



The Natural Choice for  
Healthy Bone Growth

# Puros<sup>®</sup> Cancellous Particulate Allograft



## Proven, Predictable Regeneration

- Acts as an osteoconductive scaffold for new bone formation<sup>1,2</sup>
- In large-volume applications, prospective studies have documented faster bone regeneration at 6 months than grafts containing sintered bovine bone matrix<sup>3,4</sup>
- In small-volume applications, regeneration of hard bone has been reported as early as 3-5 months<sup>5,7</sup>

## Tutoplast<sup>®</sup> Process

- Sterilized and preserved using the proprietary Tutoplast Sterilization Process, Puros Cancellous Particulate is a high-quality allograft designed for large and small volume bone regeneration procedures

## Natural and Easy to Use

- Retains osteoconductive properties due to the preservation of the natural bone matrix collagen and mineral composition, trabecular pattern, and original porosity,<sup>1,2</sup> enabling the ingrowth of vascular and cellular connective tissue<sup>6</sup>
- Easy handling – quick hydration, 5-year shelf life, and room temperature storage



# The Bone Grafting Material of Choice for Many Clinicians Due to its History of Well-Documented Clinical Results

## Clinical Advantages of Puros Cancellous Particulate Allografts

Puros Cancellous Particulate Allografts have shown successful clinical results in procedures for:

- Repair of periodontal bone and furcation defects<sup>1,2</sup>
- Osseous defect reconstruction<sup>1,2,4,7</sup>
- Reconstruction of extraction sockets<sup>5,6</sup>
- Reconstruction of gaps around block grafts<sup>5,8</sup>
- Horizontal alveolar crest augmentation<sup>5,8</sup>
- Sinus augmentation<sup>3,4</sup>

## Take a Closer Look



Fig. A Implant placed in defective ridge.



Fig. B Puros Cancellous Particulate in place.

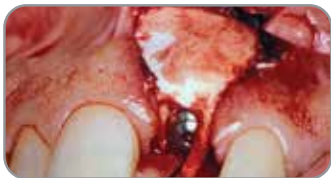


Fig. C BioMend® Membrane covering allograft.



Fig. D Four months postoperative: ridge restored to natural contours.

## Ordering Information

Catalog Number	Description
68210	Puros Cancellous Particulate, 0.5 cc, 0.25 - 1 mm
68211	Puros Cancellous Particulate, 1 cc, 0.25 - 1 mm
68209	Puros Cancellous Particulate, 2 cc, 0.25 - 1 mm
68212	Puros Cancellous Particulate, 0.5 cc, 1 - 2 mm
68213	Puros Cancellous Particulate, 1 cc, 1 - 2 mm
68214	Puros Cancellous Particulate, 2 cc, 1 - 2 mm

ZimVie Dental offers a comprehensive line of allografts for bone augmentation needs.

For more information, visit [ZimVie.com](http://ZimVie.com)

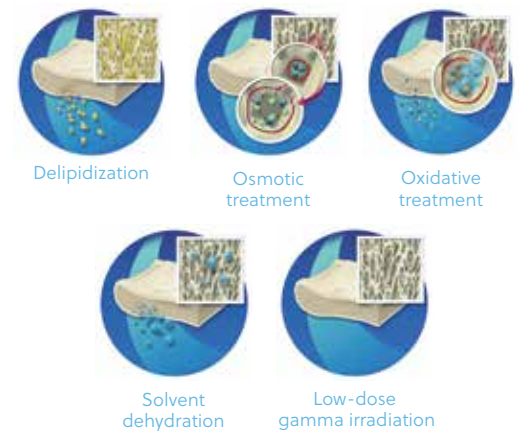
**ZimVie**  
4555 Riverside Drive  
Palm Beach Gardens, FL 33410  
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## The Unique Tutoplast Process

The proprietary Tutoplast Sterilization Process assures the highest standard of tissue safety and quality.<sup>9</sup>

For allograft bone grafts, the process preserves the valuable bone mineral, collagen matrix and tissue integrity<sup>10</sup> while inactivating pathogens and gently removing unwanted materials, such as cells, antigens, and viruses<sup>9</sup> - resulting in predictable, reliable, sterile, and safe tissue.<sup>9</sup>

More than 11 million implants have been sterilized through the Tutoplast Process with zero confirmed incidence of implant-associated infection.<sup>9</sup>



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- 1 Davi E, Aslan M, Simsek G, Yilmaz AB. The effects of bone chips dehydrated with solvent on healing bone defects. *J Int Medical Res.* 2002;30:168-173.
- 2 Tsao YP, Neiva R, Al-Shammari K, Oh TJ, Wang HL. Effects of a mineralized human cancellous bone allograft in regeneration of mandibular Class II furcation defects. *J Periodontol.* 2006;77:416-425.
- 3 Froum SJ, Wallace SS, Elian N, Cho SC, Tarnow DP. Comparison of mineralized cancellous bone allograft (Puros) and anorganic bovine bone matrix (Bio-Oss) for sinus augmentation: histomorphometry at 26 to 32 weeks after grafting. *Int J Periodontics Restorative Dent.* 2006;26:543-551.
- 4 Noumbissi SS, Lozada JL, Boyne PJ, Rohrer MD, Clem D, Kim JS, Prasad H. Clinical, histologic, and histomorphometric evaluation of mineralized solvent-dehydrated bone allograft (Puros) in human maxillary sinus grafts. *J Oral Implantol.* 2005;31:171-179.
- 5 Block MS, Finger I, Lytle R. Human mineralized bone in extraction sites before implant placement. Preliminary results. *J Amer Dent Assoc.* 2002;133:1631-1638.
- 6 Minichetti JC, D'Amore JC, Hong AYJ, Cleveland DB. Human histologic analysis of mineralized bone allograft (Puros) placement before implant surgery. *J Oral Implantol.* 2004;30:74-82.
- 7 Block MS, Degen M. Horizontal ridge augmentation using human mineralized particulate bone: preliminary results. *J Oral Maxillofac Surg.* 2004;62(Suppl 2):67-72.
- 8 Bach L, Burstein J, Sedghizadeh PP. Cortical tenting grafting technique in the severely atrophic alveolar ridge for implant site development. *Implant Dent.* 2008;17:40-50.
- 9 Data on file with RTI Surgical, Inc.
- 10 Tadic D. et al. *Biomaterials* (2004) 25:987-94.

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