

Regeneration Products Catalog

osteogenics.com



Ordering

Our customer service professionals are available from 7 AM to 7 PM CST, Monday through Thursday, and 7 AM to 5 PM CST on Fridays. Orders may be placed by the following methods:

1.888.796.1923 (US & Canada only)
+1 806.796.1923
806.796.0059
sales@osteogenics.com
www.osteogenics.com
Osteogenics Biomedical, Inc.
4620 71st Street Building 78-79
Lubbock, TX 79424

Shipping

Orders placed by 5 PM CST will be shipped the same day unless specified otherwise by your customer service professional. Standard shipping is 2nd Day delivery with UPS. Due to our volume discounts with UPS, our 2nd Day rate is usually less than standard ground shipping and assures better tracking and customer support. Overnight delivery is available at discounted rates as well.

Payment

We make it easy for you. We accept all major credit cards, or domestic orders may choose payment terms of Net 15. All payments are in US Dollars.

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New Items Available

Pricing

Prices are subject to change. However, we will make every effort to notify you in advance of a change. We offer the following discounts on bulk purchases:

Buy 5, Get 1 FREE* on all products except Cytoplast[™] PTFE Suture.
Buy 10 Boxes, Get 1 FREE on Cytoplast[™] PTFE Suture.

*Mixing and matching different products is permitted; the least expensive product will be credited as free.

Availability

We know how frustrating back-orders are, so we carry enough inventory to ensure that, statistically, we have your product on hand 99% of the time. In the event of a back-order, we will notify you at the time of your order and give you an estimated ship date.

Satisfaction Assurance

If you are not completely satisfied with our products, call us and we will arrange for a replacement, exchange, or refund. Unopened boxes may be returned within 30 days from the invoice date for a full refund. Opened boxes may be returned for product exchange within 90 days of the invoice date. Call customer service at 1.888.796.1923 for return authorizations.

Unique Features of enCore® 70|30 Combination Allograft

Tested twice to ensure its osteoinductivity

 Pre-sterilization *in vitro* BMP-2 assay
 Prior to packaging and terminal sterilization, every lot is tested for a minimum threshold of BMP-2
 All lots that fail to meet the threshold are discarded.

enCore®

Allografts

 Post-sterilization *in vivo* osteoinductivity verification Every lot undergoes a final *in vivo* post-sterilization test to verify its osteoinductive potential

Best practices in safety

- Tissue processed by Allotech, an FDA-registered and AATB accredited tissue bank
- \cdot Single donor per lot
- \cdot Terminally sterilized by low-dose e-beam irradiation to a sterility assurance level of $10^{.6}$



86% vital bone 14% residual graft 51% bone, 49% Marrow

Histology by Michael Rohrer, DDS, MS University of Minnesota







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A synergistic combination

 \cdot Combines the synergistic characteristics of slowly resorbing, space-maintaining mineralized cortical bone with osteoinductive demineralized matrix to provide an optimized environment for the regeneration of vital bone

Chair-side efficiency

- 70/30 combination graft is pre-mixed to reduce inventory and reduce chair-side preparation
- Double-sterile packaged for aseptic presentation in the surgical field

enCore® 70|30 Combination Allograft (FDBA & DFDBA) 70% Mineralized Cortical Allograft and 30% Demineralized Allograft

.25 mm - 1.0 mm Particle Size

<i>C73050</i>	0.5 cc
<i>C73100</i>	1.0 cc
C73150	1.5 cc
C73250	2.5 cc

enCore[®] 50|50 Cortical & Cancellous Allograft 50% Mineralized Cortical Allograft and 50% Mineralized Cancellous Allograft

0.5 mm - 1.25 mm Particle Size

СМ55050	0.5 cc
CM55100	1.0 cc
CM55150	1.5 cc
СМ55250	2.5 cc

enCore[®] OD 30|70 Cortical & Cancellous Allograft 30% Mineralized Cortical Allograft and 70% Mineralized Cancellous Allograft

0.25 mm - 1.0 mm Particle Size

OD37050	0.5 cc
OD37100	1.0 cc
OD37250	2.5 cc

enCore[®] Mineralized Cortical Allograft

.25 mm - 1.0 mm Particle Size

SMIN050	0.5 cc
SMIN100	1.0 cc
SMIN150	1.5 cc
SMIN250	2.5 cc

1.0 mm - 2.0 mm Particle Size

0.5 cc **MIN050** MIN100 1.0 cc













Porcine Xenograft Particulate



Zcore™ Porcine Xenograft Particulate

.25 mm - 1.0 mm Particle Size

ZS050	0.5 cc
ZS100	1.0 cc
ZS200	2.0 cc
ZS400	4.0 cc

Zcore[™] Porcine Xenograft Particulate

1.0 mm - 2.0 mm Particle Size

ZL100	1.0 cc
ZL200	2.0 cc

Zcore[™] Porcine Xenograft Particulate in Syringe

.25 mm - 1.0 mm Particle Size

ZY025	0.25 cc
ZY050	0.5 cc







Features & Benefits of Zcore™

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

Interconnecting pores

Interconnecting macroscopic and microscopic porous structure supports the formation and ingrowth of new bone

88% to 95% void space

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*

Porcine cancellous bone

Derived from porcine cancellous bone, eliminating risk of BSE transmission

Processed using minimal heat

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

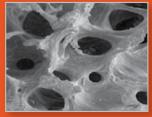
 $^{*}0.25$ mm – 1.0 mm particle size = 88% void space, 1.0 mm – 2.0 mm = 95% void space

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.

