

# PENTOS OI™ MAX

100% Allograft  
Hydratable Inductive Matrix

**PentOS OI™ Max** is an osteoinductive matrix - not diluted by any carriers.

Create your customized osteoinductive graft by combining **PentOS OI Max**, a 100% allograft Inductive Collagen Matrix (ICM) with your choice of blood, BMA, PRP, I-PRF or simply saline to form a moldable graft which:

- Is cell friendly
- Independent laboratory in vitro studies show to be able to maintain between 96% and 116% cell viability after 72 hours

## FEATURES AND BENEFITS

- Mixed graft can be extruded through a syringe
- Demonstrated Osteoinductivity
  - Up to 40x native BMP vs the BMP-2 control
  - Each lot histologically demonstrates all 5 elements of bone formation
- Demonstrated Osteoconductivity
- pH balanced – non cytotoxic
- Shown to form bone post-sterilization in-vivo
- Resists copious irrigation
- 5 year shelf life at ambient storage

## APPLICATIONS

- An osteoinductive base for composite graft preparation
- Bone defects and sites requiring a high level of osteoinduction



## REGENERATIVE PROPERTIES



SIGNALS



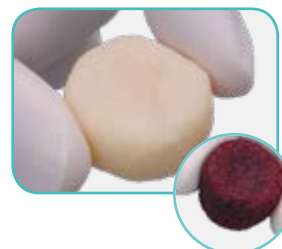
SCAFFOLDS

## AVAILABILITY

Available jar sizes: 0.5 cc, 1 cc & 2.5 cc



Create your own osteoinductive graft



Mixed with saline or blood concentrate

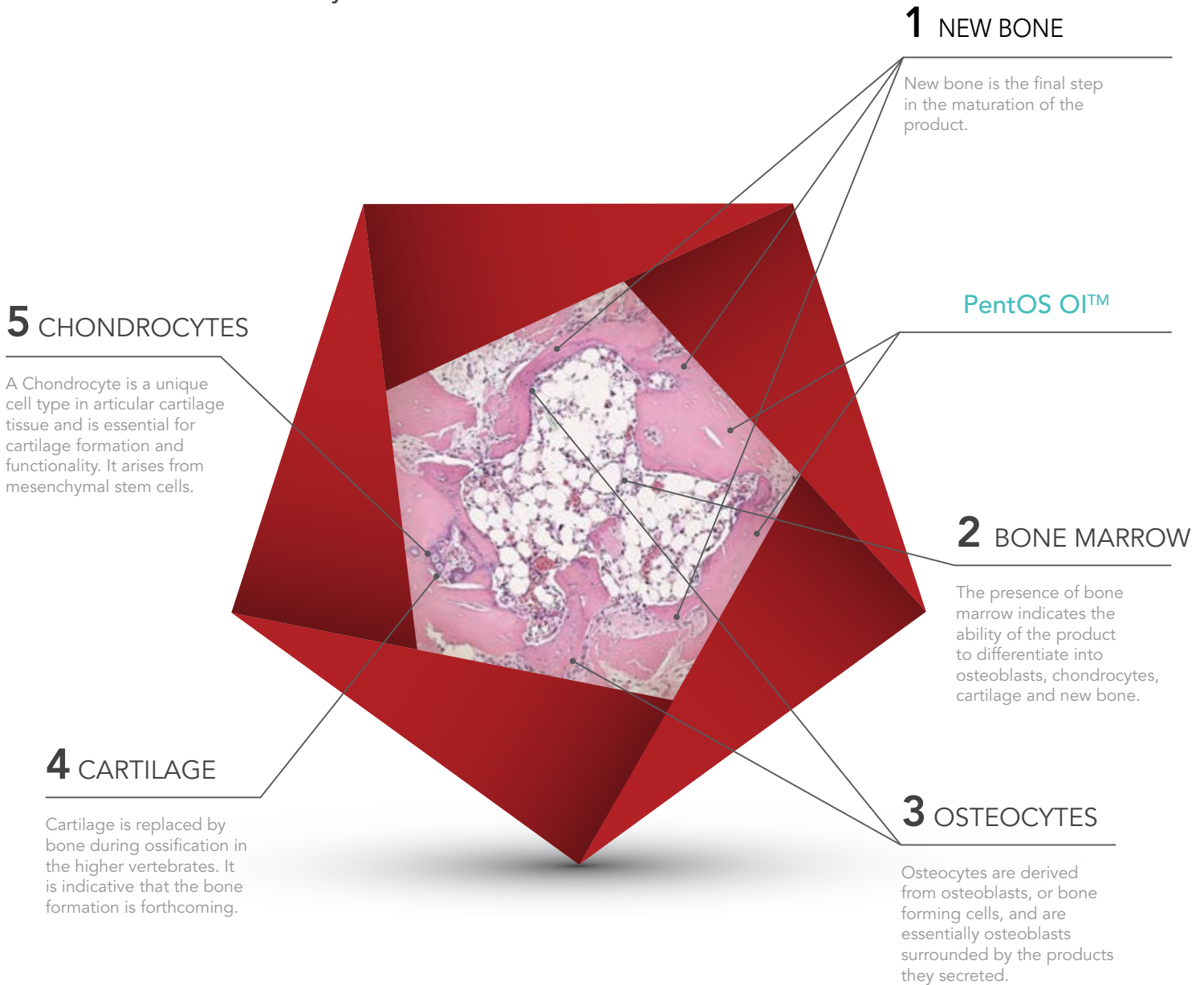


Can be extruded through a syringe

## PENTOS OI™

Proven to form bone

PentOS OI™ allografts must demonstrate all five elements of bone formation before they are released for use.



Post sterilization in-vivo testing on each lot must demonstrate the presence of **new bone, bone marrow, osteocytes, cartilage** and **chondrocytes** within 28 days in an athymic rat model otherwise we don't call it PentOS OI™.

*In-vitro* tests of PentOS OI™ have demonstrated native levels of BMP-2 up to 19 times the native levels in the control.