

APEX

Demineralized Bone Matrix Portfolio



Pinnacle Transplant Technologies™
Improving today. Advancing tomorrow.

APEX DBM

100% Pure Human Bone

All-natural demineralized tissue with no synthetic carriers

- ✓ Biologic scaffold to direct and support bone formation
- ✓ Patient safety ensured through terminal sterilization (SAL 10^{-6})
- ✓ Stored at room temperature for convenient distribution and storage

Bone Graft Extender

Excellent adjuvant to autologous bone graft

Cancellous Chips



Versatile

Multiple volumes accommodate a variety of clinical needs

Cohesive & Conformable

Allows for reliable implantation

Putty



Ready for Use

No prep time required

Precision Placement

Fibrous connection provides superior handling over traditional putty

Fiber



Absorbent

Readily wicks blood, BMA or PRP in minutes

Malleable & Formable

Consistently conforms to fill bone voids

Fiber Putty & Fiber Putty Plus



Fiber Putty Plus

Added cancellous bone provides osteoconductive scaffold

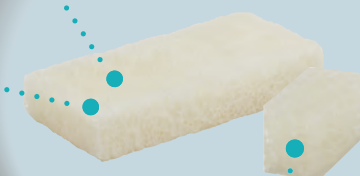
Versatile

Easily mixes with fluid or allograft/autograft for a variety of applications

Easy to Use

Rapid rehydration with blood, BMA or PRP

Sponge Strips & Blocks



Shape Memory

Sponge-like properties maintain integrity upon implantation

Reliable

Will not wash away or migrate

Ordering Information

Product Description	Size	Product Code
APEX DBM Sponge Block	10 x 10 x 10mm	DBM-SBL-10
	12 x 12 x 12mm	DBM-SBL-12
	14 x 14 x 14mm	DBM-SBL-14
APEX DBM Sponge Strip	50 x 10 x 5mm	DBM-SS-10
	26 x 20 x 7mm	DBM-SS-25
	35 x 20 x 7mm	DBM-SS-30
	50 x 20 x 7mm	DBM-SS-35
APEX DBM Cancellous Chips	2cc	DBM-CCH-02
	5cc	DBM-CCH-05
	10cc	DBM-CCH-10
APEX DBM Putty	1cc	DBM-APX-01
	2.5cc	DBM-APX-02
	5cc	DBM-APX-05
	10cc	DBM-APX-10
APEX DBM Fiber	2.5cc	APX-FBR-02
	5cc	APX-FBR-05
	10cc	APX-FBR-10
APEX DBM Fiber Putty	1cc	APX-FP-01
	2.5cc	APX-FP-02
	5cc	APX-FP-05
	10cc	APX-FP-10
APEX DBM Fiber Putty Plus	1cc	APX-FPP-01
	2.5cc	APX-FPP-02
	5cc	APX-FPP-05
	10cc	APX-FPP-10



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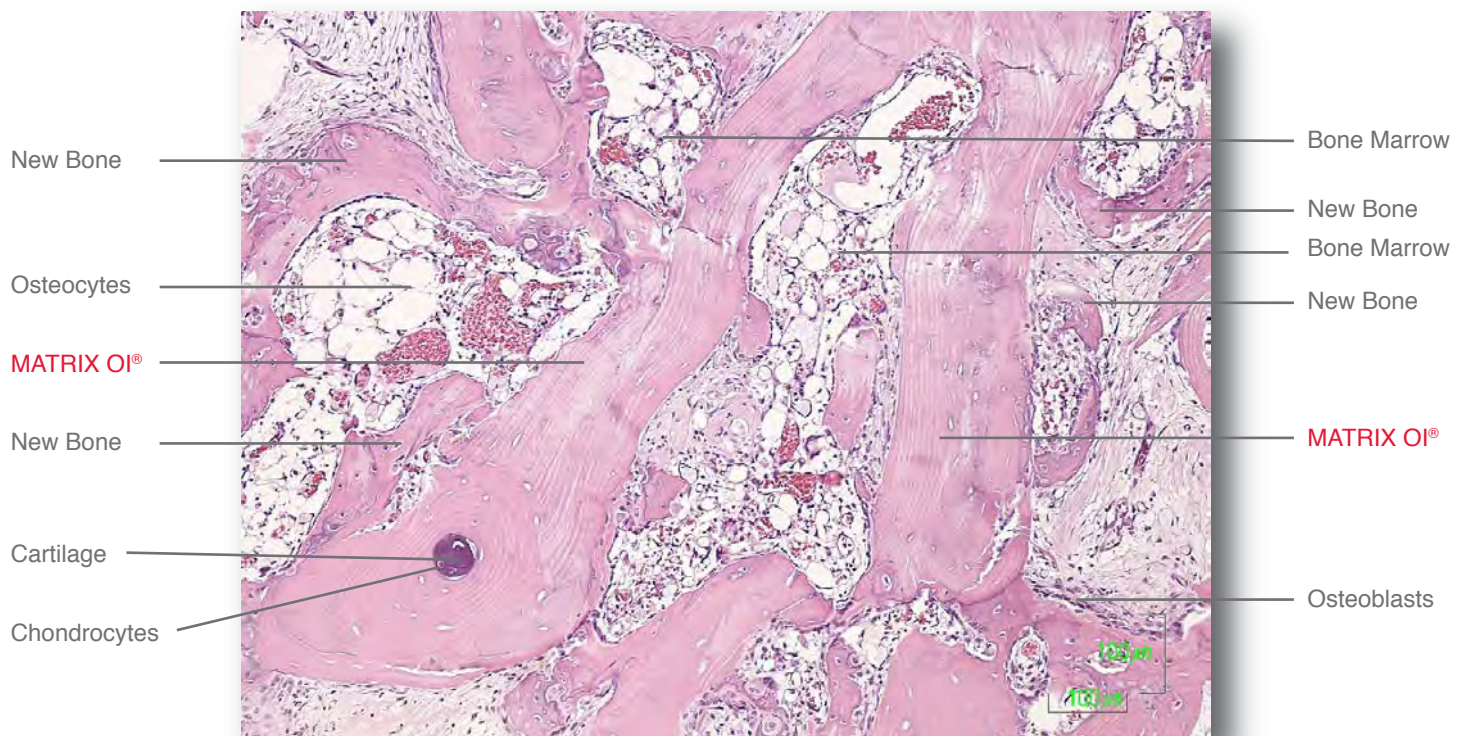
For more information, visit
PinnacleTransplant.com

