

Puros[®] Block Allograft

Changing The Concept Of Block Grafting

1. Documented Successful Bone Regeneration

- Documented graft and implant success rates^{1,3} make it a viable alternative to autogenous block grafting^{4,5}
- Multicenter data reported 91% Puros Block Allograft and 99% Tapered Screw-Vent[®] Implant survival at three years¹
- Cortico-Cancellous structure retains the remodeling capabilities of cancellous bone with the strength advantages of cortical bone needed for dimensional ridge augmentation^{1,3}



2. Time-Saving

- Saves time, helps to reduce pain, and can shorten the patient's rehabilitation period by eliminating the need to harvest an autogenous graft

3. Tutoplast[®] Tissue Sterilization Process

- Sterilized and preserved using the proprietary Tutoplast Process, Puros Block Allograft offers a high-quality option for bone regeneration
- Retains osteoconductive properties due to the preservation of the natural bone matrix collagen and mineral composition, trabecular pattern, original porosity^{1,2,6}
- Five-year shelf life and room temperature storage

A Clinically Proven Documented Solution For Restoring Volume To Severely Resorbed Ridges.^{1,3}

Clinical Advantages Of Puros Block Allografts

- Outcomes^{1,3} have been comparable to those generally reported for autogenous block grafting, but without the need for a second surgery to harvest native bone^{4,6}
- Clinical reports have documented the ability to stabilize implants 5-6 months after grafting^{1,3}

Take A Closer Look



Figure A Preoperative: narrow ridge.



Figure B Puros Block Allograft in place.



Figure C Postoperative: Puros Block Allograft incorporated in bone after healing.

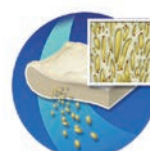


Figure D Rehabilitated ridge with implant restoration.

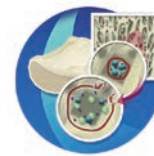
The Unique Tutoplast Process

Osmotic, oxidative and alkaline (if indicated) treatments break down cell walls, inactivate pathogens, and remove bacteria. Solvent dehydration allows for room-temperature storage of tissue without damaging the native tissue structure. Low-dose gamma irradiation ensures a sterility assurance level (SAL) of 10⁻⁶ of the final packaged graft.⁷

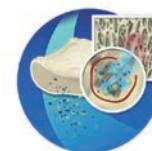
For over 40 years, a variety of Tutoplast processed tissues have been safely used in more than three million procedures.



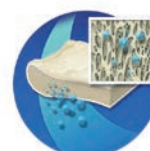
Delipidization



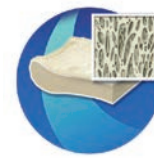
Osmotic treatment



Oxidative treatment



Solvent dehydration



Low-dose gamma irradiation

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Ordering Information

Catalog Number	Description
68220	Puros Block Allograft, 10 mm
68221	Puros Block Allograft, 15 mm

Zimmer Biomet Dental offers a comprehensive line of allografts for bone and soft-tissue augmentation needs.

- 1 Keith JD Jr, Petrungaro P, Leonetti JA, Elwell CW, Zeren KJ, Caputo C et al. Clinical and histologic evaluation of a mineralized block allograft: results from the developmental period (2001-2004). *Int J Periodontics Restorative Dent.* 2006;26:321-327.
- 2 Leonetti JA, Koup R. Localized maxillary ridge augmentation with a block allograft for dental implant placement: case reports. *Implant Dent.* 2003;12:217-226.
- 3 Keith JD Jr, Salama MA. Ridge preservation and augmentation using regenerative materials to enhance implant predictability and esthetics. *Compend Contin Educ Dent.* 2007;28:614-623.
- 4 Schwartz-Arad D, Levin L, Sigal L. Surgical success of intraoral autogenous block onlay bone grafting for alveolar ridge augmentation. *Implant Dent.* 2005 14:131-138.
- 5 Levin L, Nitzan D, Schwartz-Arad D. Success of dental implants placed in intraoral block bone grafts. *J Periodontol.* 2007;78:18-21.
- 6 von Arx T, Buser D. Horizontal ridge augmentation using autogenous block grafts and the guided bone regeneration technique with collagen membranes: a clinical study with 42 patients. *Clin Oral Impl Res.* 2006;17:359-366.
- 7 Data on file with RTI Surgical, Inc.

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