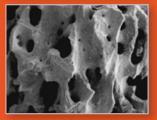




SEM of Processed Human Bone Magnification x50



SEM of Zcore™ Porcine Xenograft Particulate Magnification x50



NovaBone® Dental Putty & NovaBone® Morsels



The synthetic solution to bone regeneration

NovaBone® Putty in Cartridges

Cartridges

NA4640	0.25 cc	(4 per box)
NA3620	0.5 cc	(2 per box)
NA3660	0.5 cc	(6 per box)

Cartridge Applicator Gun

NA4600

(Fits all cartridges)

NovaBone® Putty in Syringes

NA1610	0.5 cc
NA1611	1.0 cc
NA1612	2.0 cc



NovaBone® Morsels in Trays

NovaBone® Morsels is a particulate product made up of a crystalline composite calcium phosphosilicate (CPS). The particle size ranges from 0.5 mm – 1.0 mm with pore sizes ranging from 0.05 mm – 0.10 mm. The pore size results in slow and sustained resorption that is completed over a 12–18 month period. The morsels have an "osteostimulative" effect similar to NovaBone® Dental Putty.

EU0820	1.3 cc
EU0822	4.0 cc

(2 per box) (2 per box)



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Unique Formulation of NovaBone® Dental Putty

NovaBone® Putty is 100% synthetic and fully resorbable. It is composed of calcium phosphosilicate (CPS) particles in a bimodal size distribution combined with a polyethylene glycol and glycerine binder. The binder improves handling and aids in maintaining the space between the particles, which facilitates revascularization after implantation. The bioactive CPS component makes up 70% of the putty by volume. Upon implantation, the water soluble binder is absorbed within 24 to 72 hours, creating a 3-dimensional porous scaffold that facilitates diffusion of blood and tissue fluids through the matrix. The smaller CPS particles (32-125 μ m) are more rapidly resorbed, providing the initial burst of Ca and P ions. Subsequently, the larger particles (90-710 μ m) react, and being more resistant to resorption, continue the process of bone regeneration.

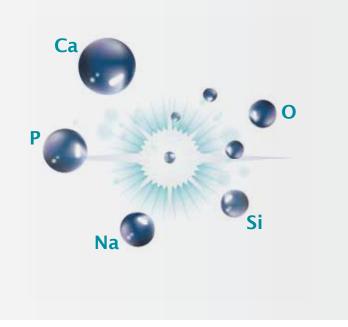
Osteostimulative & Osteoconductive

Unlike most synthetic grafts that are only osteoconductive, bioactive NovaBone® Putty also has an "osteostimulative" effect. After implantation, surface reactions result in absorption of the graft material, a controlled release of Si, Ca, and P ions, and concurrent new bone formation. These surface reactions result in an osteostimulative effect, defined as the stimulation of osteoblast proliferation *in vitro* as evidenced by increased DNA content and elevated osteocalcin and alkaline phosphatase levels. *In vitro* gene array analysis has confirmed that when human primary osteoblasts are exposed to extracts of CPS, upregulation of several gene families occurs.

Superior Delivery System & Handling

NovaBone® Putty is available in multiple delivery options: trays, pre-filled syringes, and a unique industry-first cartridge delivery system. NovaBone® is the only graft material in the world that is available in disposable uni-dose cartridges. The cartridges simplify dispensing of the graft, especially in hardto-reach areas, thus facilitating minimally invasive techniques (and hard-to-access defects such as gaps in immediate implant placement and crestal-approach sinus lifts). Cartridges are available in various sizes and are used in conjunction with NovaBone®'s cartridge delivery system; each cartridge holds 0.25 to 0.5 cc's of putty.

NovaBone® Putty significantly simplifies bone graft handling and delivery. It is ready to use and extremely user friendly. It is pre-mixed, cohesive, moldable, and adaptable. NovaBone® Putty is stable at room temperature, does not require refrigeration, has a 4-year shelf-life, and appears radiodense on radiographs.





Cytoplast[™] RTM Collagen

Type I bovine collagen membrane

shown actual size.





15 mm x 20 mm RTM1520 (2 membranes per box)

20 mm x 30 mm RTM2030 (2 membranes per box)

30 mm x 40 mm *RTM3040 (2 membranes per box)*

Reconstituted fiber construction allows tissue ntegration, while preventing lirect passage of epithelial cells.

"...I am impressed with its *handling*, but most importantly, I am impressed with its *results*."

Jerald Rosenberg, DMD; Periodontist

Features & Benefits

Manufactured from highly purified type I bovine achilles tendon

Safe for the patient

26 - 38 week resorption time

Long predictable resorption time limits the risk of particle loss due to premature resorption

High tensile strength

You can suture or tack the membrane in place without tearing

Cell occlusive Prevents epithelial down growth

Optimized flexibility

Stiff enough for easy placement, yet easily drapes over ridge

Cytoplast™ RTMPlug, RTMFoam, & RTMTape

Absorbable Wound Dressing | Type I & Type III bovine collagen



shown actual size.

RTMPlug 1 cm x 2 cm RTMPLUGI0 (10 per box)

RTMFoam 2 cm x 4 cm (3 mm thick) RTMFOAM10 (10 per box)

RTMTape 2.5 cm x 7.5 cm (1 mm thick) RTMTAPE10 (10 per box)



Vitala®

Porcine pericardium collagen membrane | Substantially resorbed in 26 weeks

shown actual size.

