



ESSENTIAL bioLOGICS



bioXEN
bone graft particulate



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- Natural anorganic bovine bone matrix
- Physically and chemically comparable to the mineral matrix of human bone
- One of the most reliable bone substitutes used by dental professionals



OUSIA bioXEN Granules

bioXEN natural cancellous (spongiosa) and cortical bone matrix is produced by the removal of all organic components from bovine bone. The anorganic bone mineral matrix has macro- and microscopic structures similar to human bone.

The proprietary manufacturing process of bioXEN allows for maintenance of the naturally occurring bone mineral structure, including macroscopic and microscopic structures. Due to this trabecular architecture with interconnecting macro and micro pores, the ingrowth of new bone and associated vascularization at the site of grafting is optimized.

bioXEN may be used with autogenous bone where there is an insufficient quantity of bone to fulfill the needs of the proposed surgical procedure.

bioXEN is recommended for:

- Augmentation or reconstructive treatment of the alveolar ridge.
- Filling of infrabony periodontal defects.
- Filling of defects after root resection, apicoectomy, and cystectomy.
- Filling of extraction sockets to enhance preservation of the alveolar ridge.
- Elevation of the maxillary sinus floor.
- Filling of periodontal defects in conjunction with products intended for Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR).
- Filling of peri-implant defects in conjunction with products intended for Guided Bone Regeneration (GBR).

bioXEN Features:

Handling: The structure of bioXEN aids in particle hydration and delivery of the product to the defect.

Particle Distribution: bioXEN maximizes the distribution of the preferred particle sizing within desired ranges.

Particle Structure and Porosity: bioXEN maintains the high porosity and trabecular structure of natural mineralized bone and maximizes the potential for angiogenesis.¹



bioXEN
Bone Graft Particulate
Cancellous

Packaged for the United States

Item #	Volume	Particulate Size
OUSM1S	0.5cc	250-1000 microns
OUSM2S	1.0cc	250-1000 microns
OUSM3S	2.5cc	250-1000 microns
OUSM4S	4.0cc	250-1000 microns

OUSM5S	1.0cc	1000-2000 microns
OUSM6S	2.5cc	1000-2000 microns

Packaged for outside of the United States *

Item #	Volume	Particulate Size
OUSM1SEU	0.6cc	250-1000 microns
OUSM2SEU	1.2cc	250-1000 microns
OUSM3SEU	2.4cc	250-1000 microns
OUSM4SEU	4.7cc	250-1000 microns

OUSM5SEU	1.7cc	1000-2000 microns
OUSM6SEU	6.8cc	1000-2000 microns

* Products may not be available in all countries. Please contact your local representative for more information.



¹ Klenke FM, Liu Y, Yuan H, Hunziker EB, Siebenrock KA, Hofstetter W. Impact of pore size on the vascularization and osseointegration of ceramic bone substitutes in vivo. J Biomed Mater Res A. 2008 Jun 1;85(3):777-86.

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