

Products Catalog EN

Innovative Technology
for **a Better Life**

이비엠텐
제품 소개서



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OCS-B[®] | OsteoConductive Substitute-Bovine

OCS-B[®] is natural bone mineral derived from Korean bovine bone. The inflammatory organic components have been completely removed by a specific manufacturing process. The outstanding osteoconductivity of OCS-B[®] allows for effective and predictable bone regeneration.



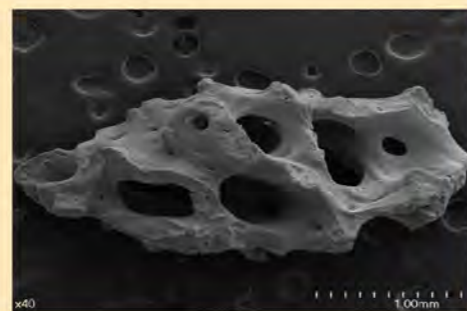
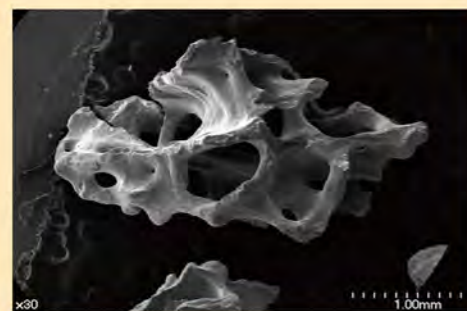
Characteristics

- > Pure hydroxyapatite derived from bovine bone
- > Effective regeneration of new bone around the grafted bone
- > Excellent osteoconductivity to enhance new bone formation
- > Optimal levels of biostability and osteointegration
- > Small (0.2 mm ~ 1.0 mm) and large (1.0 mm ~ 2.0 mm) granules specifically designed for treatments of small and large defects
- > Supplied in three types of forms: vials (traditional), bowl (for convenient mixing of saline or blood) and syringe (for fast and precise application).

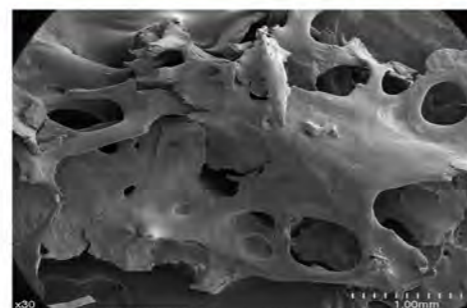
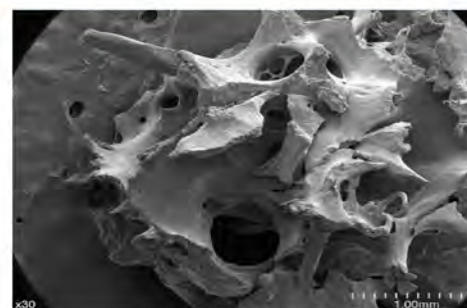


Microscopy

- > Impurities cannot be seen on the surface of OCS-B[®]
- > OCS-B[®] has topographic structures similar to human bone.



▶ OCS-B[®] cancellous bone



▶ Human cancellous bone

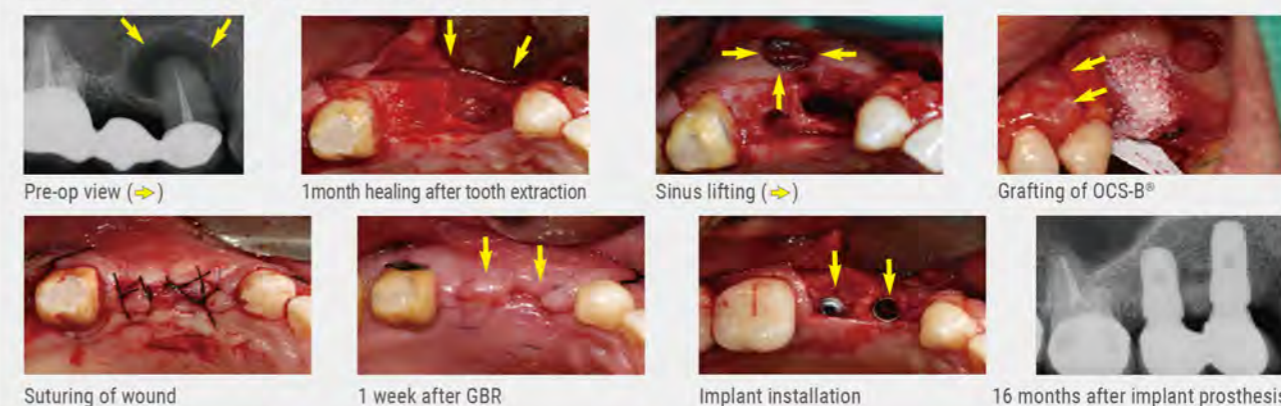
Clinical Cases

Case 1 : Lateral approach sinus elevation with OCS-B[®]



Case 1 : Photo courtesy of Dr. Shin, Seung-Yun

Case 2 : Socket preservation with OCS-B[®]



Case 2 : Photo courtesy of Dr. Park, Jung-Hyun

Product Description

Vial Type	Reference No.		Weight (g)	Size (mm)
	Bowl Type	Syringe Type		
1-0210-025	S1-0210-025	L1-0210-025	0.25	0.2 - 1.0 Cancellous
1-0210-050	S1-0210-050	L1-0210-050	0.5	
1-0210-100	S1-0210-100	-	1.0	
1-0210-200	S1-0210-200	-	2.0	
1-1020-025	S1-1020-025	L1-1020-025	0.25	1.0 - 2.0 Cancellous
1-1020-050	S1-1020-050	L1-1020-050	0.5	
1-1020-100	S1-1020-100	-	1.0	
1-1020-200	S1-1020-200	-	2.0	

OCS-B Collagen®

Spongy bone substitute [bovine] with collagen [porcine]

| Block & Syringe

OCS-B Collagen® consists of OCS-B® cancellous bone granules with addition of 10% highly purified Type I atelocollagen derived from porcine skin.



Application

- > Bone filling in extraction socket or intrabony defect
- > Guided tissue regeneration
- > Guided bone regeneration
- > Elevation of maxillary sinus floor

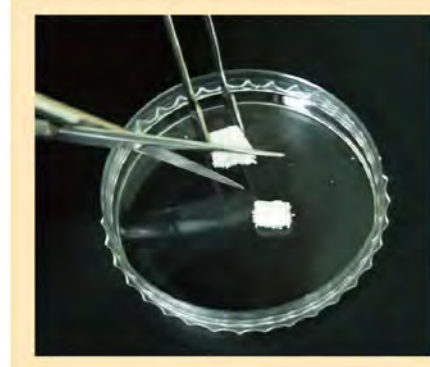


Characteristics

- > Collagen coating enables easy handling and shortens operation time.
- > The mixture of hydroxyapatite and purified collagen mimics the natural bone matrix, thus helping to shorten the healing period.
- > Moldable to various defect shapes
- > Excellent new bone formation and space maintenance
- > Fulfills the functional and esthetic demands by promoting regeneration of bone and periodontal tissues.
- > Supplied in block shapes and cylindrical shape (in a syringe) for convenient and precise application.

Instruction

How OCS-B Collagen® is prepared



◀ OCS-B Collagen® can be manipulated into the desired size with forceps or scissors.

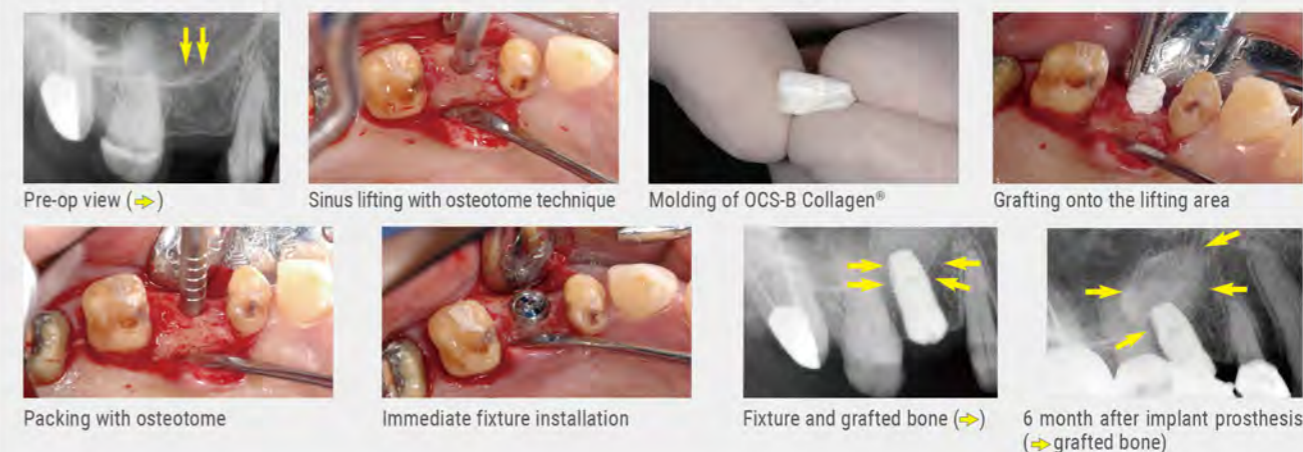
OCS-B Collagen® can be applied easily with forceps. It is easily molded to desired shapes. Excessive packing should be avoided.