10 mm x 10 mm viтioio





15 mm x 20 mm

13 mm x 25 mm VITI 325

20 mm x 30 mm

30 mm x 40 mm *VIT3040*



1000x magnification

Excellent tensile strength

Supple and flexible

Features & Benefits

Natural

Manufactured using a proprietary protocol designed to maintain the natural, microporous, 3-layered architecture of the tissue without the need for cross-linking chemicals and agents

Durable

Designed to resist tearing during placement, Vitala® is naturally strong

Adaptable

The natural collagen structure provides a unique combination of supple handling and ideal defect adaptability. Because both sides are smooth, either side may be placed against the defect

Zmatrix™

Porcine peritoneum collagen membrane



A perfectly soft consistency that drapes without the usual selfadherence experienced with other natural collagen membranes

shown actual size.

15 mm x 20 mm ZM1520

20 mm x 30 mm ZM2030

30 mm x 40 mm _{ZM3040}



Features

Extracellular Components

Processed to preserve extracellular components including laminin, fibronectin, elastin, and glycosaminoglycans*

Easy to Handle

Designed to drape without adhering to itself

Elastic

Natural peritoneum collagen structure allows for elasticity

Natural, Native Collagen Membrane

Zmatrix[™] is a natural, native collagen membrane; cross-linking chemicals and agents are unnecessary. Proprietary processing technology allows preservation of collagen as well as extracellular components including laminin, fibronectin, elastin, and glycosaminoglycans.*

*Hoganson DM, Owens GE, O'Doherty EM, Bowley CM, Goldman SM, Harilal DO, Neville CM, Kronengold RT, Vacanti JP. Preserved extracellular matrix components and retained biological activity in decellularized porcine mesothelium. Biomaterials. 2010, 27: 6934–6940.

Cytoplast[™] Technique

Ridge preservation without primary closure | U.S. Patent # 6,019,764

Ridge Preservation Kit: Cytoplast™ Technique

KITRPCT

- (1) 0.5 cc enCore® 70/30 Combination Allograft
- (1) Cytoplast[™] TXT-200 Single dPTFE membrane
- (1) Cytoplast™ PTFE suture: USP 3/0; 16 mm RC needle



1. Preoperative view. To maximize the result of ridge preservation procedures, techniques designed to minimize trauma to the alveolar bone, such as the use of periotomes and surgical sectioning of ankylosed roots should be considered.

2. All soft tissue remnants should be removed with sharp curettage. Special care should be taken to remove all soft tissue at the apical extent of the socket of endodontically treated teeth. Bleeding points should be noted on the cortical plate. If necessary, decortication of the socket wall should be done with a #2 round burr to improve blood supply.

3. A subperiosteal pocket is created with a micro periosteal elevator or small curette, extending 3-5 mm beyond the socket margins on the palatal and the facial aspect of the socket. In the esthetic zone, rather than incising and elevating the interdental papilla, it is left intact and undermined in a similar fashion. The Cytoplast[™] high-density PTFE membrane will be tucked into this subperiosteal pocket.

4. Particulate graft material can be placed into the socket with a syringe or with a curette. Ensure that the material is evenly distributed throughout the socket. However, the particles should not be densely packed to preserve ample space for blood vessel ingrowth.

5. The Cytoplast[™] high-density PTFE membrane is trimmed to extend 3-5 mm beyond the socket walls and then tucked subperiosteally under the palatal flap, the facial flap and underneath the interdental papilla with a curette. The membrane should rest on bone 360° around the socket margins, if possible. Note that minimal flap reflection is necessary to stabilize the membrane.

6. Ensure that there are no folds or wrinkles in the membrane and that it lies passively over the socket. To prevent bacterial leakage under the membrane, take care to avoid puncturing the membrane, and do not overlap two adjacent pieces of membrane material.

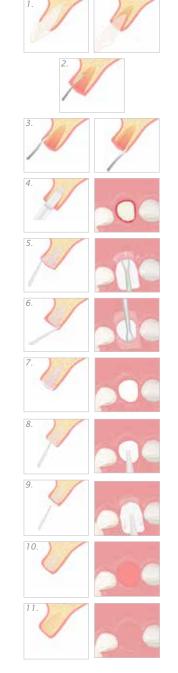
7. The membrane is further stabilized with a criss-cross Cytoplast[™] PTFE suture. Alternatively, interrupted sutures may be placed. The PTFE sutures, which cause minimal inflammatory response, are left in place for 10 to 14 days.

8. The membrane is removed, non-surgically, in 21 to 28 days. Sockets with missing walls may benefit from the longer time frame. Topical anesthetic is applied, then the membrane is grasped with a tissue forcep and removed with a gentle tug.

9. Studies have shown that by 21-28 days there is a dense, vascular connective tissue matrix in the socket and early osteogenesis is observed in the apical 2/3 of the socket.

10. Immediately following membrane removal, a dense, highly vascular, osteoid matrix is observed. The natural position of the gingival margin has been left intact because primary closure was not necessary. The dense PTFE membrane has contained the graft material and prevented epithelial migration into the socket.

11. The socket at 6 weeks. Keratinized gingiva is beginning to form over the grafted socket. The natural soft tissue architecture is preserved, including the interdental papillae. New bone is beginning to form in the socket. Over the next 6 to 10 weeks, increasing thickness of trabeculae and mineralization will result in load bearing bone suitable for implant placement.



