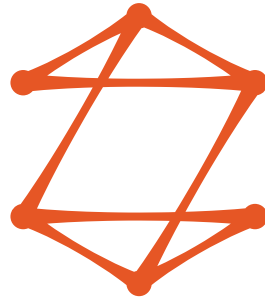


OSTEOGENICS

B I O M E D I C A L



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 any risk of BSE transmission*
- ▶ *Heat treated to an optimal temperature that ensures a degree of crystallinity¹ consistent with native bone mineral to allow for remodeling of the healing bone*

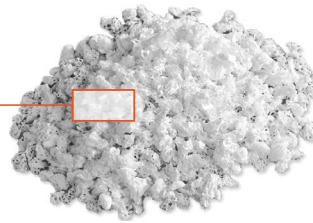
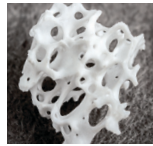
*0.25 mm – 1.0 mm particle size = 88% void space, 1.0 mm – 2.0 mm = 95% void space

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.

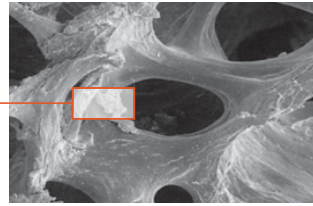
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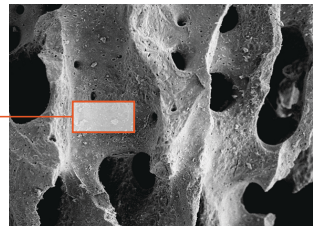
Proprietary processing steps preserve both interconnecting macroscopic and microscopic porous architecture.



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
- 1.0 cc Part No. ZY100