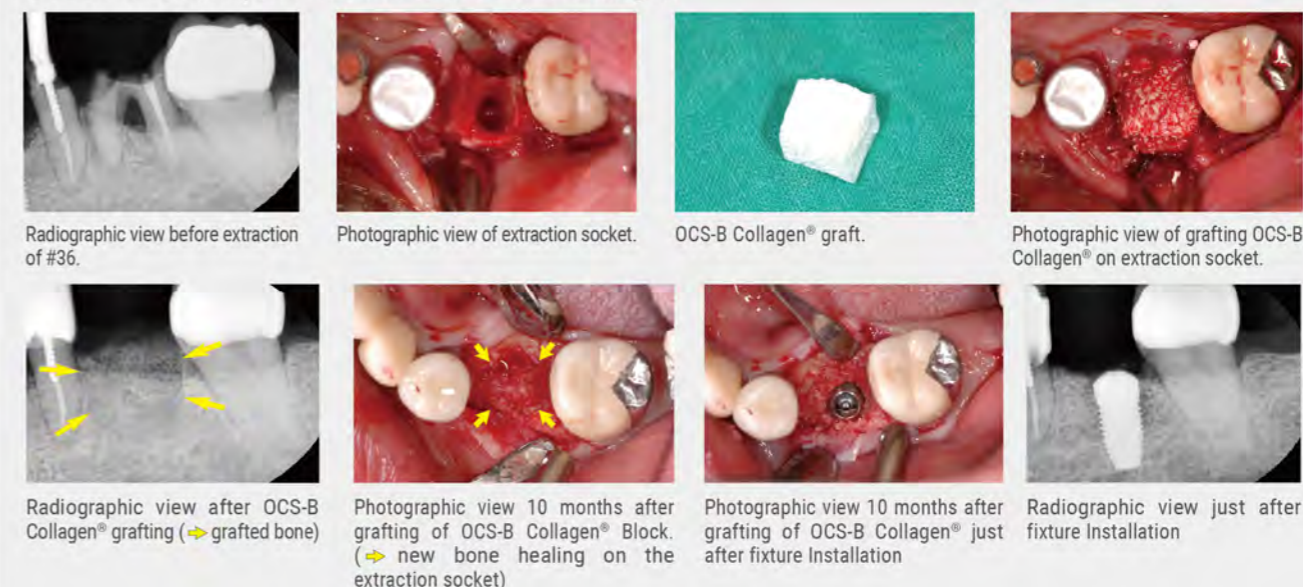
⁽²⁾ Additional registered countries: Singapore, UK, Australia, Switzerland, Taiwan
Registration in progress: EU (MDR), Brazil, Mexico, China

Clinical Cases

Case 1 : Crestal approach sinus elevation with OCS-B Collagen®



Case 2 : Socket preservation with OCS-B Collagen®



Product Description

Reference No.	Type	Weight (mg)	Dimension (mm)
CB-0110-005	Block shape	50	6 × 6 × 3
CB-0110-010		100	6 × 6 × 6
CB-0110-025		250	7 × 8 × 9
CB-0110-050		500	9 × 10 × 11
CB-0110-025S	Cylindric shape in Syringe	250	4.6 (D) × 40 (H)
CB-0110-050S		500	5.6 (D) × 45 (H)

EQUIMATRIX®

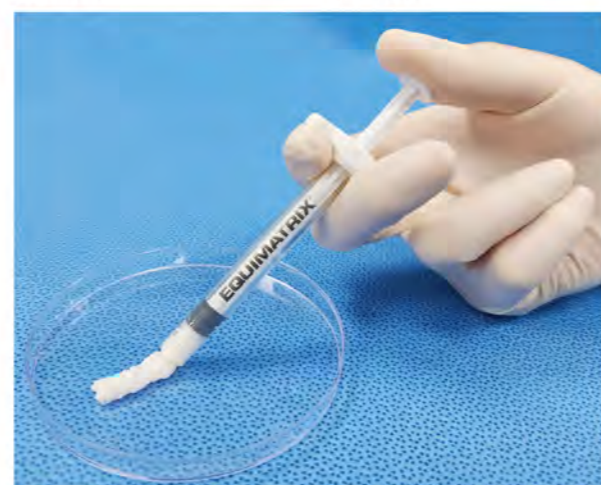
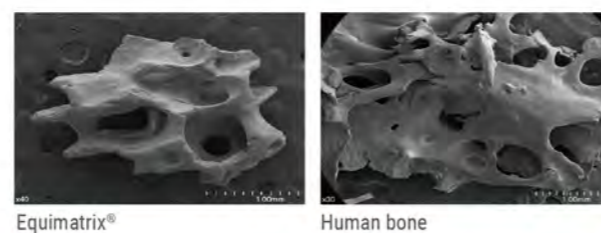
natural bone mineral matrix from equine bone



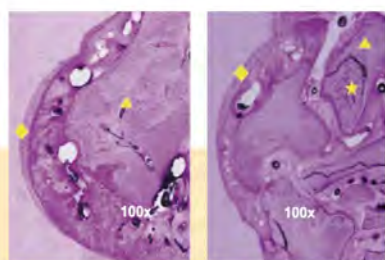
Equimatrix® is a natural non-antigenic porous bone mineral matrix produced by the removal of all organic components from equine bone. The macro and microporous structure of Equimatrix is physically and chemically comparable to the mineralized matrix of human bone matrix.

Characteristics

- > Noble equine bone mineral
- > 99.5% pure carbonate hydroxyapatite
- > Similar topographic structure to human bone resulting in optimal levels of biostability and osteointegration
- > High affinity for osteoblast cell attachment, promoting excellent new bone formation
- > Small (0.2mm~1.0mm) and large (1.0mm~2.0mm) granules specifically designed for treatments of small and large defects
- > Supplied in two types of forms: bowl(for convenient mixing of saline or blood) and syringe (for fast and precise application).



Histologic Analysis



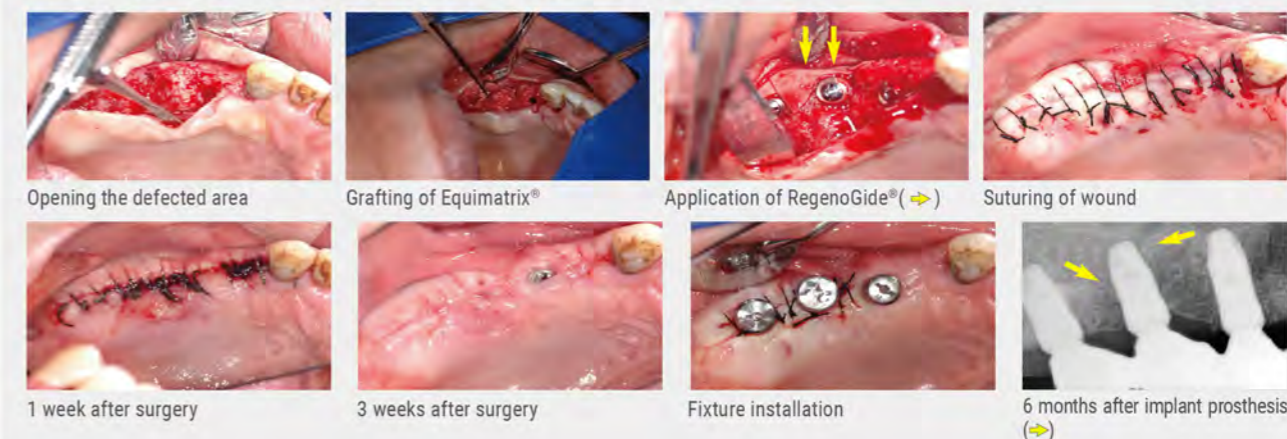
Bovine bone graft at 24 weeks
 ▲ = new bone
 ◆ = new cementum

Equimatrix® at 24 weeks
 ▲ = new bone
 ◆ = new cementum
 ☆ = bone mineral

Components	Bovine bone graft	Equimatrix®
Newly formed bone	49.38 ± 8.78	52.99 ± 8.98
Remaining graft	38.98 ± 4.76	36.73 ± 4.50
Connective tissue	11.64 ± 13.53	10.28 ± 10.60

Clinical Cases

Case 1 : Alveolar ridge augmentation with Equimatrix®



Case 2 : Crestal approach sinus elevation with Equimatrix®



Product Description

Reference No.		Weight (g)	Size (mm)
Bowl Type	Syringe Type		
07-0025	07-5025	0.25	0.2 - 1.0 Cancellous
07-0050	07-5050	0.5	
07-0100	-	1.0	
07-0200	-	2.0	
07-1025	07-7025	0.25	1.0 - 2.0 Cancellous
07-1050	07-7050	0.5	
07-1100	-	1.0	
07-1200	-	2.0	

EQUIMATRIX® Collagen

natural bone mineral matrix plus collagen



Equimatrix® Collagen consists of Equimatrix® cancellous bone granules with addition of 10% highly purified Type I atelocollagen derived from porcine skin.