Cytoplast™ TXT-200 & TXT-200 Singles

Micro-textured, high-density PTFE membrane

Most popular membrane for socket grafting **TXT-200 Singles** 12 mm x 24 mm TXT1224-1 (1 membrane per box)

TXT1224 (10 membranes per box)

shown actual size.





TXT-200 25 mm x 30 mm TXT2530-1 (1 membrane per box)

TXT2530 (4 membranes per box)



Non-Resorbable

Won't resorb prematurely - you dictate healing time

100% Dense (non-expanded) PTFE

Impervious to bacteria (pore size less than 0.3 µm) Data on file

Purposely leave the membrane exposed

Preservation of the soft tissue architecture and keratinized mucosa

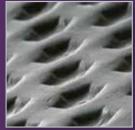
Soft tissue attaches, but doesn't grow through the membrane

Exposed membrane allows for non-surgical removal; no anesthesia required

Hexagonal dimples increase surface area

Designed to increase membrane stabilization





"I always know, *in advance*, the results of my bone grafting when I use Cytoplast™ TXT-200 as a membrane. Why bother with other membranes?"

Mark Cohen, DDS; Periodontist

Cytoplast[™] Titanium-Reinforced

Titanium-reinforced, high-density PTFE membrane

	Ti-250 (250 µm thick)	Ti-150 (150 µm thick)		Versatile Rectangular Shapes
				These configurations can be trimmed to fit a variety of defects.
				Shown actual size.
ANL 12 mm x 24 mm	Ti250ANL-1	Ti150ANL-1	(1 membrane per box)	
Designed for narrow single-tooth extraction sites, especially where	Ti250ANL-2	Ti150ANL-2	(2 membranes per box)	
one bony wall is missing				
ANL30 12 mm x 30 mm	Ti250ANL30-1		(1 membrane per box)	
Designed for narrow single-tooth extraction sites, especially where one bony wall is missing	Ti250ANL30-2		(2 membranes per box)	
PS				
20 mm x 25 mm	Ti250PS-1 Ti250PS-2	Ti1 50PS-1 Ti1 50PS-2	(1 membrane per box) (2 membranes per box)	- Spec
Designed for large extraction sites and limited ridge augmentation				
augmentation				
PL 25 mm x 30 mm	Ti250PL-1	Ti150PL-1	(1 membrane per box)	200
Designed for large bony defects, including ridge augmentation	Ti250PL-2	Ti150PL-2	(2 membranes per box)	
menuany nage augmentation				



*Ti-150 membranes are 40% thinner than Ti-250 membranes, providing clinicians another handling option in Cytoplast™ Titanium-Reinforced Membranes.

	Ti-250 (250 µm thick)	Ti-150 (150 µm thick)		Versatile Rectangular Shapes
				These configurations can be trimmed to fit a variety of defects. Shown actual size.
XL 30 mm x 40 mm	Ti250XL-1	Ti150XL-1	(1 membrane per box)	
Designed for very large bony defects, including ridge augmentation	Ti250XL-2	Ti150XL-2	(2 membranes per box)	
XLK	Ti250XLK-1	Ti150XLK-1	(1 membrane per box)	
30 mm x 40 mm Designed for very large bony defects, including ridge augmentation	Ti250XLK-2	Ti150XLK-2	(2 membranes per box)	
augmentation				
K2 40 mm x 50 mm	Ti250K2-1	Ti150K2-1	(1 membrane per box)	
Designed for the largest bony defects, including ridge	Ti250K2-2	Ti150K2-2	(2 membranes per box)	
augmentation				

Cytoplast[™] Titanium-Reinforced

Titanium-reinforced, high-density PTFE membrane

	Ti-250 (250 µm thick)	Ti-150 (150 µm thick)		Interproximal Shapes
				These configurations are designed to fit between existing teeth. Dimensional measurements shown in mm Width measurements noted at widest point and narrowest point. Shown actual size.
AS 14 mm x 24 mm Designed for single-tooth extrac- tion sites, especially where one or more bony walls are missing	Ti250AS-1 Ti250AS-2	Ti 1 50AS-1 Ti 1 50AS-2	(1 membranes per box) (2 membranes per box)	<u>14</u> 10 24
ATC 24 mm x 38 mm Designed for large extraction sites, including ridge augmentation	Ti250ATC-1 Ti250ATC-2	Ті1 50АТС-1 Ті1 50АТС-2	(1 membranes per box) (2 membranes per box)	<u>24</u> <u>14</u> 38
PTC 38 mm x 38 mm Designed for large bony defects, including ridge augmentation	Ti250PTC-1 Ti250PTC-2	Ті 1 50РТС-1 Ті 1 50РТС-2	(1 membranes per box) (2 membranes per box)	38 27 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PD 38 mm x 38 mm Designed for large bony defects, including distal extension of the posterior ridge	Ti250PD-1 Ti250PD-2	Ti 1 50PD-1 Ti 1 50PD-2	(1 membranes per box) (2 membranes per box)	38 31 31 32 33 33 38 38 38 38 38

Cytoplast[™] Titanium-Reinforced

Titanium-reinforced, high-density PTFE membrane

Ti-250

	Ti-250 (250 µm thick)	Ti-150 (150 µm thick)		Shapes with Fixation Points
				These configurations are designed with fixation points outside of the defect area.
				Dimensional measurements shown in mm Width measurements noted at widest point and narrowest point. Shown actual size.
				<u> </u>
BL 17 mm x 25 mm	Ti250BL-1	Ti150BL-1	(1 membranes per box)	25
Designed for large buccal defects	Ti250BL-2	Ti150BL-2	(2 membranes per box)	
				17
PST 36 mm x 25 mm	Ti250PST-1	Ti1 50PST-1	(1 membranes per box)	
Designed for large extraction sites and limited ridge augmenta- tion in the anterior maxilla	Ti250PST-2	Ti150PST-2	(2 membranes per box)	25
				36
PLT 41 mm x 30 mm	Ti250PLT-1	Ti150PLT-1	(1 membranes per box)	25
Designed for large bony defects, including ridge augmentation in the anterior maxilla	Ti250PLT-2	Ti1 50PLT-2	(2 membranes per box)	30

