OSTEOGENICS BIOMEDICAL

ZCORE™

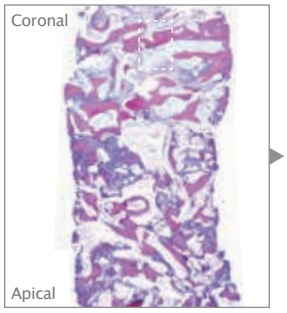
porcine xenograft particulate

Zcore™ is an osteoconductive, porous, anorganic bone mineral with a carbonate apatite structure derived from porcine cancellous bone.

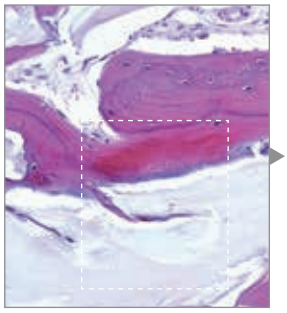
- Interconnecting macroscopic and microscopic porous structure supports the formation and ingrowth of new bone
- 88% to 95% Void Space: hyper-porosity of porcine cancellous matrix and intra-particle space facilitated by rough particle morphology reduce bulk density of the graft, allowing greater empty space for new bone growth*

*0.25 mm – 1.0 mm particle size = 88% void space, 1.0 mm – 2.0 mm = 95% void space

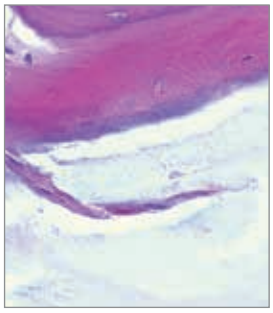
1. Li ST, Chen HC, Yuen D. Isolation and Characterization of a Porous Carbonate Apatite From Porcine Cancellous Bone. Science, Technology, Innovation, Aug. 2014: 1–13.



Magnification x4 Histology of bone core harvested after 5 months of healing following ridge preservation using Zcore™ 0.25–1.0 mm particle size | *H&E staining*



Magnification x20 Vital bone ingrowth into the inter-particle space of Zcore™

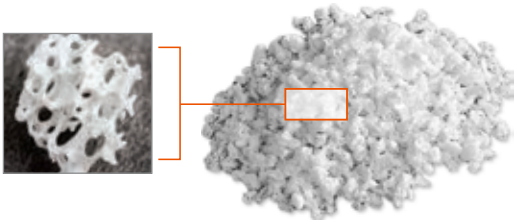


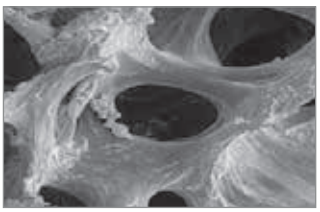
Magnification x40x Case/histology courtesy of Gustavo Avila-Ortîz, DDS, MS, PhD, University of Iowa College of Dentistry, Department of Periodontics

- Proprietary processing steps preserve both interconnecting macroscopic and microscopic porous architecture.

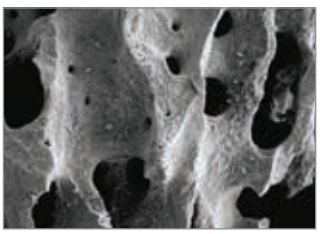
Available Sizes

Zcore™ Porcine Xenograft Particulate *0.25 mm - 1.0 mm Particle Size*	0.5 cc *Part No. ZS050* 1.0 cc *Part No. ZS100* 2.0 cc *Part No. ZS200* 4.0 cc *Part No. ZS400*
Zcore™ Porcine Xenograft Particulate *1.0 mm - 2.0 mm Particle Size*	1.0 cc *Part No. ZL100* 2.0 cc *Part No. ZL200*
Zcore™ Porcine Xenograft Particulate in Syringe *0.25 mm - 1.0 mm Particle Size*	0.25 cc *Part No. ZY025* 0.5 cc *Part No. ZY050*





SEM of Processed Human Bone
Magnification x50



SEM of Zcore™ Porcine Xenograft Particulate
Magnification x50