Application

- > Bone filling in extraction socket or intrabony defect
- > Guided bone regeneration
- > Guided tissue regeneration
- > Elevation of maxillary sinus floor

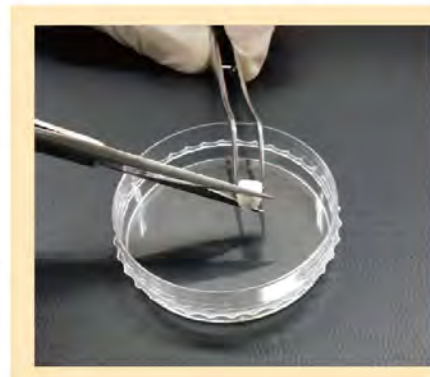
Characteristics



- > Collagen coating enables easy handling, thus shortening operation time
- > Moldable to various defect shape after being wet
- > Excellent new bone formation and space maintenance
- > Promotes bone regeneration, thus helping to maintain good soft tissue aesthetics
- > Fulfills the functional and aesthetic demands by promoting regeneration of bone and periodontal tissues.
- > Supplied in block shapes and cylindrical shape (in a syringe) for convenient and precise application.

Instruction

How Equimatrix® Collagen is prepared



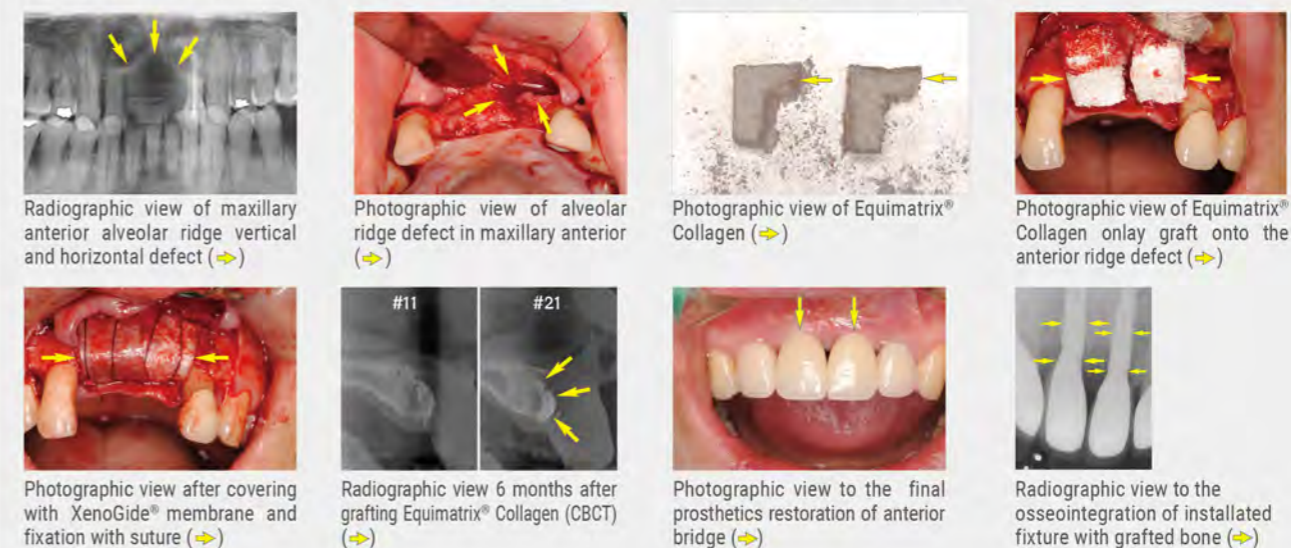
◀ Equimatrix® Collagen can be manipulated into the desired size with forceps or scissors.

Equimatrix® Collagen can be applied easily with forceps. It is easily adjusted to desired shapes. Excessive packing should be avoided. ▶



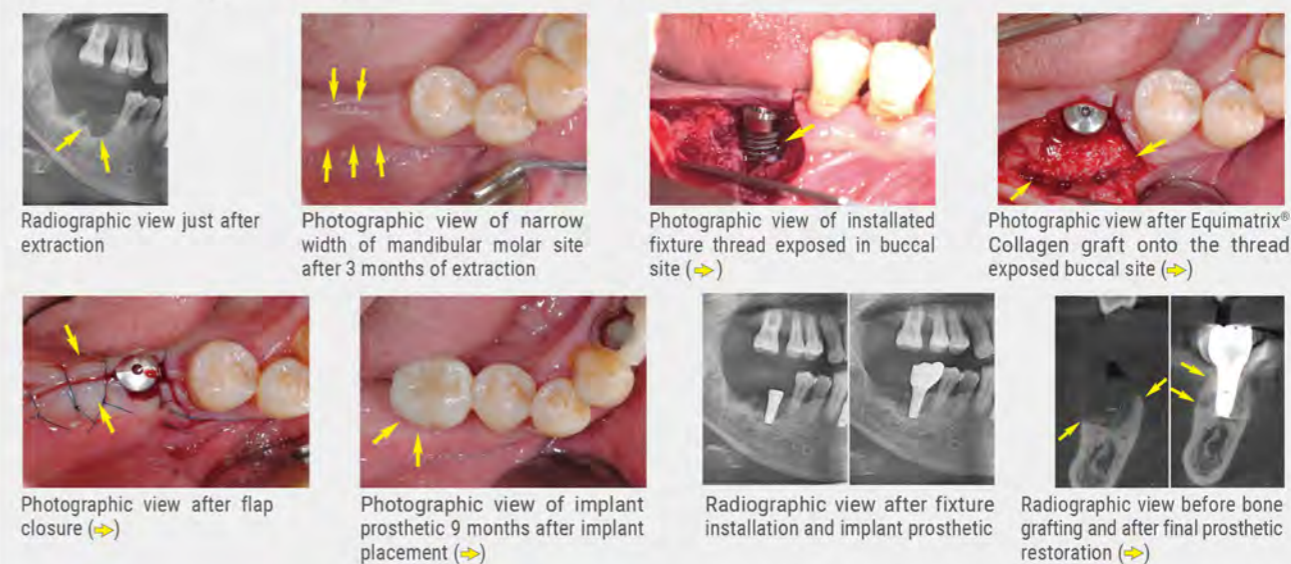
Clinical Cases

Case 1 : Horizontal and vertical ridge augmentation with Equimatrix® Collagen



Case 1 : Photo courtesy of Dr. Kim, Do-Young

Case 2 : Filling intrabony defect with Equimatrix® Collagen



Case 2 : Photo courtesy of Dr. Kim, Hyun-Chong

Product Description

Reference No.	Type	Weight (mg)	Dimension (mm)
CH-0110-005	Block shape	50	7 × 6 × 3.5
CH-0110-010		100	7 × 6 × 7
CH-0110-025		250	9 × 8 × 8
CH-0110-050		500	11 × 10 × 8
CH-0110-025S	Cylindric shape in Syringe	250	4.6 (D) × 40 (H)
CH-0110-050S		500	5.6 (D) × 45 (H)

XenoGide[®]

Resorbable Collagen Membrane

XenoGide[®] is a resorbable collagen membrane derived from porcine pericardium that has undergone a decellularization process to maintain a cell-friendly extracellular matrix structure. Excellent handling and high tensile strength are key features of the product. The non-crosslinked product is completely decomposed after a certain period of time post-implantation, so no secondary surgery is required to remove it.

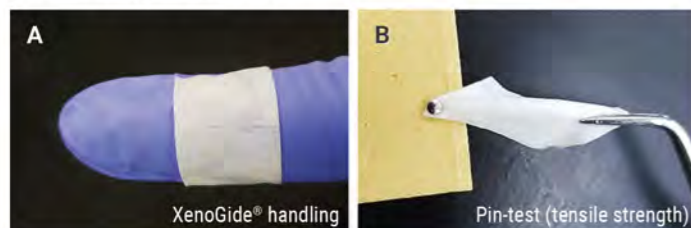


Characteristics

- > Excellent biocompatibility by using the ECM structure of porcine pericardium
- > Absorbable pericardium membrane with cell-friendly structure
- > Not undergone crosslinking (non-crosslinking product)



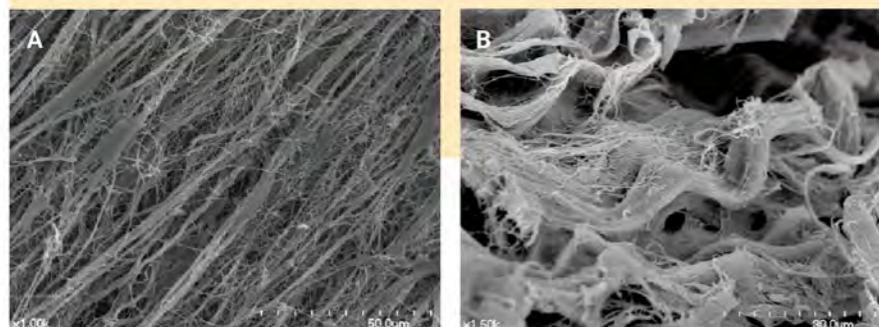
Handling Features



- > Short hydration time and excellent handling after hydration
- > Excellent tensile strength by using the extracellular matrix (ECM) structure of porcine pericardium

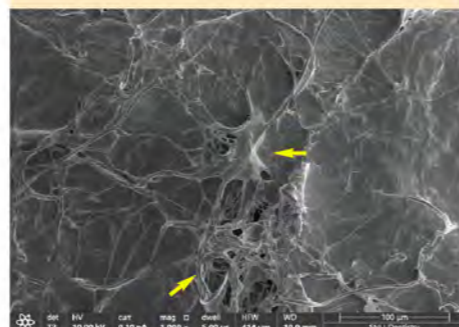
Microscopy

- > The microstructure of the surface and cross-section of XenoGide[®] observed with an electron microscope shows a porous structure.