AP 13 mm x 19 mm Designed for periodontal defects in the anterior

PP

13 mm x 18 mm Designed for periodontal defects in the posterior

(250 µm thick)		
		These configurations are designed for grafting perio defects.
		Shown actual size.
Ti250AP-1	(1 membranes per box)	
Ti250AP-2	(2 membranes per box)	
Ti250PP-1	(1 membranes per box)	and the second second
Ti250PP-2	(2 membranes per box)	

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Perio Shapes





Versatile Rectangular Shapes These configurations can be trimmed

to fit a variety of defects. Shown actual size.

· PS

20 mm x 25 mm Designed for large extraction sites and limited ridge augmentation

· PL

25 mm x 30 mm Designed for large bony defects, including ridge augmentation

·XL

30 mm x 40 mm Designed for very large bony defects, including ridge augmentation

· XLK

30 mm x 40 mm Designed for very large bony defects, including ridge augmentation

· XLKM (mandible)

30 mm x 40 mm Designed for very large bony defects, including mandibular ridge augmentation NOTE: Non-perforated region is designed for lingual aspect

RPM250PS

RPM250PL

RPM250XL





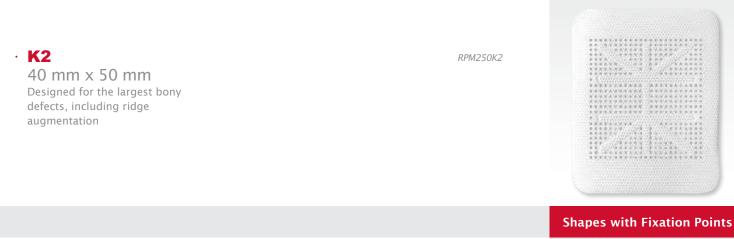


RPM250XLKM



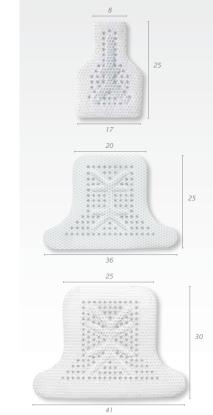
RPM's unique circular macroporous design allows for direct contact between the bone graft and periosteum, allowing naturally occurring revascularization and infiltration of cells into the bone graft.

Versatile Rectangular Shapes



These configurations are designed with fixation points outside of the defect area.

Dimensional measurements shown in mm Width measurements noted at widest point and narrowest point. Shown actual size.



· BL

17 mm x 25 mm Designed for large buccal defects

· PST

36 mm x 25 mm Designed for large extraction sites and limited ridge augmentation in the anterior maxilla

· PLT

41 mm x 30 mm Designed for large bony defects, including ridge augmentation in the anterior maxilla RPM250BL

RPM250PST

RPM250PLT



Interproximal Shapes

These configurations are designed to fit between existing teeth.

Dimensional measurements shown in mm Width measurements noted at widest point and narrowest point. Shown actual size.



. **ATC**

24 mm x 38 mm Designed for large extraction sites, including ridge augmentation

· ATCM (mandible)

24 mm x 38 mm Designed for large extraction sites, including mandibular ridge augmentation NOTE: Non-perforated region is designed for lingual aspect

· PTC

38 mm x 38 mm Designed for large bony defects, including ridge augmentation

· **PTCM** (mandible)

38 mm x 38 mm Designed for large bony defects, including mandibular ridge augmentation NOTE: Non-perforated region is designed for lingual aspect RPM250ATCM

RPM250ATC

RPM250PTC

RPM250PTCM



Interproximal Shapes

These configurations are designed to fit between existing teeth.

Dimensional measurements shown in mm Width measurements noted at widest point and narrowest point. Shown actual size.



bone graft and periosteum, allowing naturally occurring revascularization and infiltration of cells into the bone graft

> Titanium Frame maintains space essential for horizontal and vertical ridge augmentation

> **PTFE Mesh** easily conforms to tissue contours

· PD

38 mm x 38 mm Designed for large bony defects, including distal extension of the posterior ridge

· **PDMR** (mandible right)

38 mm x 38 mm Designed for large bony defects, including distal extension of the right posterior mandibular ridge NOTE: Non-perforated region is designed for lingual aspect

PDML (mandible left)

38 mm x 38 mm Designed for large bony defects, including distal extension of the left posterior mandibular ridge NOTE: Non-perforated region is designed for lingual aspect

Circular Macropores allow direct contact between

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RPM250PDMR

RPM250PDML

RPM250PD



25 mm x 34 mm

Osteo-Mesh[™] TM-300

Titanium nitride-coated mesh

45 mm x 45 mm TM4545 (provided non-sterile)

shown actual size.

