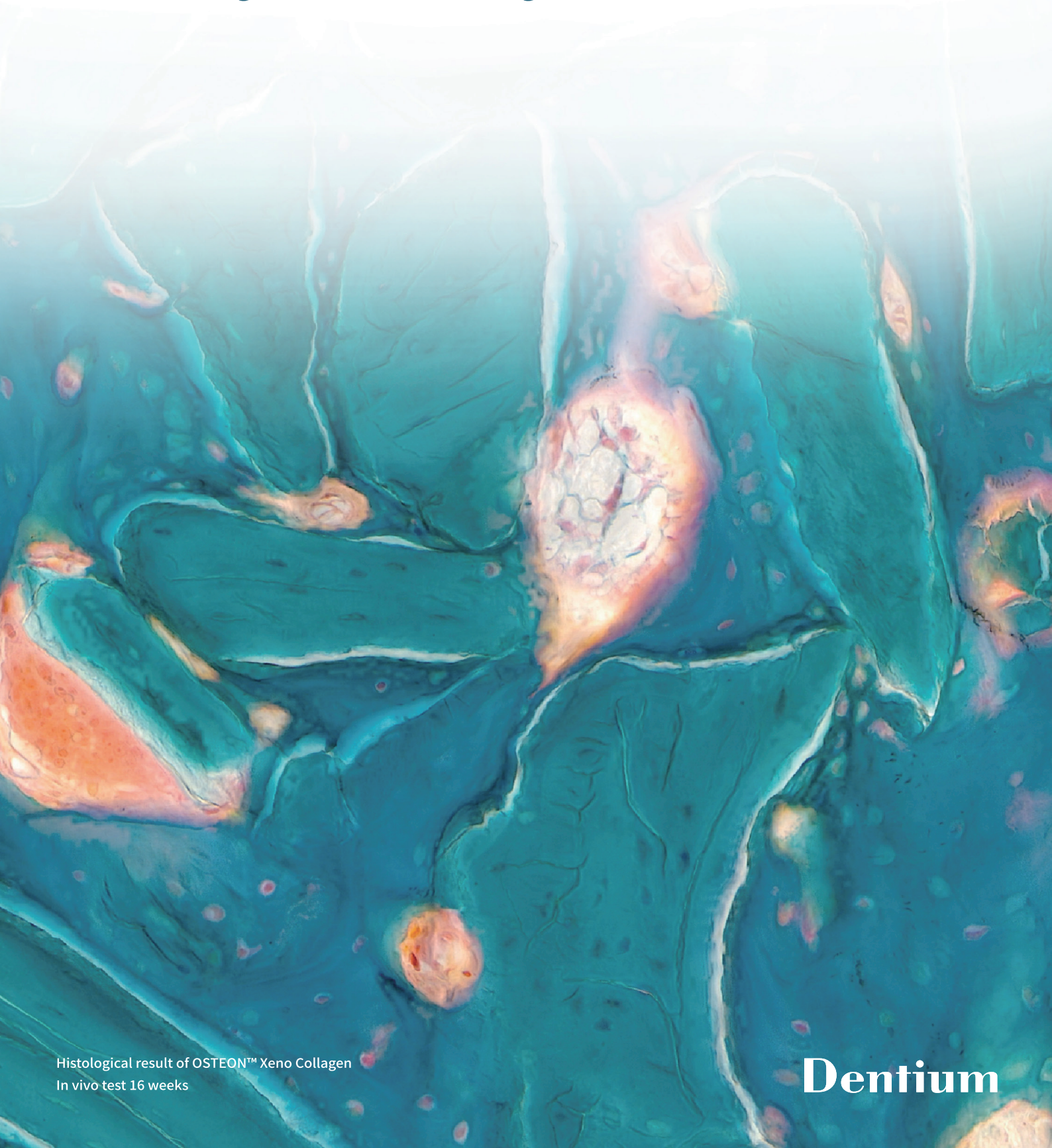


Regeneration

Bone Grafting & Soft Tissue Management



Histological result of OSTEON™ Xeno Collagen
In vivo test 16 weeks

Dentium

Dentium

Regeneration

Products Information

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01 Bone Graft

OSTEON™ Xeno: microstructure



Applications

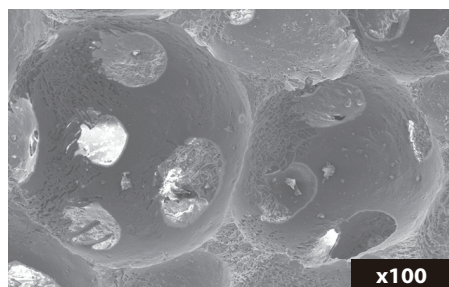
- Alveolar ridge augmentation
- Extraction site & Osteotomy
- Horizontal & Vertical bone augmentation
- Periodontal defect

