



Puros® Block Allograft



Changing the concept of block grafting.

Documented Successful Bone Regeneration

- *Puros* Block Allograft is a clinically documented solution for effectively restoring volume to severely resorbed ridges.¹⁻³
- Documented graft and implant success rates¹⁻³ 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 3 years.¹
- Corticocancellous structure retains the remodeling capabilities of cancellous bone with the strength advantages of cortical bone needed for dimensional ridge augmentation.¹⁻³
- Retains osteoconductive properties due to the preservation of the natural bone matrix collagen and mineral composition, trabecular pattern, and original porosity.^{1-2,6}

Time-Saving

- By eliminating the need to harvest an autogenous graft, *Puros* Block Allograft usage saves time, helps to reduce pain, and can shorten the patient's rehabilitation period.

Tutoplast® Process

- Sterilized and preserved using the proprietary *Tutoplast* Process, *Puros* Block Allograft offers a high-quality option for successful bone regeneration.

Puros Allografts – Filling nature's void.

A comprehensive line of allografts for bone and soft tissue augmentation needs.

Clockwise from top left: Puros Demineralized Bone Matrix (DBM) Putty, *Puros* Pericardium Allograft Membrane, *Puros* Dermis Allograft Tissue Matrix, *Puros* Cancellous Particulate Allograft, *Puros* Cortical Particulate Allograft, *Puros* Block Allograft



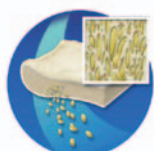
Puros Block Allograft

The unique Tutoplast Process

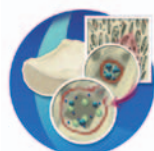
The proprietary *Tutoplast* Process assures the highest standard of tissue safety and quality with minimal risk of disease transmission.^{6,8}

The process preserves the valuable collagen matrix and tissue integrity while inactivating pathogens and gently removing unwanted materials, such as cells, antigens and viruses.^{6,8} The result is safe, biocompatible tissue.

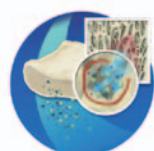
For over 35 years, *Tutoplast*-processed tissues have been safely used in more than three million procedures?



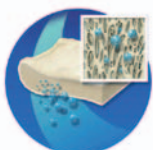
Delipidization



Osmotic treatment



Oxidative treatment



Solvent dehydration



Low-dose gamma irradiation

Clinical advantages of Puros Block Allografts

- Outcomes¹⁻³ have been comparable to those generally reported for autogenous block grafting, but without the need for a second surgery to harvest native bone.⁴⁻⁷
- Clinical reports have documented the ability to stabilize implants 5-6 months after grafting.¹⁻³
- Quick hydration, five-year shelf life and room temperature storage.

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.

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Ordering information

Catalog Number	Description
67220	Puros Block Allograft, 15x10x9mm
67221	Puros Block Allograft, 15x15x9mm

To learn more about Puros Block Allograft, please visit us online at www.zimmerdental.com or to speak to a sales representative, call +61 (0)2 9950 5434 or 1 (800) 241 916.

¹ Keith JD Jr, Petrunaro P, Leonetti JA, Elwell CW Jr, 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 Schoepf C. Allograft safety: efficacy of the Tutoplast® process. *International Magazine of Oral Implantology.* 2006;1:10-15.

⁷ 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.

^{8,9} References available upon request.

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