Pore size of 0.5 mm contains graft material while allowing tissue ingrowth. Features & Benefits

Ultra-thin; 0.2 mm thick Easier to get primary closure

0.5 mm pore size Contains most graft materials

Safe, highly inert, non-reactive, non-stick nitride coating

- · Improves tissue release upon removal
- High coating density with no pores to hold contaminants
- · Will not stain or corrode
- Withstands acids, bases, solvents, and high temperatures
- · Outstanding wear resistance

Repeatedly sterilized by autoclave

Unused portions are not wasted

Cytoplast[™] PTFE Suture

The soft monofilament suture

300 Series Stainless Steel Needles

All Cytoplast™ PTFE Sutures now have 300 series stainless steel needles, the gold standard material for suture needles. Tests comparing the new needles to previous needles show a substantial increase in needle strength, initial needle sharpness, and sustained needle sharpness. Tests show that the new 300 series needles are less likely to bend, require less force to penetrate, and maintain sharpness longer. Additionally, all silver needles now have longer and geometrically finer precision cutting edges. Data on file

Cytoplast™ undyed 19 mm precision RC 2/0 USP	CS0418
Cytoplast™ undyed 16 mm precision RC 3/0 USP	CS0518
Cytoplast™ undyed 19 mm precision RC 3/0 USP	CS051819
Cytoplast™ undyed 16 mm RC black needle 3/0 USP	СS0518ВК
Cytoplast™ undyed 19 mm RC black needle 3/0 USP	СS051819ВК
Cytoplast™ undyed 13 mm TP 4/0 USP	CS0618PERIO
Cytoplast™ undyed 13 mm precision RC 4/0 USP	CS0618PREM
Cytoplast™ undyed 16 mm precision RC 4/0 USP	CS0618RC
• Cytoplast™ undyed 13 mm precision RC 5/0 USP	CS071813

NEW

Features & Benefits

100% Medical Grade PTFE Biologically inert

Monofilament Doesn't wick bacteria

Soft (not stiff) Comfortable for patients

Little to no package memory Excellent handling, knots securely

Non-resorbable

Keeps the surgical site reliably closed

Needle Code Detail

C 3/8 Circle Reverse Cutting

P 1/2 Circle Round-Bodied



Resorba[®] Glycolon[™]

Absorbable, Monofilament

Glycolon[™] is Resorba's[®] top selling suture material world-wide and is comprised of polyglycolic acid (PGA) and polycaprolactone (PCL). The monofilament structure provides excellent handling properties, does not wick bacteria, and allows for atraumatic passage through the tissue. Glycolon[™] maintains 50% of its tensile strength for 11-13 days. In Vivo data on file

Glycolon™ violet HRT18 4/0 USP	OD01101
Glycolon™ violet DSM16 4/0 USP	OD01201
Glycolon™ violet DSM18 4/0 USP	OD01203
Glycolon™ violet DSM16 black needle 5/0 USP	OD01211
Glycolon™ violet DSM13 black needle 5/0 USP	OD01210
Glycolon™ violet DSM18 black needle 5/0 USP	OD01212
Glycolon™ violet GR22 black needle 5/0 USP	OD01300
Glycolon™ violet HRT16 5/0 USP	OD01100
Glycolon™ undyed DSM18 5/0 USP	OD01202
Glycolon™ undyed DSM13 6/0 USP	OD01200
Glycolon™ violet DSM13 6/0 USP	OD01213
Micro Sutures:	
Glycolon™ violet HRT10 6/0 USP	OD01102

Needle Code Detail

- DSM 3/8 Circle Premium Reverse Cutting
- HRT 1/2 Circle Round-Bodied Cutting
- GR Straight Round-Bodied

Resorba[®] PGA Resorba[™]

Absorbable, Multifilament

PGA Resorba[™] is an absorbable suture made of precision-braided filaments of polyglycolic acid coated with a special resolactone coating to reduce surface friction when passing through tissue. The composition of PGA Resorba[™] ensures predictable and moderately rapid resorption in tissue. PGA Resorba[™] maintains 50% tensile strength for up to 21 days. In Vivo data on file

PGA Resorba™ violet HRT18 4/0 USP	OD03100
PGA Resorba™ violet DSM18 4/0 USP	OD03202
PGA Resorba™ violet ART25 4/0 USP	OD03600
PGA Resorba™ violet HR17 5/0 USP	OD03500
PGA Resorba™ violet DS18 5/0 USP	OD03400
PGA Resorba™ violet DSM13 5/0 USP	OD03201
PGA Resorba™ violet DSM13 6/0 USP	OD03200

Micro Sutures:

PGA Resorba™ violet DSM11 6/0 USP	OD03203
PGA Resorba™ violet HRT10 6/0 USP	OD03101
PGA Resorba™ violet DSM7 6/0 USP	OD03205
PGA Resorba™ violet HRT7 7/0 USP	OD03102
PGA Resorba™ violet DSM7 7/0 USP	OD03206
PGA Resorba™ violet DSM11 7/0 USP	OD03204



Resorba[®] Resolon[™]

Non-Absorbable, Monofilament

Resolon[™] is initially like traditional nylon sutures until it undergoes a proprietary treatment process that results in a softer and more supple version of a nylon suture. Resolon[™] provides clinicians a non-absorbable monofilament suture option that does not wick bacteria and has superior handling characteristics when compared to traditional nylon sutures.

