility**. After it is implanted, it resorbs and is later replaced by natural bone.

Cem-Ostetic® is a bio-engineered mixture of calcium-based inorganic compounds. After it is implanted, Cem-Ostetic® resorbs and is later replaced by natural bone. Cem-Ostetic® is an osteoconductive bone substitute shaped as granules or blocks that are intended to be used to fill voids and gaps that are not intrinsic to the stability of the bone structure. The Cem-Ostetic® granules or blocks provide void filling material that acts as a temporary support medium. The granules or blocks are not intended to provide structural support during the healing process. The implant is radio-opaque. Cem-Ostetic® is biocompatible and resorbs in the body as bone ingrowth occurs.

Cem-Ostetic® is a neutral pH bone putty that contains biocompatible calcium salts that have been used for decades in orthopedic surgery. These materials are often used to provide an additional source of bone to help the patient heal faster. Berkeley Advanced Biomaterials formulates the chemistry and microstructure to enhance bone regeneration, **provide optimal osteo-conduction, and reduce the time for the bone to regain its full health**. Cem-Ostetic®'s unique putty formula sets up quickly with marginal exothermic reaction (less than 4°C).

A kit to form putty into beads is also available.



Ordering Information

Bi-Ostetic Granules					
BIO-01G	BIO-02G	BIO-05G	BIO-10G	BIO-15G	BIO-30G
1.0 cc	2.5 cc	5.0 cc	10.0 cc	15.0 cc	30.0 cc
Bi-Ostetic Foam Strips & Putty					
BF1-50X10-01	BF1-50X10-02	BF1-50x25-02	BF2-50X10-05	BF1-100X25-10	
BF-01P	BF-02P	BF-02P	BF-05P	BF-10P	
1.0 cc	2.5 cc	2.5 cc	5.0 cc	10.0 cc	
Bi-Ostetic Bioactive Glass Strips & Putty					
AA1-50X10-01	AA1-50X10-02	AA1-50x25-02	AA2-50X10-05	AA1-100X25-10	
AA-01	-	AA-02	AA-05	AA-10P	
1.0 cc	2.5 cc	2.5 cc	5.0 cc	10.0 cc	

Cem-Ostetic Granules				
CEMO-01G	CEMO-02G	CEMO-05G	CEMO-10G	CEMO-15G
1.0 cc	2.5 cc	5.0 cc	10.0 cc	15.0 cc
Cem-Ostetic Putty				
CEMO-01P	CEMO-02P	CEMO-05P	CEMO-10P	CEMO-20P
1.0 cc	2.5 cc	5.0 cc	10.0 cc	20.0 cc
Cem-Ostetic Putty Convenience Kits				
PCK-02	PCK-05	PCK-10		
Small Beads	Medium Beads	Large Beads		