OSTEOGENICS
BIOMEDICAL

# 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 crystallinity[1] consistent with native bone mineral to allow for remodeling of the healing bone*

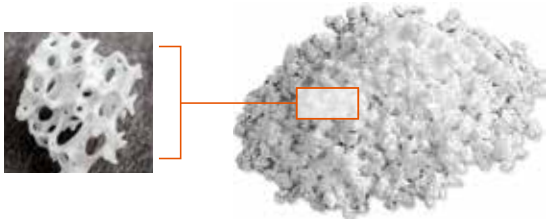
*0.25 mm – 1.0 mm particle size = 88% void space, 1.0 mm – 2.0 mm = 95% void space

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.

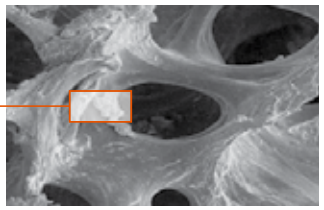
# ZCORE™

*porcine xenograft particulate*

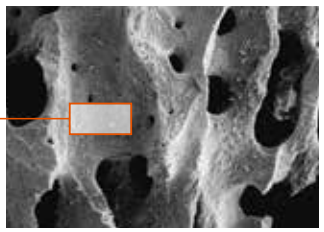
*Proprietary processing steps preserve both interconnecting macroscopic and microscopic porous architecture.*



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* |

Rev 7.15
Zcore™ is manufactured by Collagen Matrix, Inc. | U.S. Patent # 8,980,328 – Method of preparing porous carbonate apatite from natural bone, 2015