Characteristics

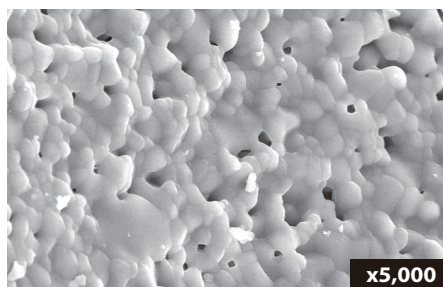
- Easy handling and excellent wettability
- Osteoconductive synthetic bone graft
- Wider surface area and higher porosity than OSTEON I and II
(Highly inter-connected structure between macro/micro pores)



Microstructure



Macropore



Micropore

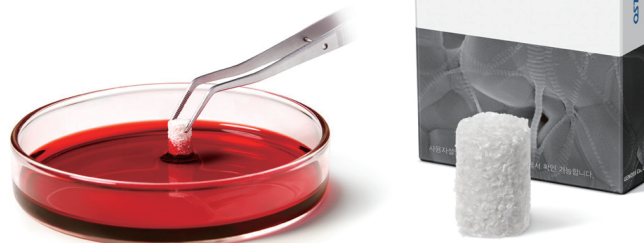
Order Information

Type	Volume (cc)	Size (mm)	REF
Vial	0.10	0.2 ~ 0.5	3G0205010
	0.25		3G0205025
	0.50		3G0205050
	1.00		3G0205100
	0.10	0.5 ~ 1.0	3G0510010
	0.25		3G0510025
	0.50		3G0510050
	1.00		3G0510100
	0.10	1.0 ~ 2.0	3G1020010
	0.25		3G1020025
	0.50		3G1020050
	1.00		3G1020100
Sinus (Syringe)	0.5	0.5 ~ 1.0	3G0510050S
		1.0 ~ 2.0	3G1020050S
Lifting (Syringe)	0.25	0.2 ~ 0.5	3G0205025L
		0.5 ~ 1.0	3G0510025L

OSTEON™ 3 Collagen

Applications

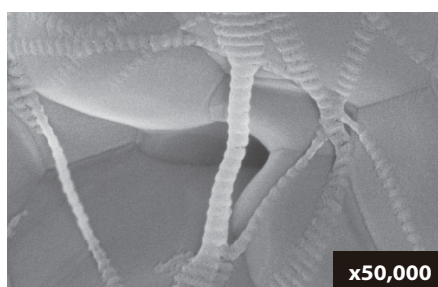
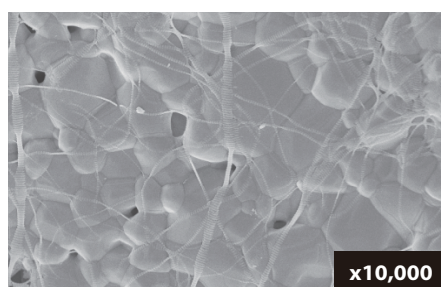
- Simple grafting
- Alveolar ridge augmentation
- Extraction socket management
- Sinus lift (crestal approach)



Characteristics

- Bone void filler composed of OSTEON 3 and type I collagen
- Easy to mold and apply to various defects
- Easy handling and reduced surgical chair time