XenoGide[®] (SEM) : A. Surface / B. Cross-section

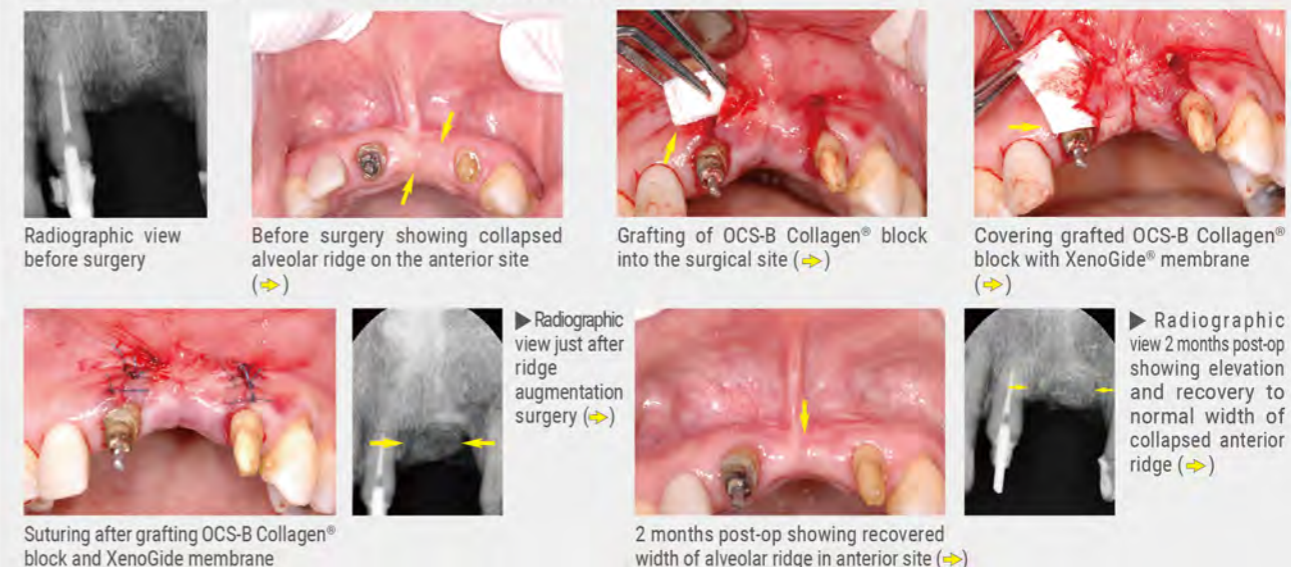
- > Good cell adhesion due to cell-friendly structure



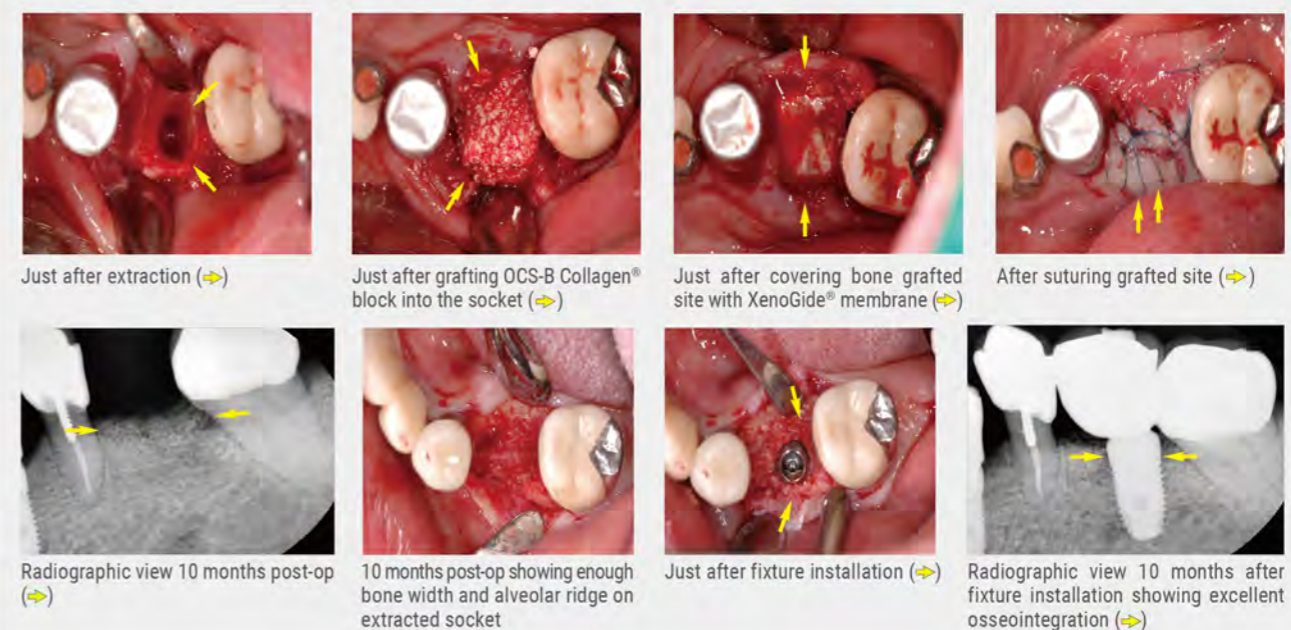
Periodontal ligament cell (→) seeded onto XenoGide[®]

Clinical Cases

Case 1 : Anterior ridge augmentation with XenoGide[®]



Case 2 : Alveolar ridge preservation with XenoGide[®]



Product Description

Reference No.	Thickness (µm)	Size (mm)
XGD-2010	250	20 × 10
XGD-2515	250	25 × 15

Regenomer[®]

Self Expanding Biodegradable Collagen matrix

Regenomer[®] is made of porcine atelocollagen to minimize antigenicity and cross-linked by heat treatment to enhance biocompatibility. Regenomer[®] is in a matrix configuration and is shaped for easy placement in the extraction wound.

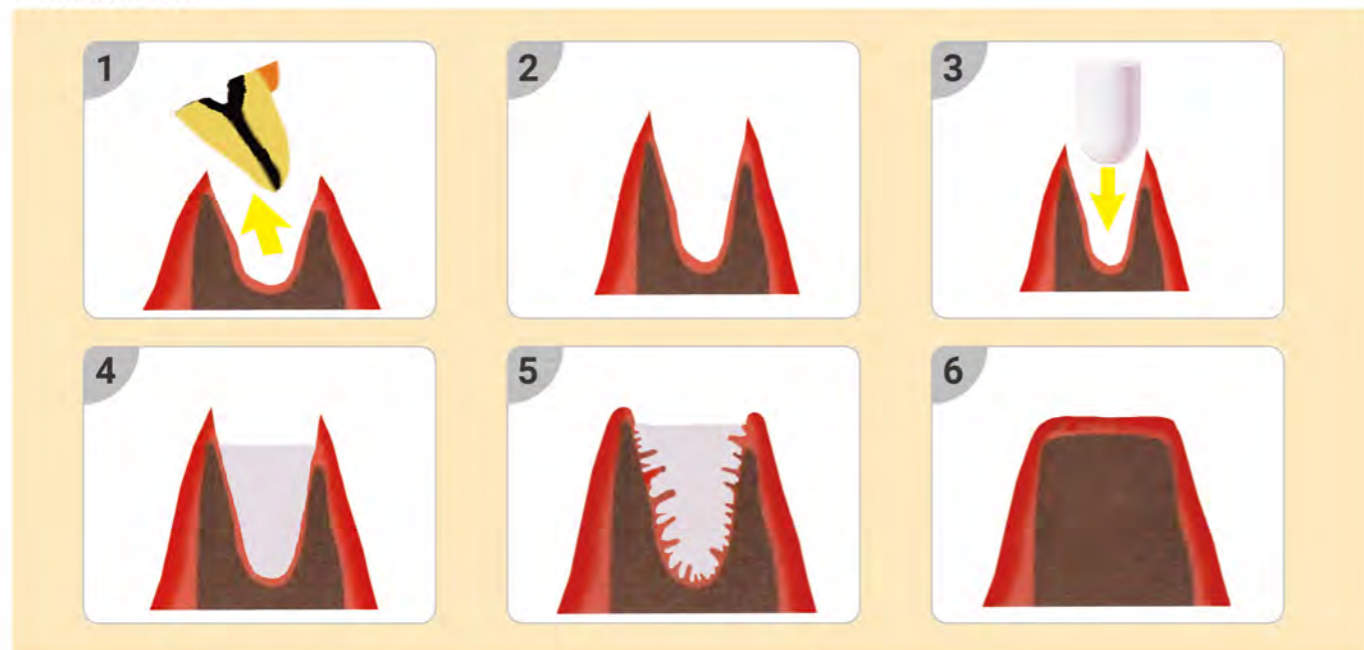


Characteristics

- > Stabilizes bleeding and blood clots.
- > Reduces pain and swelling.
- > Prevents penetration of impurities into extraction sockets.
- > Promotes the formation of new tissue.
- > Prevents gingival retraction and absorption of alveolar bone.
- > Prevents localized osteitis (dry socket).