Resolon™ blue DSM16 4/0 USP	OD1 3205
Resolon™ blue DSM13 4/0 USP	OD1 3202
Resolon™ blue DSM18 4/0 USP	OD1 3207
Resolon™ blue DSM16 black needle 4/0 USP	OD13215
Resolon™ blue HS18 5/0 USP	OD1 3700
Resolon™ blue DSM16 5/0 USP	OD1 3204
Resolon™ blue DSM18 5/0 USP	OD1 3206
Resolon™ blue DSM13 5/0 USP	OD1 3201
Resolon™ blue DSM16 black needle 5/0 USP	OD13214
Resolon™ blue DSM13 black needle 5/0 USP	OD13213
Resolon™ blue DSM18 black needle 5/0 USP	OD13216
Resolon™ blue DSM13 6/0 USP	OD1 3200
Resolon™ blue DSM16 6/0 USP	OD1 3203
Resolon™ blue ART13 black needle 6/0 USP Resolon™ blue DSM13 black needle 6/0 USP Micro Sutures: Resolon™ blue DSM11 black needle 6/0 USP Resolon™ blue DSM13 black needle 7/0 USP	OD13610 OD13212 OD13210 OD13211

Needle Code Detail

- DSM 3/8 Circle Premium Reverse Cutting
- HRT 1/2 Circle Round-Bodied Cutting
- HS 1/2 Circle Standard Reverse Cutting
- ART Asymptotic Round-Bodied Cutting

Resorba[®] Resolon Twist[™]

Non-Absorbable, Pseudo-Monofilament

Resolon Twist[™] is a pseudo-monofilament made of braided nylon fibers that are coated with a nylon sheath. The pseudo-monofilament design offers clinicians a non-absorbable suture that handles similarly to a multifilament suture but, due to its outer nylon coating, has the advantage of reduced drag when being pulled through soft tissue.

Resolon Twist™ undyed HRT18 3/0 USP	OD12100
Resolon Twist™ undyed HS15 4/0 USP	OD12700
Resolon Twist™ undyed DSM18 4/0 USP	OD12201
Resolon Twist™ undyed DSM16 4/0 USP	OD12200

Resolon Twist™ undyed DSM18 black needle 4/0 USP

OD12210



Master-Pin-Control

Revolutionary hybrid pin system

The Master-Pin-Control Bone Management® system is used for the fixation of membranes (absorbable and non-absorbable) in order to avoid micro-mobility of the graft. The pins have an extremely sharp tip that allows precise placement into cortical bone. Mini-threads on the pins make them a hybrid of a screw and pin. The threads on the pins increase the surface area of the shaft, resulting in pin stability, while also making removal of the pins possible with the included screwdriver.

BMPOO

ВМРВА



Master-Pin-Control

(34) Pins Master-Pin-Tray Screw Driver For Pin Removal Fixation Holder Initial Bur Twist Drills • (2) 0.6 mm twist drills

\cdot (2) 0.8 mm twist drills

Master-Pin-Basic

(10) Pins
Master-Pin-Tray
Screw Driver For Pin Removal
Fixation Holder
Initial Bur
Twist Drills

(2) 0.6 mm twist drills
(2) 0.8 mm twist drills

Replacement Pins

10 Pins

MP10

Decortication Bur

(2) 1.2 mm diameter x 4.0 mm long decortication burs with drill stop 2035-012-RA







Pro-Fix™ Membrane Fixation

Precision Fixation System

Pro-fix[™] Membrane Fixation Screws are designed as an attractive alternative to using tacks for membrane stabilization. Easy pickup, solid stability of the screw during transfer to the surgical site, and easy placement make membrane fixation fast and easy. Tray and organizer dial are designed to store all Pro-fix[™] components including up to 100 membrane fixation, tenting, and bone fixation screws

Blades are designed to work universally with all Pro-fix[™] membrane fixation, tenting, and bone fixation screws

Membrane Fixation Kit

PFMK20

- (1) Autoclavable Tecapro[™] storage tray w/ screw organizer dial
- (1) Stainless steel driver handle
- (1) 76 mm cruciform driver blade
- (1) 56 mm cruciform driver blade
- (20) 1.5 x 3.0 mm self-drilling membrane fixation screws



Self-Drilling Membrane Fixation Screws

1.5 mm x 3.0 mm 🖼 actual size

5 screws	PFMF-5
10 screws	PFMF-10
20 screws	PFMF-20

Individual Components

Stainless Steel Driver Handle	PFDH
76 mm Cruciform Driver Blade	PFDB
56 mm Cruciform Driver Blade	PFDB56
Contra Angle Blade	PFDBCA
(24 mm long; 10 mm exposed distal length)	
1.2 mm diam. Latch Type Pilot Drill	PFPD
Autoclavable Tecapro™ storage tray	PFT



Pro-Fix[™] Tenting

Precision Fixation System

Tenting Kit

PFTK12

(1) Autoclavable Tecapro™ storage tray w/ screw organizer dial

- (1) Stainless steel driver handle
- (1) 76 mm cruciform driver blade
- (1) 56 mm cruciform driver blade

(4) 1.5 x 3.0 mm self-drilling tenting screws (7 mm total length: see below)
(4) 1.5 x 4.0 mm self-drilling tenting screws (8 mm total length: see below)
(4) 1.5 x 5.0 mm self-drilling tenting screws (9 mm total length: see below)
For individual Pro-Fix™ driver and container components, see page 19.

Pro-fix[™] Tenting Screws are designed with a self-drilling tip, polished neck, and broader head to maintain space under resorbable and non-resorbable membranes in horizontal and vertical bone regeneration procedures.

