

Puros® Cortical Particulate Allograft

Building Bone, Naturally.



REGENERATIVE SOLUTIONS

1 Long-Lasting Regeneration

- Can be used alone or as a composite graft in space maintenance and volume enhancement procedures¹
- Slow-resorbing – Maintains an open network for the proliferation of bone-forming cells¹
- Retains the natural collagen matrix and mineral structure of human cortical bone^{2,3}

3 Safe And Easy To Use

- Sterilized using the proprietary Tutoplast® process
- Over 40 years of history and more than 5 million documented cases³
- Easy handling, quick hydration, five-year shelf life and room temperature storage

2 Clinically Successful

- Remodels into a dense lamellar structure without sacrificing ridge contour, and into natural viable bone with similar density to native bone⁴
- In a “sandwich” technique for the treatment of localized buccal dehiscence defects, Park and Wang reported an average gain of 1.8 mm in bone thickness⁵
- In a combination “sandwich” and mucogingival pouch flap technique, one study achieved 1.5 mm to 3.5 mm gain in mean ridge thickness, and 84% to 100% gain in mean ridge height⁶



ZIMMER BIOMET
Your progress. Our promise.®

Offers The Density And Strength Of A Cortical Autograft¹ Without The Need For Costly And Invasive Bone Harvesting.

The Unique Tutoplast Process

- The proprietary Tutoplast process assures the highest standard of tissue safety and quality with minimal risk of disease transmission.^{2,3}
- The process preserves the valuable collagen matrix and tissue integrity while inactivating pathogens and gently removing unwanted materials, such as cells, antigens and viruses.³ The result is safe, biocompatible tissue.³
- For over 40 years, Tutoplast processed tissues have been safely used in more than 5 million procedures.³



Delipidization



Osmotic treatment



Oxidative treatment



Solvent dehydration



Low-dose gamma irradiation

Take A Closer Look



Figure A Severely resorbed pre-operative ridge.



Figure B SEM of Puros Cortical Particulate.



Figure C Puros Cortical Particulate in place.



Figure D 3 months postoperative: ridge width restored to natural contours (4 mm increase).

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Ordering Information

Catalog Number	Description
67271	Puros Cortical Particulate, 0.25–1 mm/0.5 cc
67272	Puros Cortical Particulate, 0.25–1 mm/1.0 cc
67273	Puros Cortical Particulate, 0.25–1 mm/2.0 cc
67274	Puros Cortical Particulate, 1–2 mm/0.5 cc
67275	Puros Cortical Particulate, 1–2 mm/1.0 cc
67276	Puros Cortical Particulate, 1–2 mm/2.0 cc

¹ Wang HL, Boyapati L. "PASS" principles for predictable bone regeneration. *Implant Dent.* 2006;15:8-17.

² Schoepf C. Allograft safety: efficacy of the Tutoplast® Process. *International Magazine of Oral Implantology.* 2006;1:10-15.

³ Data on file with RTI Biologics, Inc.

⁴ Le B, Burstein J, Sedghizadeh P. Cortical tenting grafting technique in the severely atrophic ridge for implant site preparation. *Implant Dent.* 2008;17:40-50.

⁵ Park SH, Wang HL. Management of localized buccal dehiscence defect with allografts and acellular dermal matrix. *Int J Periodontics Restorative Dent.* 2006;26:589-595.

⁶ Park SH, Wang HL. Mucogingival pouch flap for sandwich bone augmentation: technique and rationale. *Implant Dent.* 2005;14:349-356.

⁷ Schlegel KA, Schultze-Mosgau S, Wiltfang J, Neukam FW, Ruppert S, Thorwarth M. Changes in mineralization of free autogenous bone grafts used for sinus floor elevation. *Clin Oral Implants Res.* 2006;17:673-678.

⁸ Rubio de Rezende ML, Nascimento de Melo LG, Hamata MM, Monteiro-Amado F. Particulate inlay nasal graft with immediate dental implant placement in a patient with repaired alveolar cleft: case report. *Implant Dent.* 2008;17:332-338.

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