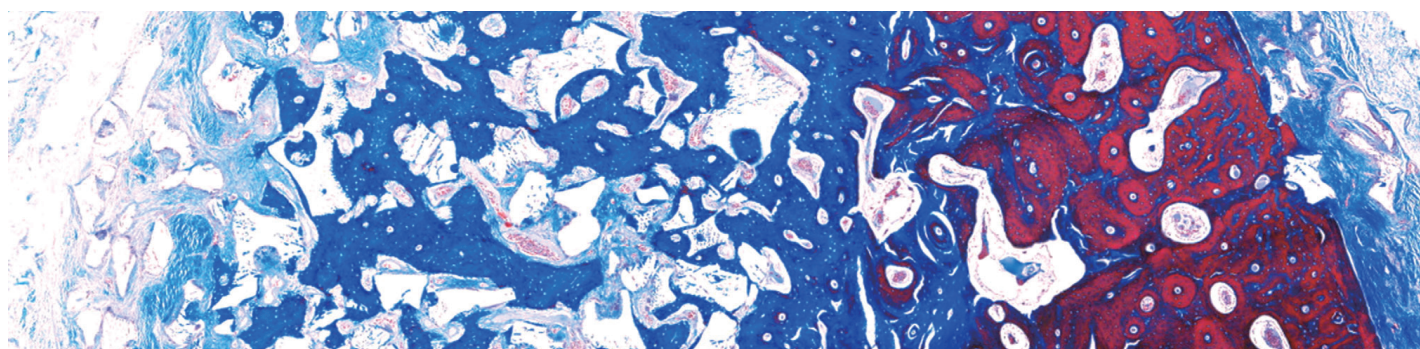
Microstructure



Easy handling



Animal Test



Beagle mandible (lateral onlay graft model), 8 weeks

Order Information

Type	Particle size (mm)	Size (mm)	REF
Cylinder	0.5 ~ 1.0	Ø 6.0 x 5.0	ND3CC0605
		Ø 6.0 x 10.0	ND3CC0610

OSTEON™ Xeno

Applications

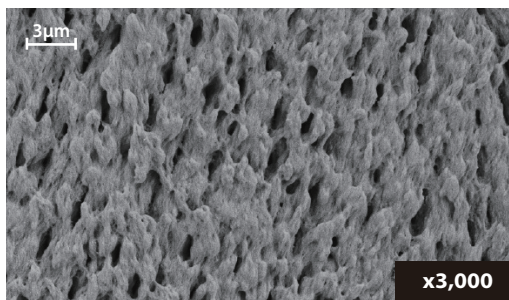
- Alveolar ridge preservation
- Extraction site & Osteotomy
- Horizontal & Vertical bone augmentation
- Periodontal defect

Characteristics

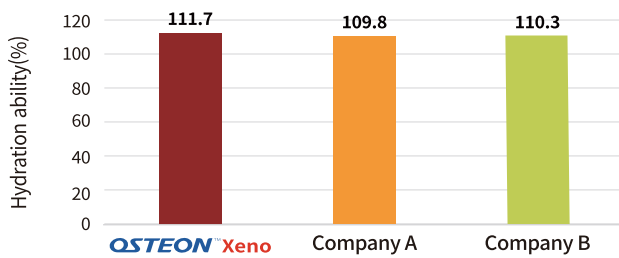
- Natural bovine bone substitute similar to human bone
- Highly interconnected macro/micro-pores
- Complete removal of organic substances
- Easy handling and excellent wettability



Microstructure



Hydration ability



Order Information

Type	Weight (g)	Size (mm)	REF
Vial	0.15	0.2 ~ 1.0 Small	GXS015
	0.25		GXS025
	0.50		GXS050
	1.00		GXS100
	0.15	1.0 ~ 2.0 Large	GXL015
	0.25		GXL025
	0.50		GXL050
	1.00		GXL100

OSTEON™ Xeno Collagen

Applications

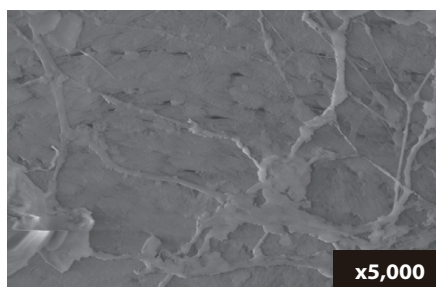
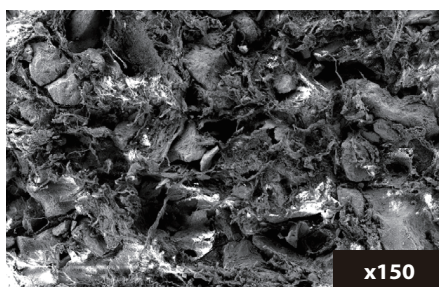
- Guided bone regeneration
- Contour augmentation
- Alveolar ridge preservation
- Sinus Lift

Characteristics

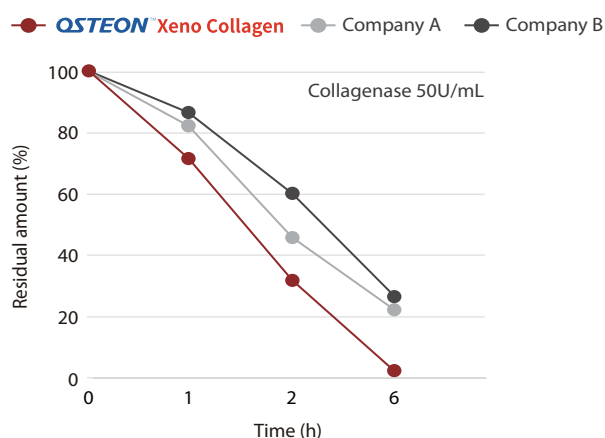
- Natural Bovine Bone Substitute with Collagen
- Easy Handling
- Excellent Osteoconductivity