Self-Drilling Tenting Screws

1.5 mm x 3.0 mm

3.0 mm polished neck + 4.0 mm threaded portion = 7 mm total length

1	screw	PFT3
5	screws	PFT3-5

1.5 mm x 4.0 mm

4.0 mm polished neck + 4.0 mm threaded portion = 8 mm total length

1	screw	PFT4
5	screws	PFT4-5

1.5 mm x 5.0 mm

5.0 mm polished neck + 4.0 mm threaded portion = 9 mm total length

1	screw	PFT5
5	screws	PFT5-5

Fully Threaded Tenting Screws

1.5 mm x 8.0 mm		
1 screw	PFT8	
1.5 mm x 10.0 mm		
l screw	PFT10	



actual size

actual size

actual size

actual size

actual size



Pro-Fix™ Bone Fixation

Precision Fixation System

Bone Fixation Kit

PFBK12

(1) Autoclavable Tecapro[™] storage tray w/ screw organizer dial
 (1) Stainless steel driver handle
 (1) 76 mm cruciform driver blade
 (1) 56 mm cruciform driver blade
 (1) 1.2 mm diameter latch type pilot drill
 (2) 1.5 x 8 mm bone fixation screws
 (4) 1.5 x 10 mm bone fixation screws
 (4) 1.5 x 12 mm bone fixation screws
 (2) 1.5 x 14 mm bone fixation screws
 For individual Pro-Fix[™] driver and container components, see page 19.

Pro-fix[™] Bone Fixation Screws are designed with finer pitched, self-tapping threads that give the screws greater clamping force while using less driver torque. The screws' threads are equipped with a cutting flute that allows for easier insertion into harder bone. The screws are placed into a 1.2 mm pre-drilled pilot hole.

Self-Tapping Bone Fixation Screws

1.5 mm x 8 mm 1 screw 5 screws	PFB8 PFB8-5	ac	ctual size
1.5 mm x 10 mm 1 screw 5 screws	PFB10 PFB10-5	and ac	ctual size
1.5 mm x 12 mm 1 screw 5 screws	PFB12 PFB12-5	action of the second se	ctual size
1.5 mm x 14 mm 1 screw 5 screws	PFB14 PFB14-5	and ac	ctual size

Micross

Minimally invasive cortical bone collector



not actual size.

The cannula's 5 mm external diameter allows the Micross to be easily inserted into tissue tunnels. Holds up to 0.25 cc at a time 4049 (1 sterile scraper per package)

Applications

- · Extraction defects
- · Periodontal defects
- · Sinus lift procedures

Harvesting Sites

- · Oblique external line with tunnel
- Lingual bone
- $\cdot\,$ Sinus window
- \cdot Palate
- · Zygomatic area with tunnel
- · Small areas near the defect

Smartscraper

Cortical bone collector and syringe in one

Holds up to 0.3 cc at a time 4890 (3 sterile scrapers per package)

Applications

- · Extraction defects
- · Periodontal defects
- \cdot Sinus lift procedures
- \cdot Ridge augmentation

Harvesting Sites

- · Oblique external line w/ tunnel
- Ramus
- · Mandibular symphysis
- · Sinus window
- · Lingual bone
- · Zygomatic area
- Nasal spine
- \cdot Palate
- · Small areas near the defect

not actual size.



The Smartscraper is opened with a simple movement. The syringe, in which the bone particulate has been collected, can then be used to place graft directly into areas with limited access.

Safescraper® Twist - Curve Version

Versatile cortical bone collector

Holds up to 2.5 cc at a time 3987 (3 sterile scrapers per package)



not actual size.

Applications

- \cdot Extraction defects
- · Periodontal defects
- \cdot Sinus lift procedures
- \cdot Ridge augmentation

Harvesting Sites

- · Oblique external line w/ tunnel
- Ramus
- Mandibular symphysis
- \cdot Sinus window
- \cdot Lingual bone
- $\cdot\,$ Zygomatic area
- \cdot Nasal spine
- Palate
- $\cdot\,$ Small areas near the defect

Features & Benefits

Ergonomic design

Cortical bone harvesting is easily achieved from intraoral sites with a minimally invasive approach

2.5 cc collection chamber

Large amounts of bone may be collected at once

Bone is collected with coagulated blood

Graft has high biological plasticity, making it easy to handle and mold

Superior harvesting method

The manual harvesting technique allows graft to r etain cell viability that can be compromised with other harvesting techniques that mill, grind, or potentially overheat bone

Safe

The disposable scraper is sterile and allows clinicians to harvest autogenous bone, which eliminates any chance of disease transmission A 160° blade allows clinicians to collect bone from any bony surface.



The Safescraper® Twist's transparent chamber holds up to 2.5 cc of bone, which can be used alone or mixed in combination with other graft materials.



"This unit *works really well* and has *nice contours* to use in difficult harvesting sites."

> Tom Faerber, DMD; Oral and Maxillofacial Surgeon

Swann-Morton®

Premium Micro-Serrated Blades



15 Blade 01SM15 - Stainless Steel 00SM15 - Carbon Steel

15C Blade 01SM15C - Stainless Steel 00SM15C - Carbon Steel

12D Blade 01SM12D - Stainless Steel 00SM12D - Carbon Steel

Swann-Morton® Blade Edge Design



Unique cutting-edge design delivers a consistently sharp blade

While initially sharp, this edge can deteriorate faster

Micro-Serrated Edge

Razor Edge

Competitor Blade Edge Design



Razor Edge

Razor Edge

Features & Benefits

Smooth razor edge supported by a micro-serrated edge

Maintains a consistently sharp blade

Edge design delivers a tactile sensitivity

Improves depth control while providing equal, smooth tissue margins

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