Puros Cancellous Particulate Allograft

1. Proven, Predictable Regeneration
   • Acts as an osteoconductive scaffold for new bone formation.2–3
   • In large-volume applications, prospective studies have documented faster bone regeneration at 6 months than grafts containing sintered bovine bone matrix.4–5
   • In small-volume applications, regeneration of hard bone has been reported as early as 3–5 months.6–8

2. 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,7 enabling the ingrowth of vascular and cellular connective tissue.7
   • Easy handling – quick hydration, five-year shelf life and room temperature storage.

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

The Bone Grafting Material Of Choice For Many Clinicians Due To Its History Of Well-Documented Clinical Results.

Puros Cancellous Particulate Allografts have shown successful clinical results in:
• Regeneration of periodontal bone and furcation defects.2–3
• Osseous defect regeneration.2–3, 5–8
• Regeneration of extraction sockets.6–7
• Regeneration of gaps around block grafts.5–9
• Horizontal alveolar crest augmentation.6–9
• Sinus augmentation.4–5
Take A Closer Look

Ordering Information

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67210</td>
<td>Puros Allograft Cancellous Particulate, 0.5 cc, 0.25–1 mm</td>
</tr>
<tr>
<td>67211</td>
<td>Puros Allograft Cancellous Particulate, 1 cc, 0.25–1 mm</td>
</tr>
<tr>
<td>67209</td>
<td>Puros Allograft Cancellous Particulate, 2 cc, 0.25–1 mm</td>
</tr>
<tr>
<td>67212</td>
<td>Puros Allograft Cancellous Particulate, 0.5 cc, 1–2 mm</td>
</tr>
<tr>
<td>67213</td>
<td>Puros Allograft Cancellous Particulate, 1 cc, 1–2 mm</td>
</tr>
<tr>
<td>67214</td>
<td>Puros Allograft Cancellous Particulate, 2 cc, 1–2 mm</td>
</tr>
<tr>
<td>67215</td>
<td>Puros Allograft Cancellous Particulate, 3 cc, 1–2 mm</td>
</tr>
<tr>
<td>67216</td>
<td>Puros Allograft Cancellous Particulate, 3 cc, 2–4 mm</td>
</tr>
</tbody>
</table>


Clinical photographs © 2012 Dr. Dr. O. Blume, Dr. M. Back, Dr. T. Müller-Hotop. All rights reserved. Individual results may vary.

Fig A
Bony defect region 21.

Fig B
Puros Allograft Cancellous Particles in place.

Fig C
Bone graft covered with CopiOs® Pericardium Membrane.

Fig D
Implant bed after 4.5 months healing time: recovered ridge width.
1. Documented Successful Bone Regeneration

- Documented graft and implant success rates make it a viable alternative to autogenous block grafting.\(^{10-11}\)
- Cortico-Cancellous structure retains the remodeling capabilities of cancellous bone with the strength advantages of cortical bone needed for dimensional ridge augmentation.\(^{12}\)

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.\(^{10}\)

3. Tutoplast Process

- Sterilized and preserved using the proprietary Tutoplast process, Puros Block Allograft offers a high-quality option for successful bone regeneration.\(^{10}\)
- Retains osteoconductive properties due to the preservation of the natural bone matrix collagen and mineral composition, trabecular pattern, original porosity.\(^{13}\)

A Clinically Proven Documented Solution For Restoring Volume To Severely Resorbed Ridges.\(^{10-11}\)

Clinical advantages of Puros Block Allografts:

- Outcomes\(^{10-11}\) have been comparable to those generally reported for autogenous block grafting, but without the need for a second surgery to harvest native bone.\(^{14-15}\)
- Clinical reports have documented the ability to stabilize implants 5–6 months after grafting.\(^{10-12}\)
- Quick hydration, five-year shelf life and room temperature storage.
Clinical photos ©2011 PD Dr. Dr. Kristian Würzler. All rights reserved. Individual results may vary.