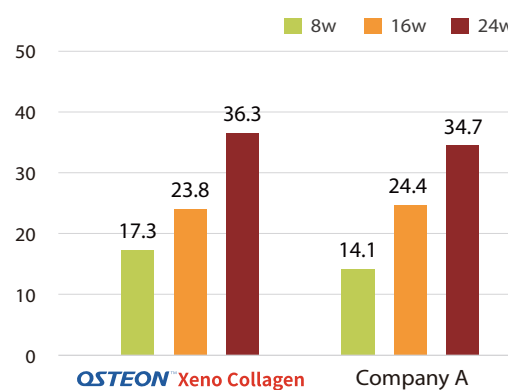
Microstructure



Collagen Degradation Rate



New Bone Volume (%)



Order Information

Type	Particle size (mm)	φSize (mm)	REF
Cylinder	5.0	6.0	XC0605
	10.0		XC0610

Type	Width (mm)	Length (mm)	Height (mm)	REF
Block	8.0	8.0	10.0	XC0810

02 Membrane

Collagen Membrane Soft microstructure

Collagen Membrane Hard

Applications

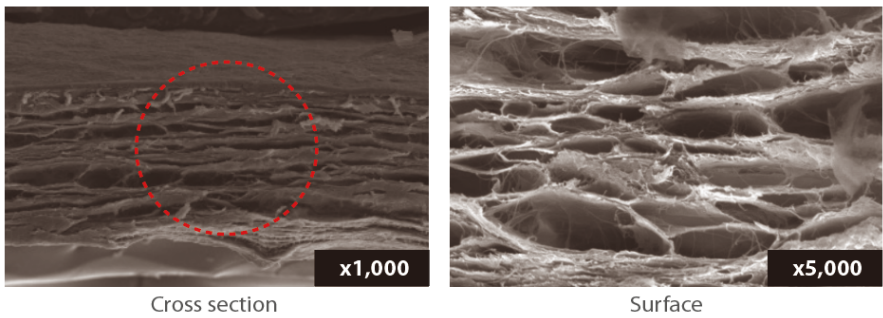
- Guided bone regeneration
- Alveolar ridge augmentation
- Extraction sites (Implant preparation / Placement)

Characteristics

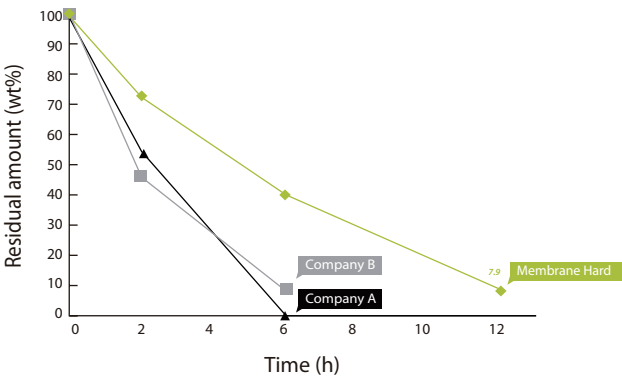
- Easy handling (Hard type)
- Both sides usable
- Barrier function lasting for 6 months
- Highly pure Type I Collagen



Microstructure



In Vitro Degradation



Order Information

Type	Thickness (mm)	Size (mm)	REF
Square	0.3	10 x 20	GCM1020
		15 x 20	GCM1520
		15 x 30	GCM1530
		20 x 30	GCM2030
		30 x 40	GCM3040

Collagen Membrane Soft

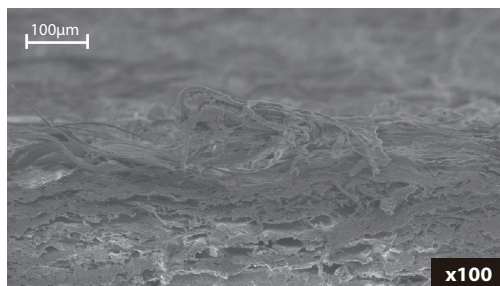
Applications

- Guided bone regeneration
- Ridge augmentation
- Extraction sites (implant preparation / placement)
- Burrito technique (Pin application)