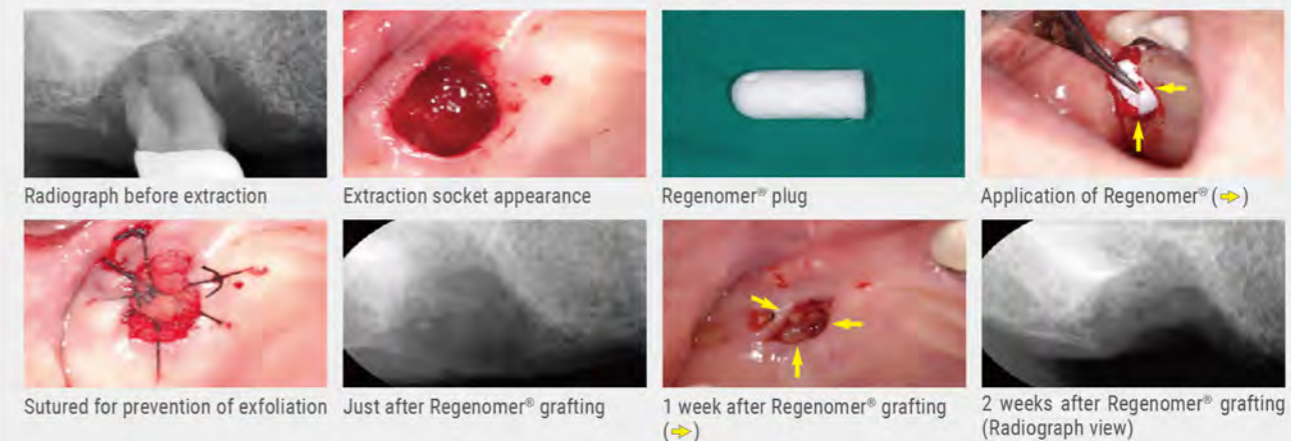


Instructions

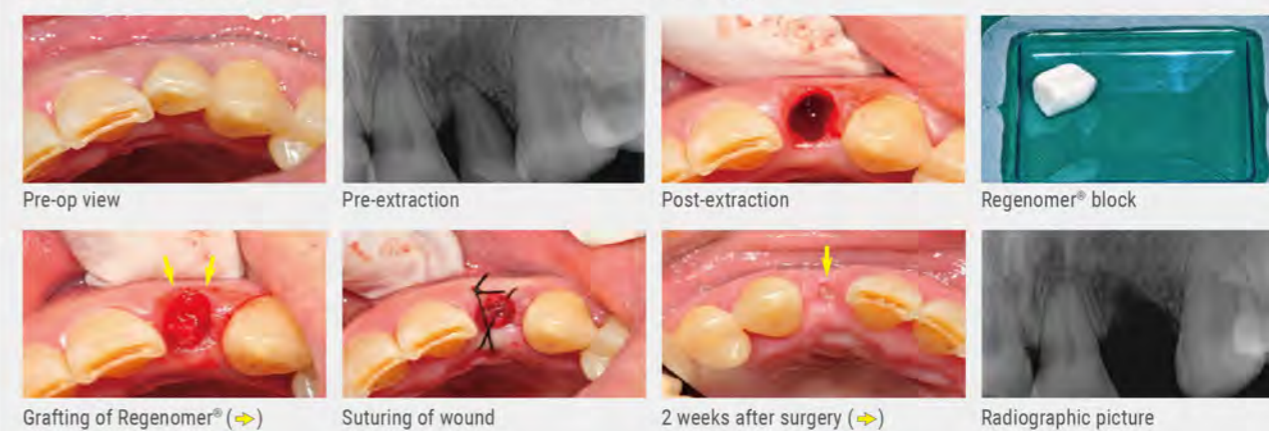


Clinical Cases

Case 1 : Socket preservation with Regenomer[®] plug type



Case 2 : Socket preservation with Regenomer[®] block type



Product Description

Reference No.	Type	Dimension (mm)	Weight (mg)	Quantity
RSB1-S	Block	6 × 5 × 7	10	5 pcs.
RSB2-L		8 × 7 × 9	20	
RSP1-S	Plug	8 × 18	40	
RSP2-L		12 × 25	100	
RS1	Syringe	-	25	1 pc.
RS2		-	50	

RegenoMatrix

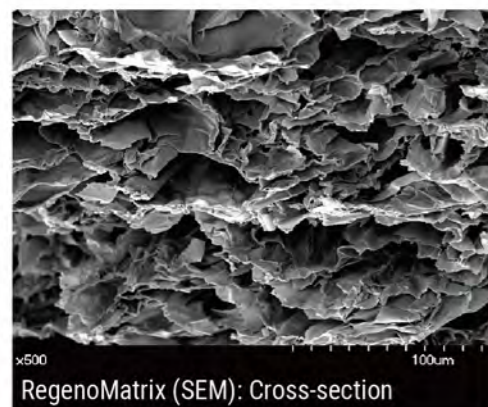
RegenoMatrix is an absorbable spongy collagen membrane made of type I atelocollagen extracted from porcine dermis which is used for guided bone regeneration (GBR) and guided tissue regeneration (GTR) procedures. The type I atelocollagen extracted from porcine dermis is a high-purity product from which immune substances are removed, and there is no risk of residual crosslinking agent as it is crosslinked by physical means. The product is completely decomposed after a certain period of time post-implantation, so no secondary surgery is required to remove it.



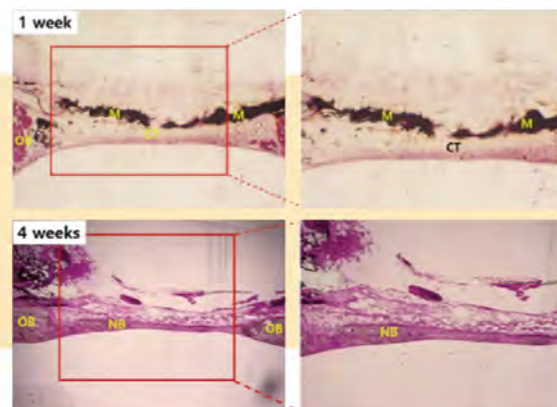
RegenoMatrix after hydration

Characteristics

- > Absorbable collagen membrane using type I atelocollagen derived from porcine dermis with minimized immune response
- > Manufactured through a non-chemical crosslinking method
- > Absorption period of about 4 weeks
- > May also be used for soft tissue regeneration due to its porous structure