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Matrix OI®

Fusion Matters

Matrix OI® is a compressible
Stem Cell Containment™ matrix
derived from 100% human bone.



Matrix OI® Histology

Each lot of Matrix OI® is tested for osteoinductivity post sterilization in-vivo for 28 days in an athymic rat to ensure the presence of bone morphogenetic proteins. BMP's promote mesenchymal (BMA) cells to differentiate into chondrocytes and osteoblasts that lead to bone formation. Preserved native BMP's provide for an unparalleled osteoactive grafting material.



CELLRIGHT[®]

TECHNOLOGIES

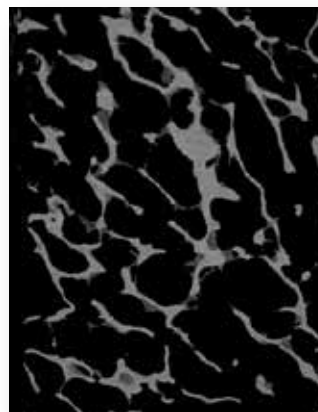
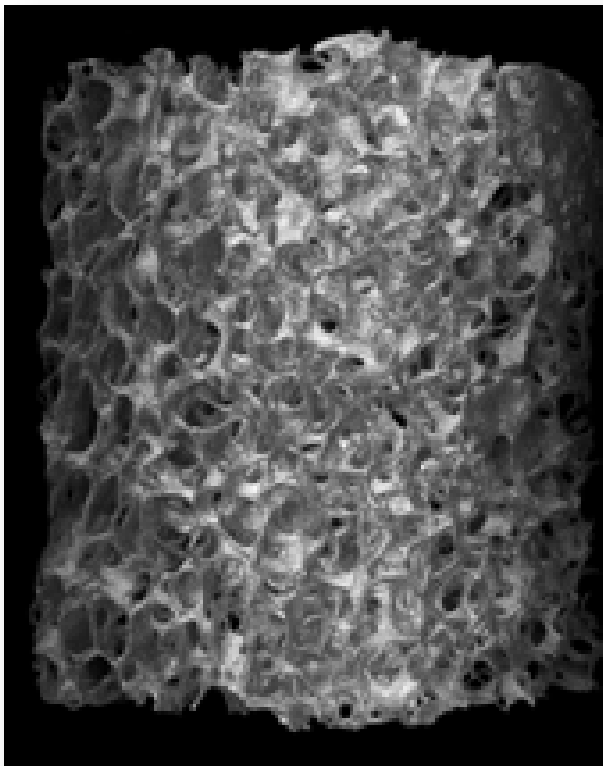
SCIENCE AND REGENERATIVE MEDICINE

CellRight Technologies[®] is a biotech company that specializes in regenerative medicine and is dedicated to the development of innovative osteobiologic and wound care scaffolds that enhance healing opportunities of defects created by trauma and disease.

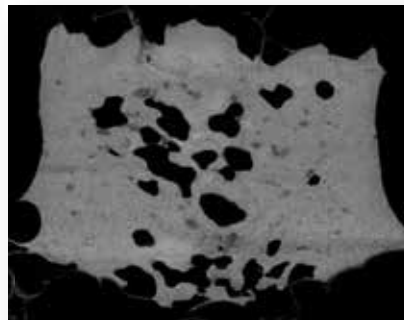
Our goal is to continually develop exceptional human biologic matrices that accelerate neovascularization and cell infiltration of damaged tissues for spine, orthopedic, foot & ankle, trauma, reconstruction, craniomaxillofacial, and dental surgical procedures.

