

## INTRODUCING ZCORE™ *porcine xenograft particulate*



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

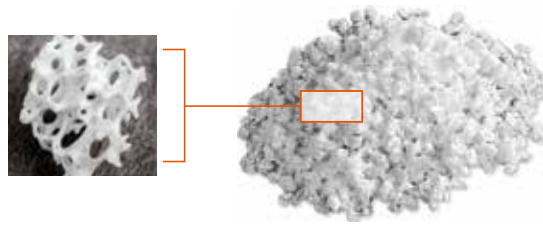
- ▶ *Interconnecting macroscopic and microscopic porous structure supports the formation and ingrowth of new bone*
- ▶ *88% to 95% Void Space: hyper-porosity of porcine cancellous matrix and intra-particle space facilitated by rough particle morphology reduce bulk density of the graft, allowing greater empty space for new bone growth\**
- ▶ *Derived from porcine cancellous bone, eliminating risk of BSE transmission*
- ▶ *Heat treated to an optimal temperature that ensures a degree of crystallinity<sup>1</sup> consistent with native bone mineral to allow for remodeling of the healing bone*

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

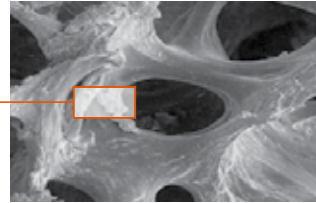
1. Li ST, Chen HC, Yuen D. Isolation and Characterization of a Porous Carbonate Apatite From Porcine Cancellous Bone. Science, Technology, Innovation, Aug. 2014: 1-13.



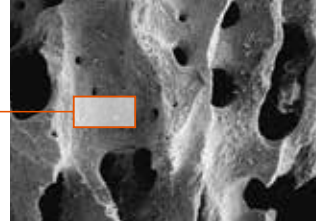
Proprietary processing steps preserve both interconnecting macroscopic and microscopic porous architecture.



SEM of Processed Human Bone  
Magnification x50



SEM of Zcore™ Porcine Xenograft Particulate  
Magnification x50



### 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