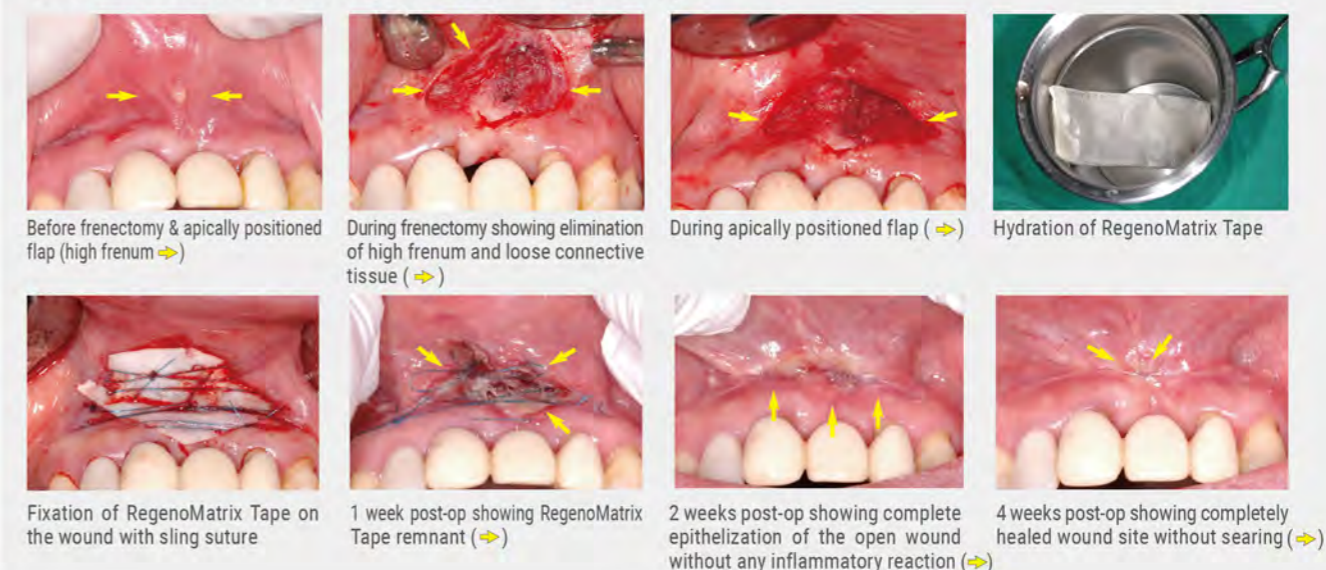
RegenoMatrix (SEM): Cross-section



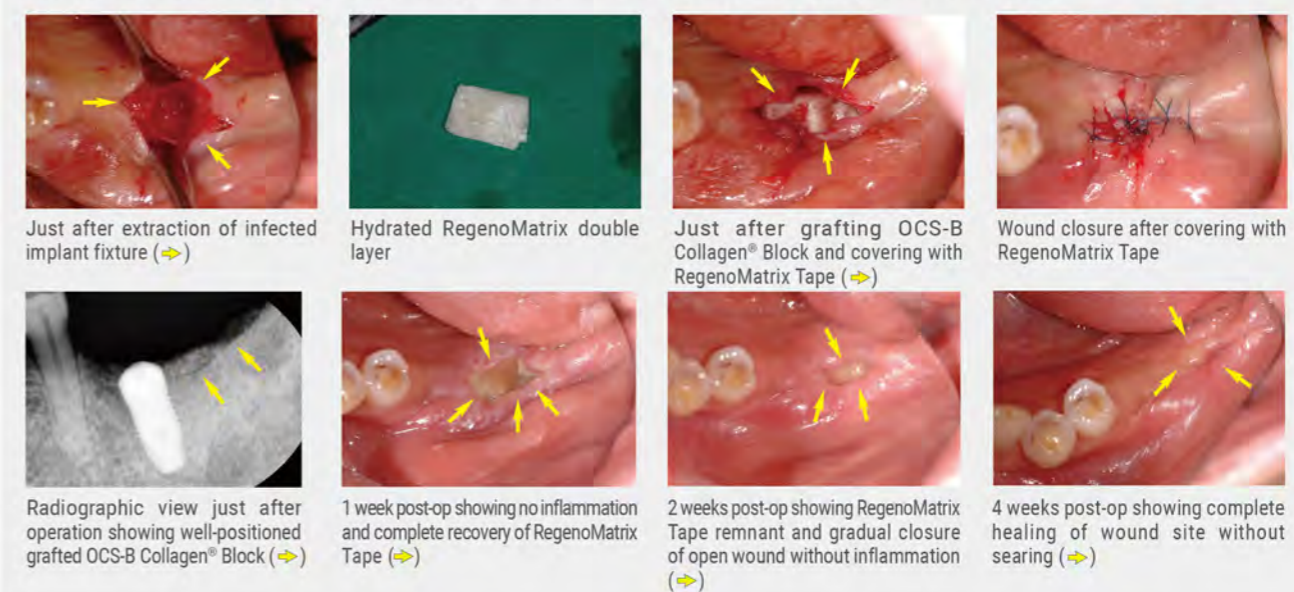
▶ Animal test data confirming degradation and new bone formation after 4 weeks (rabbit)

Clinical Cases

Case 1 : Labial frenectomy with RegenoMatrix Tape



Case 2 : Extraction of infected implant fixture and GTR with RegenoMatrix Tape



Product Description

Reference No.	Type	Dimension (mm)	Weight (mg)	Quantity
RGMT	Tape	70 × 25 × 0.5	180	5 pcs.
RGMC-S	Cote Type	25 × 20 × 0.5	40	
RGMC-L		40 × 20 × 0.5	80	

OSSGEN-X15

Osteogenic Peptide Loaded Bone Substitutes

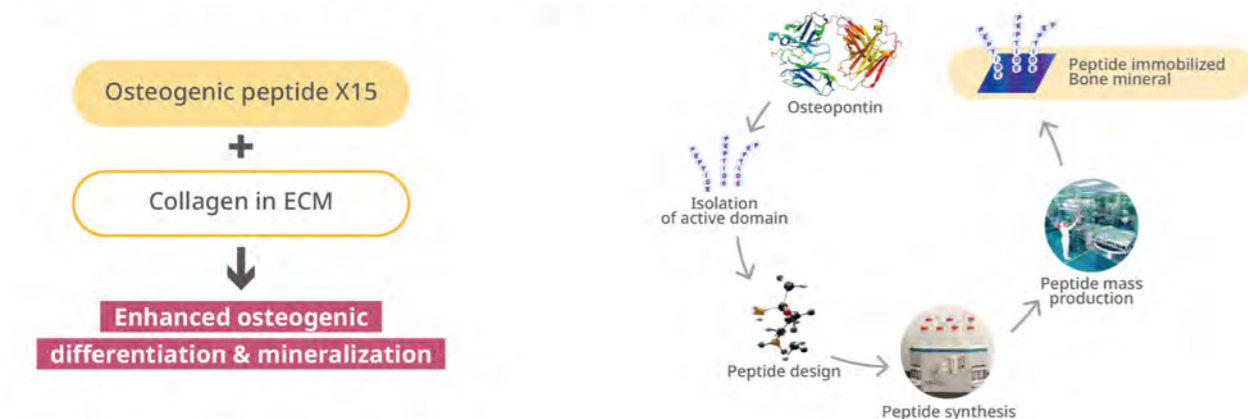
OssGen-X15 is a composite of bovine bone mineral (OCS-B®) or equine bone mineral (Eqimatrix®) and bioactive peptide.

The bioactive peptide is composed of osteogenic peptide X15 and hydroxyapatite binding peptide. Osteogenic peptide X15 can stably bind to the bone substitutes (OCS-B® or Eqimatrix®) through hydroxyapatite binding peptide.



Characteristics

- > Peptide derived from collagen binding domain of human osteopontin
- > Collagen binding affinity and mineral formation activity
- > Increases attachment (the initial phase of bone regeneration), proliferation, and osteoblastic differentiation of bone marrow stromal cells
- > Excellent osteoconductivity to enhance new bone formation (mineralization)



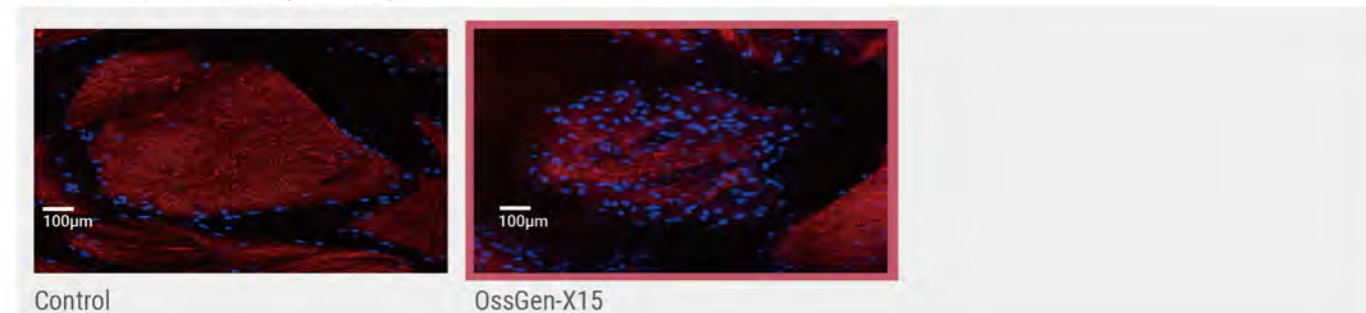
Indications

- Ridge augmentation
- Socket preservation (increased bone volume)
- Window technique maxillary sinus augmentation
- GTR (guided tissue regeneration)
- GBR (guided bone regeneration)
- Filling for peri-implant defects

Instructions

- Ossgen-X15 is mixed with sterile purified water or sterile normal saline and applied to the defect area.

