

## ZenGro™ Xenograft Bone Mineral Supporting Bone Growth

ZenGro is a porous bone mineral consisting predominantly of calcium phosphate with a carbonate apatite structure that acts as a scaffold to aid in bone regeneration.

### ZenGro features:

- Highly porous scaffold that provides space for new bone deposition and vascularization<sup>1</sup>
- Rough surface facilitates cell adhesion and spread for bone in-growth<sup>1</sup>
- High volume fill per unit weight<sup>1</sup>
- Carbonate apatite crystalline structure for better osteoconductivity than hydroxyapatite<sup>2,3,4,5</sup>

### ZenGro can be used for:

- Filling of extraction sockets to enhance preservation of the alveolar ridge
- Augmentation or reconstructive treatment of the alveolar ridge
- Filling of periodontal defects in conjunction with products intended for Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR)
- Elevation of the maxillary sinus floor

**Contact your Southern Implants representative and order today!**

<b>ZGB05ML</b>	Bone matrix	porcine cancellous fine	0.5cc
<b>ZGB1ML</b>	Bone matrix	porcine cancellous fine	1.0cc
<b>ZGB2MLF</b>	Bone matrix	porcine cancellous fine	2.0cc
<b>ZGB4ML</b>	Bone matrix	porcine cancellous fine	4.0cc
<b>ZGB1MLC</b>	Bone matrix	porcine cancellous std	1.0cc
<b>ZGB2MLC</b>	Bone matrix	porcine cancellous std	2.0cc



## ZenGuard™ Resorbable Collagen Membrane Supporting Wound Healing

ZenGuard Resorbable Membrane is a conformable collagen membrane derived from purified porcine peritoneum to aid in wound healing.

### ZenGuard can be used for:

- Augmentation around implants placed in immediate extraction sockets
- Alveolar ridge reconstruction for prosthetic treatment
- Guided bone regeneration in dehiscence defects and periodontal defects

### ZenGuard Resorbable Collagen Membrane features:

- Resorbable in 3-4 months
- Crosslinking process allows for controlled and predictable resorption
- Soft and drapeable, yet high mechanical strength
- Easy to trim dry or hydrated

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<b>ZGM1520</b>	Resorbable collagen membrane	15x20mm
<b>ZGM2030</b>	Resorbable collagen membrane	20x30mm
<b>ZGM3040</b>	Resorbable collagen membrane	30x40mm

1. Li ST, Chen HC, Yuen D. Isolation and Characterization of a Porous Carbonate Apatite from Porcine Cancellous Bone. Science, Technology, Innovation, Aug. 2014:1-13. (data on file)
2. Spense G., Patel N., Brooks R., Rushton N. 2010. Osteoclastogenesis on hydroxyapatite ceramics: the effect of carbonate substitution. J Biomed Mater Res A. 2010 Mar 15;92(4):1292-300.
3. Ellies LG, Carter JM, Natiella JR, Featherstone JDB, Nelson DGA. 1988. Quantitative Analysis of Early In Vivo Tissue Response to Synthetic Apatite Implants. J Biomed Mater Res 22:137-148.
4. Landi E., Celotti G., Logroscino G., Tampieri A. 2003. Carbonated Hydroxyapatite as Bone Substitute. Journal of the European Ceramic Society 23: 2931-2937.
5. Spense G., Patel N., Brooks R., Rushton N. 2009. Carbonate Substituted Hydroxyapatite: Resorption by Osteoclasts Modifies the Osteoblastic Response. Journal of Biomedical Materials Research Part A 217-224.



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