MATRIX OI[®]

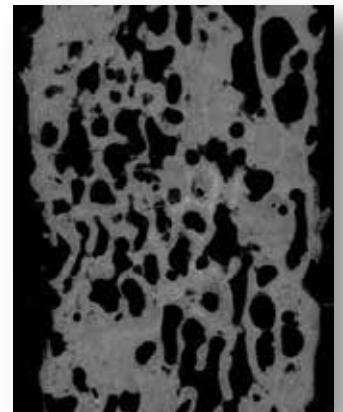
MICRO CT SCAN IMAGES



UNHYDRATED



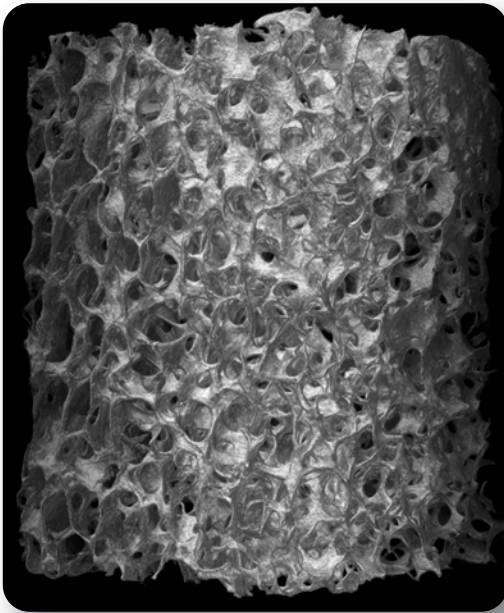
STEM CELL HYDRATED
COMPRESSED



STEM CELL
HYDRATED

"It doesn't matter how great your cell is, if you don't deliver it with the right carrier with appropriate cell-friendly characteristics, cells will not likely survive after implantation."

*Wellington K. Hsu, MD, Professor of Orthopaedic Surgery at Northwestern University's Feinberg School of Medicine
Interest in Using Stem Cells in Spinal Surgery Increasing, AAOS Now, Sept 2014*



Matrix OI® Micro CT Scan

Matrix OI® is processed using CellRight Technologies® next-generation proprietary processing method that maintains the interconnected structure of trabecular bone in a manner that preserves native bone morphogenic proteins. It allows the clinician to hydrate it with the patient's own stem cells, BMA, growth factors, PRP, or other cellular components in accordance with a physicians well-informed medical judgment.

Matrix OI® is indicated for homologous use in cervical and lumbar spine, scoliosis, lateral gutters, orthopedics, bone voids, recon, CMF, non-unions, foot and ankle, and dental procedures. When hydrated, Matrix OI® is a compressible scaffold that will contour with the defect.

SUPERIOR CHARACTERISTICS

Osteoinductive - each lot is in-vivo tested

Osteoconductive

Sterile - sterility assurance level of 10^{-6}

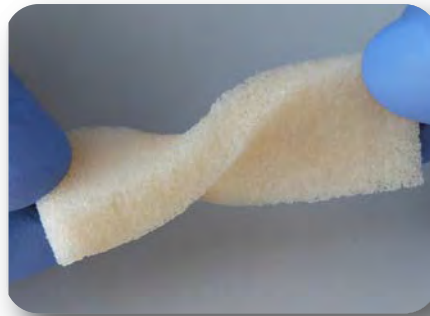
Five-year shelf life

Ambient storage and shipping temperatures

Resists migration

Hydrates in minutes

Available in custom sizes



MATRIX OI® - STRIP

Sizes available

50 x 20 x 7 mm

50 x 10 x 7 mm

26 x 19 x 7 mm

Other sizes available
upon request

MATRIX OI® - FILLER

Sizes available

2.5 cc

5 cc

10 cc

15 cc



MATRIX OI® - BLOCK

Sizes available

10 mm³

12 mm³

14 mm³



CELLRIGHT
TECHNOLOGIES

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www.cellrighttechnologies.com

MatrixCollect® 100 is provided with a medical device Sterility Assurance Level (SAL) 10^{-6} . The product should be stored at room temperature (15°C - 30°C), and has a shelf life of two-years from the date of packaging.



CellRight Technologies® employs strict quality assurance and quality control procedures to ensure patient safety.

CellRight's medical director, a licensed physician, performs an extensive medical review of the donor's medical/social history to determine eligibility. Only donors whose screening, serologic, and microbiologic tests meet or exceed the current standards established by the Food and Drug Administration (FDA) and the American Association of Tissue Banks (AATB) are accepted for transplantation.

MatrixCollect® 100 is indicated for homologous use for the treatment of surgically created or traumatic skeletal defects.

MatrixCollect® 100 may be used in surgical procedures

including:

- Spine
- Neuro
- Orthopedics
- Trauma
- Reconstruction
- Foot & Ankle
- Dental



SIZES AVAILABLE

Syringe or Jar

1.0 cc
2.5 cc
5.0 cc
10 cc



FEATURES AND BENEFITS

Osteoinductive - each lot is assayed
Osteoconductive
Sterile - Sterility Assurance Level (SAL) of 10^{-6}
Two-year shelf life
100% bone - no additional carrier
Room temperature storage
Resists irrigation
Available in syringe or jar



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