Cell Attachment (BMSC)

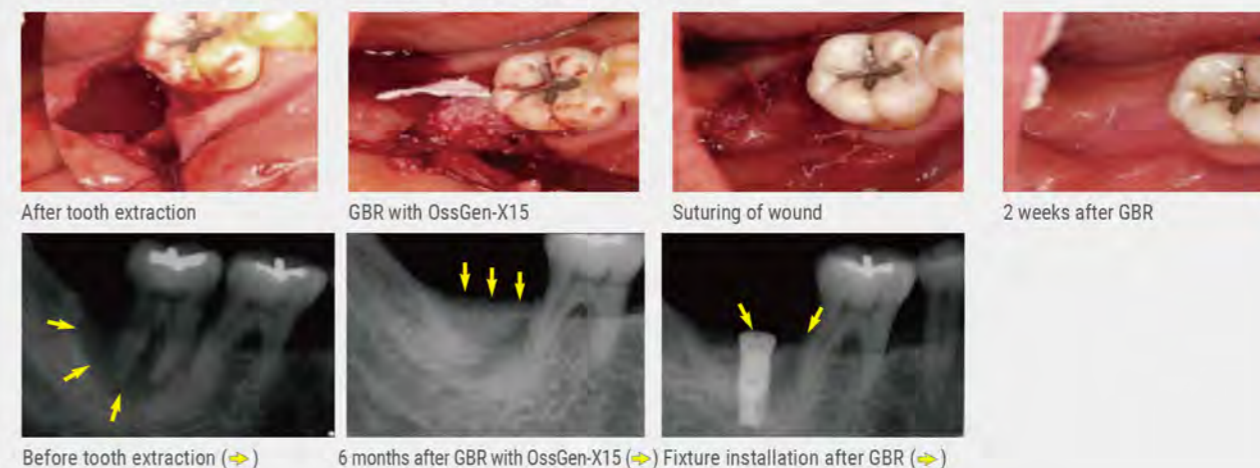


Storage

- 15 ~ 25°C, room temperature

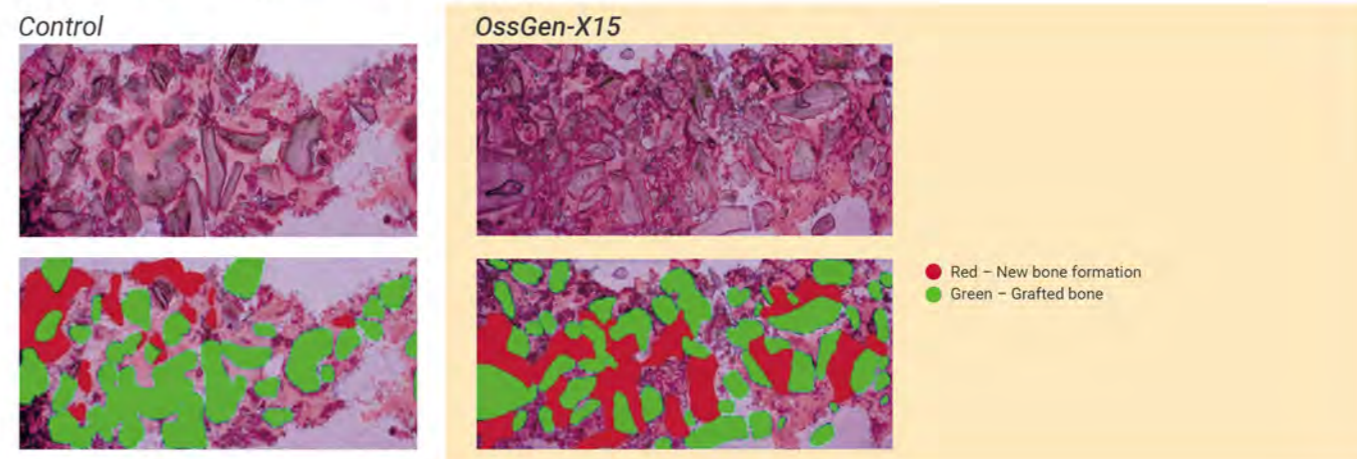
Clinical Cases

GBR for deep periodontal bony defect with OssGen-X15



Histomorphometrical Results

6 months after ridge-preservation procedures



Product Description

Reference No.	Particle Size	Weight (g)	Type
PB1-0201-025	0.2 ~ 1.0 mm (OCS-B® Cancellous)	0.25	Vial
PB1-0201-050		0.5	
PB1-1020-025	1.0 ~ 2.0 mm (OCS-B® Cancellous)	0.25	Syringe
PB1-1020-050		0.5	
PB1-0210-025S	0.2 ~ 1.0 mm (OCS-B® Cancellous)	0.25	Syringe
PB1-0210-050S		0.5	
PB1-1020-025S	1.0 ~ 2.0 mm (OCS-B® Cancellous)	0.25	Syringe
PB1-1020-050S		0.5	

Clinplant® / Clinplant® Floss

Clinplant® is used to clean the surface of implants and dental roots during periodontal surgery. Clinplant® Floss is designed for cleaning the interproximal areas and cervical margins.



Characteristics

Clinplant® is a conditioner designed to be used as gingival and dental cleaner. Clinplant® is particularly recommended in the early stages of gingivitis, peri-mucositis or minor gingival bleeding.

Product Evaluation

	Clinplant®	Chlorhexidine	No treatment
Microscopy			
Cell attachment			
Type I collagen on human dentin			

Excellent Cleaner

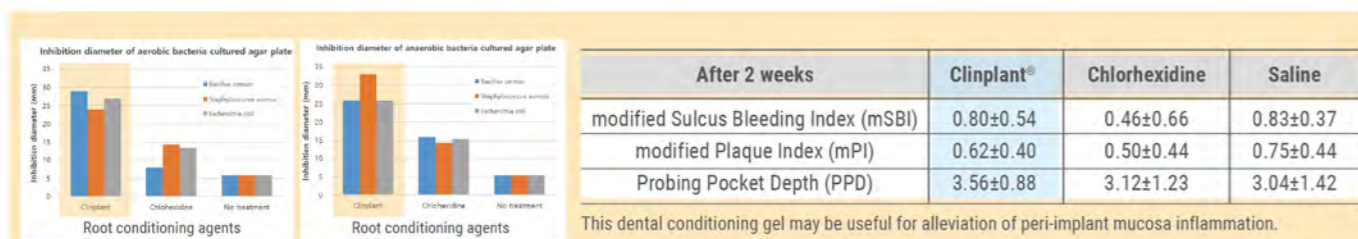
- Effectively cleans dental, gingival and implant surface
- Increases implant survival rate.
- Uses safe ingredients; No antibiotics, No tolerance.

Convenient Application

- Can be easily applied to implant surface and defect.
- Supplied in two presentations; Syringe and Floss.

Outstanding Effect

- Chelation effect & Anti-bacterial effect
- Improves cell attachment.
- Removes lipopolysaccharides(LPS) and plaque
- Prevents gingivitis and peri-mucositis by removing or treating the smear layer of plaque