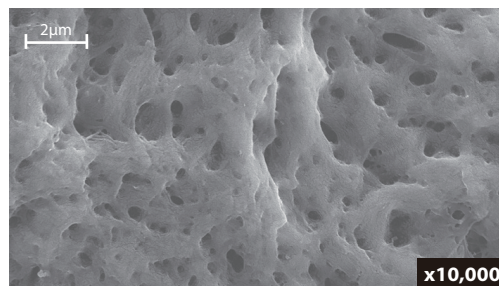
Characteristics

- Highly pure Type I Collagen
- Resorbable barrier membrane lasting for 4 months
- Multi-layered structure
- Easy handling (Soft type)

Microstructure



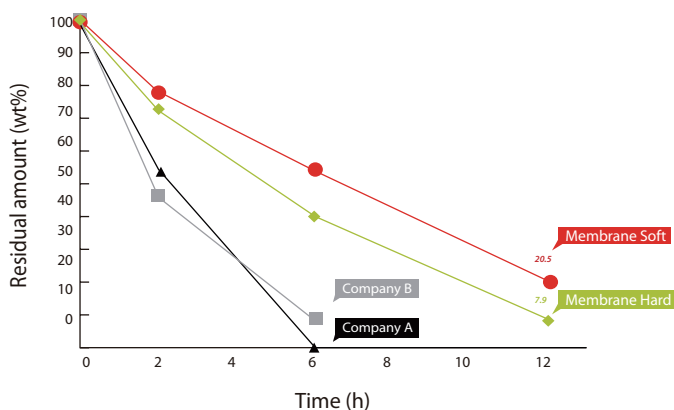
Cross section



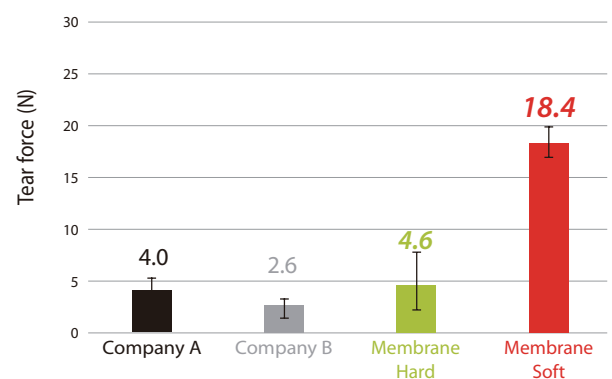
Surface



In Vitro Degradation



Tear force



Order Information

Type	Thickness (mm)	Size (mm)	REF
Square	0.3	10 x 20	CM1020S
		15 x 20	CM1520S
		15 x 30	CM1530S
		20 x 30	CM2030S
		30 x 40	CM3040S

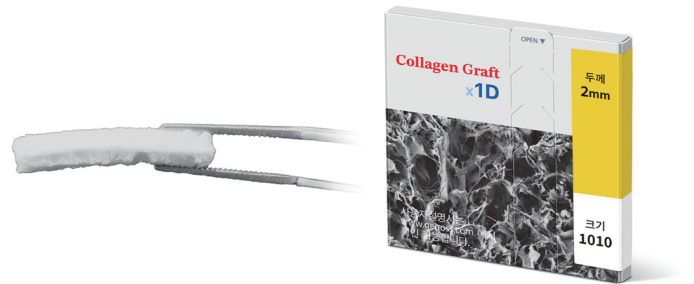
03 Collagen Matrix

Collagen Graft x1D microstructure

Collagen Graft x1D

Applications

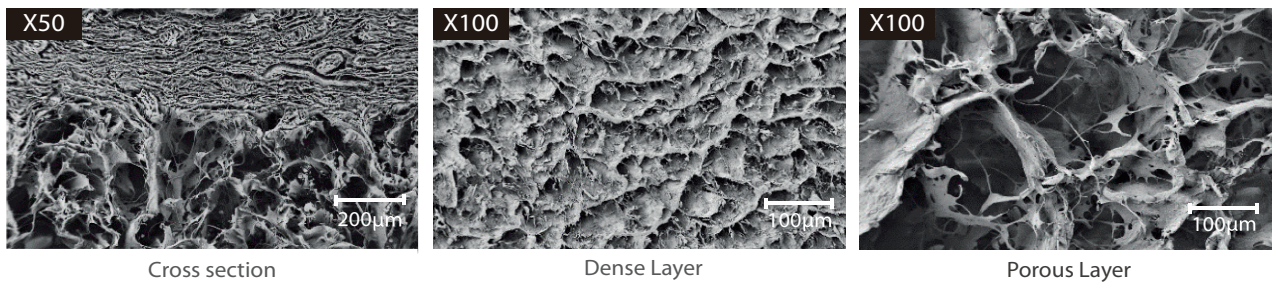
- Ridge Preservation (Open healing)
- Keratinized tissue augmentation
- Recovery of keratinized mucosa
- FGg alternative
- Root coverage



