

Changing the concept
of block grafting

Puros[®] Block Allograft



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

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Preoperative: narrow ridge.



Puros Block Allograft in place.



Postoperative: Puros Block Allograft incorporated in bone after healing.



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 50 years, a variety of Tutoplast processed tissues have been safely used in more than 11 million procedures.



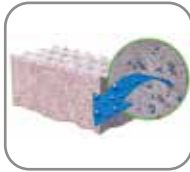
1. Alkaline Treatment



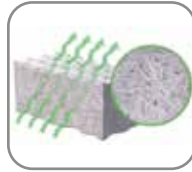
2. Osmotic Treatment



3. Oxidative Treatment



4. Solvent Treatment



5. Irradiation

Ordering Information

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

ZimVie 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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