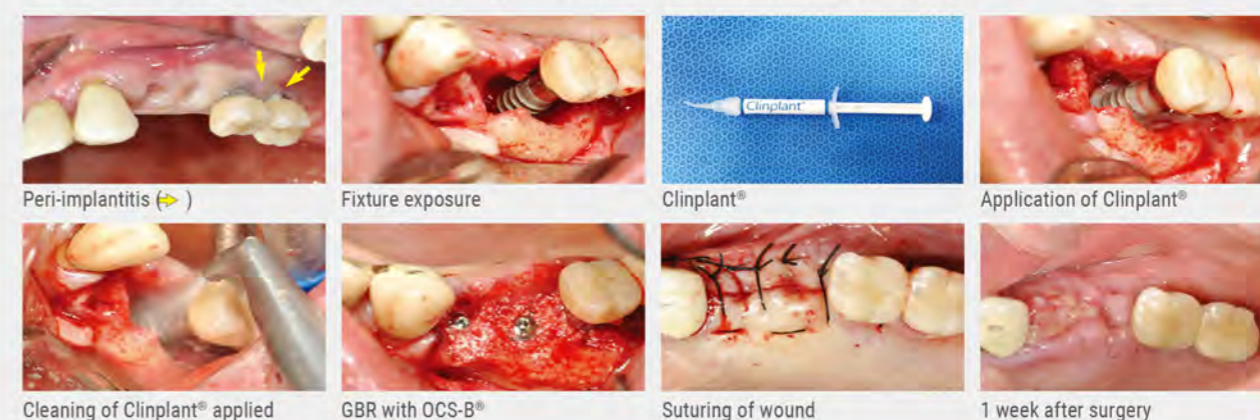


Clinical Cases

Case 1 : Application for peri-mucositis with syringe type

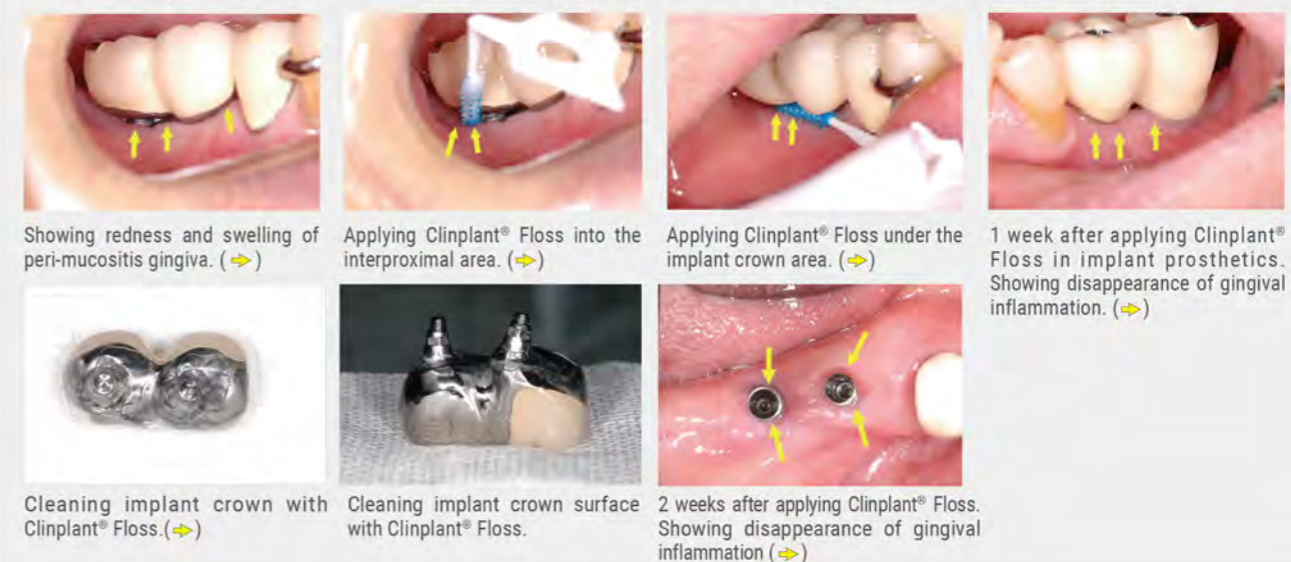


Case 2 : Application for cleaning implant fixture surface with syringe type



Case 2 : Photo courtesy of Dr. Park, Jung-Hyun

Case 3 : Application for cleaning of the interproximal area of peri-mucositis with floss type



Product Description

Reference No.	Type	Quantity
CP-1	White gel in syringe	1 mL × 4 EA
CF-1	Gel coated on interdental floss	10 pcs. × 3 EA

MinoCure[®]

Minocycline HCl

MinoCure[®] is a “subgingival sustained release” product containing 2% minocycline hydrochloride incorporated into a bioresorbable polymer for professional subgingival administration directly into periodontal pockets.



Characteristics

- > Indicated for the treatment of moderate to severe adult periodontitis and periimplantitis.
- > Recommended to be used as an adjunct to conventional scaling and root planning, in pockets of 5 mm or greater.
- > Intended to be applied directly into the periodontal pocket by the means of specially designed applicator.

Instruction

1. It is recommended that applicators are allowed to equilibrate to room temperature for approximately 15 minutes prior to use.
2. Remove caps and assemble tip* and syringe.
(For safe use of MinoCure[®], it is important that the tip is properly assembled to the syringe.)
3. Apply MinoCure[®] to the gingival pocket.

*Single use only



Minocycline hydrochloride has in vitro antibacterial activity against a wide range of gram-negative and gram-positive organisms thought to be related to periodontal diseases.

Clinical Cases

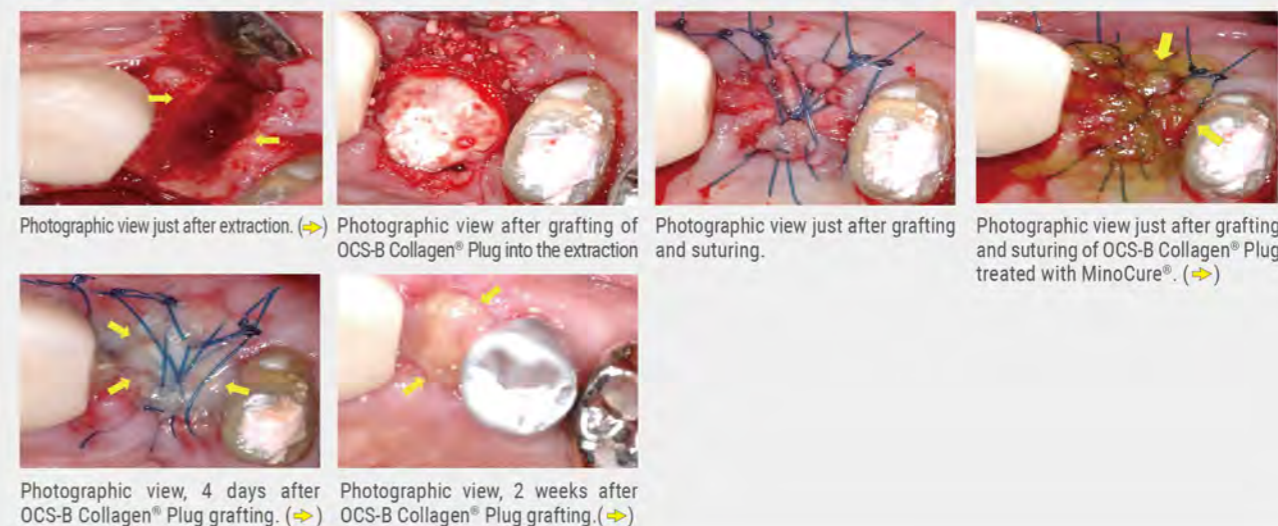
Case 1 : Application for chronic periodontitis



Case 2 : Application for gingival abscess



Case 3 : Application for protection of OCS-B Collagen[®] in extraction graft.



Product Description

Product	Type	Quantity
MinoCure [®] 0.25 g	Syringe	0.25 g × 5 EA (Tip: 12 pcs.)
MinoCure [®] 0.5 g		0.5 g × 5 EA (Tip: 18 pcs.)

Dr. Whitiss®
TOOTH WHITENING



W DR. WHITISS

Teeth Whitening System...Carbamide Peroxide 10,15,20,35%



The teeth whitening effect of Dr. Whitiss can restore a white smile from teeth discoloration caused by smoking or caffeine consumption.

Dr. Whitiss comes in a brush-type applicator for easy and convenient use. It is made of carbamide peroxide, the same active ingredient used in teeth whitening clinics, rather than hydrogen peroxide.

Noticeable teeth whitening results, with an average of 3.7 shades brighter, have been achieved in 4 weeks.

* Individual results may vary depending on the treatment period and degree of tooth discoloration.

Characteristics

- > Patented polymer-based tooth coating gel
- > Unique agent delivery technology that enhances enamel penetration
- > Safe & stable combination of polymers & active whitening agent (carbamide peroxide)

Tooth Whitening Mechanism



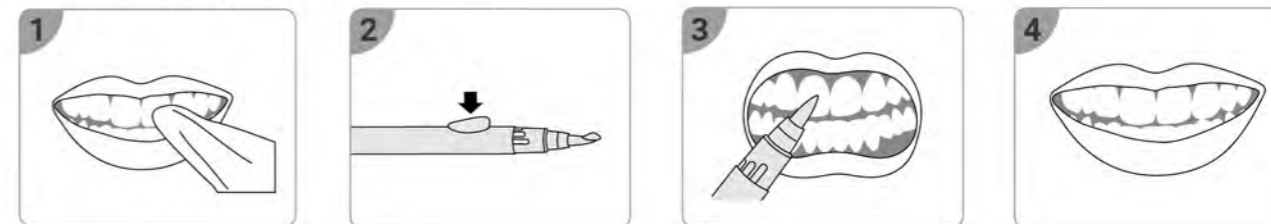
There are many tiny pores exposed on the tooth surface.

The special whitening agent quickly penetrates the pores and enamel layer, reaching the dentin tubules to create a bright, white smile.

> Innovative technology support

Dr. Whitiss product line holds multiple patents for a unique polymer-based drug delivery system which provides long-lasting, rapid penetration into hard tissues, including bone and dentin.

Instructions (Dr. Whitiss® 8.3%)



1. Dry teeth completely with a tissue.
2. Gently press the click-pen's button or middle of the tube until a drop of gel appears.
3. Apply a drop of gel to each tooth with the click-pen's brush or tip; Paint the gel to create a shiny coating.
4. Allow the formula to dry for 1 minute; avoid eating or drinking for 20 minutes after the application of Dr. Whitiss®

Instructions (Dr. Whitiss® 10, 15, 20, 35%)



1. Use teeth model if applicable.
2. Impressions are taken for custom-fitted trays (upper and lower teeth).
3. Place a small drop of gel into each compartment of the tray for the teeth being treated.
4. Insert the tray in your mouth and lightly tap to adapt the sides to your teeth. After treatment, remove tray. Rinse tray and mouth with warm water. Brush teeth afterwards. Wear time depends on the concentration of Dr. Whitiss®(Refer to manual).

Clinical Cases

(Dr. Whitiss® 8.3%)



Before (Shade: C1)



After 2 weeks (Shade: A2)



After 4 weeks (Shade: A1)

Product Description

Product	Content	Weight (g)
Dr. Whitiss® (2 g × 4 EA)	Carbamide peroxide 8.3%	8
Dr. Whitiss® (5 g × 1 EA)		5
Dr. Whitiss® 10% (1 g × 4 EA)	Carbamide peroxide 10%	4
Dr. Whitiss® 15% (1 g × 4 EA)	Carbamide peroxide 15%	
Dr. Whitiss® 20% (1 g × 4 EA)	Carbamide peroxide 20%	
Dr. Whitiss® 35% (1 g × 4 EA)	Carbamide peroxide 35%	

CE FDA Health Canada NMPA GMP & MORE⁽¹⁻⁶⁾

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