Take A Closer Look

Ordering Information

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>67220</td>
<td>Puros Allograft Block, 15 x 10 x 9 mm</td>
</tr>
<tr>
<td>67221</td>
<td>Puros Allograft Block, 15 x 15 x 9 mm</td>
</tr>
<tr>
<td>67222</td>
<td>Puros Allograft Cancellous Block, 8 x 8 x 8 mm</td>
</tr>
<tr>
<td>67223</td>
<td>Puros Allograft Cancellous Block, 10 x 10 x 20 mm</td>
</tr>
<tr>
<td>67224</td>
<td>Puros Allograft Cancellous Block, 10 x 20 x 20 mm</td>
</tr>
<tr>
<td>67225</td>
<td>Puros Allograft Cancellous Dowel, Ø 7 mm, L 14–18 mm</td>
</tr>
<tr>
<td>67226</td>
<td>Puros Allograft Cancellous Dowel, Ø 10 mm, L 16–20 mm</td>
</tr>
</tbody>
</table>

13 Data on file RTI
The proprietary Tutoplast process assures the highest standard of tissue safety and quality with minimal risk of disease transmission. The process preserves the valuable collagen matrix and tissue integrity while inactivating pathogens and gently removing unwanted materials, such as cells, antigens and viruses. The result is safe, biocompatible tissue.

For over 40 years, Tutoplast processed tissues have been safely used in more than three million procedures.
Name of the medicinal product: PUROS® ALLOGRAFT | Composition: Human cancellous tissue (with cortical component in the Puros® Allograft Blend version), preserved using the Tutoplast® process, sterilised by gamma irradiation. | Therapeutic indications: To cover or fill bone defects or to create bony structures in maxillofacial surgery. Therapeutic indications for which positive experience has been reported include the following: Regeneration of periodontal bone defects; Regeneration of furcation defects; Regeneration following cyst resection and apicoectomy; Regeneration of extraction sockets; Regeneration of gaps between the alveolar wall and dental implants; Regeneration of defects following block removal; Regeneration of gaps around block grafts; Horizontal alveolar ridge augmentation (particles); Sinus augmentation; Three-dimensional (horizontal and/or vertical) alveolar ridge augmentation (block augmentation). Further applications have been described in other surgical specialties. | Contraindications: None known. | Undesirable effects (frequency cannot be estimated from the available data): Graft rejection, implant site reaction, graft failure. As with every surgical procedure, there is the possibility of infection due to the procedure itself. | Warnings: Store dry, sunlight protected and not over 30°C. Do not freeze. Discard any unused material; do not resterilise! See also instruction for use. Keep out of reach of children. | General classification for supply: Prescription only. | Further information: see package leaflet. | Date of revision of the text: 07/2017. | Pharmaceutical Entrepreneur: Tutogen Medical GmbH, Industriestraße 6, 91077 Neunkirchen am Brand, Germany | Co-distributor: Zimmer Dental GmbH, Wilhelm-Wagenfeld-Str. 28, D - 80807 München. 

Unless otherwise indicated, as referenced herein, all trademarks are the property of Zimmer Biomet; and all products are manufactured by one or more of the dental subsidiaries of Zimmer Biomet Holdings, Inc., and distributed and marketed by Zimmer Biomet Dental (and, in the case of distribution and marketing, its authorized marketing partners). Puros products are manufactured by RTI Surgical, Inc. Tutoplast is a U.S. Registered trademark owned by Tutogen Medical GmbH. For additional product information, please refer to the individual product labeling or instructions for use. Product clearance and availability may be limited to certain countries/regions. This material is intended for clinicians only and does not comprise medical advice or recommendations. This material may not be copied or reprinted without the express written consent of Zimmer Biomet Dental. ZB0461DE-EN REV A 02/18 ©2017 Zimmer Biomet. All rights reserved.