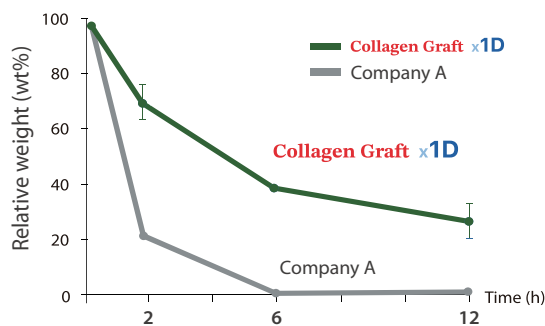
Characteristics

- Highly pure Type I Collagen
- Bilayer structure: Dense & porous layer
- Fast soft tissue healing by epithelization

Microstructure



In Vitro Degradation



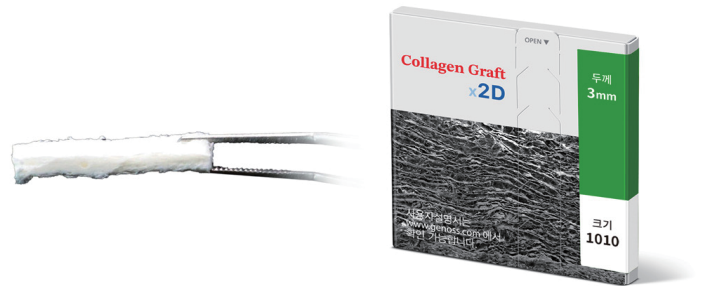
Order Information

Type	Thickness (mm)	Size (mm)	REF
Square	3	10 × 10	PSD1010
		10 × 20	PSD1020
		15 × 20	PSD1520
		20 × 30	PSD2030
	2	10 × 10	PSD1010M
		10 × 20	PSD1020M
		15 × 20	PSD1520M
		20 × 30	PSD2030M

Collagen Graft x2D

Applications

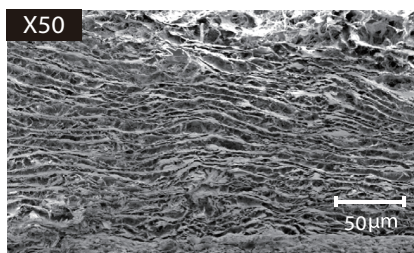
- Ridge Preservation (Open healing)
- Soft tissue augmentation
- Recovery of keratinized mucosa
- Root coverage



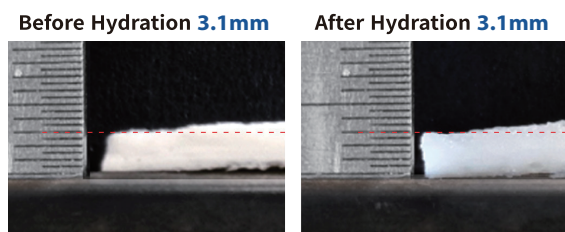
Characteristics

- Type I collagen derived from porcine tendon
- Double-layer structure: dense + porous layer
- Degradation time: Lasting for 1 months

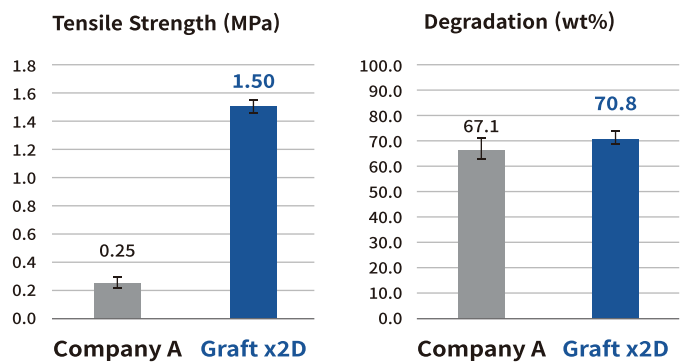
Microstructure



Thickness Change During Hydration



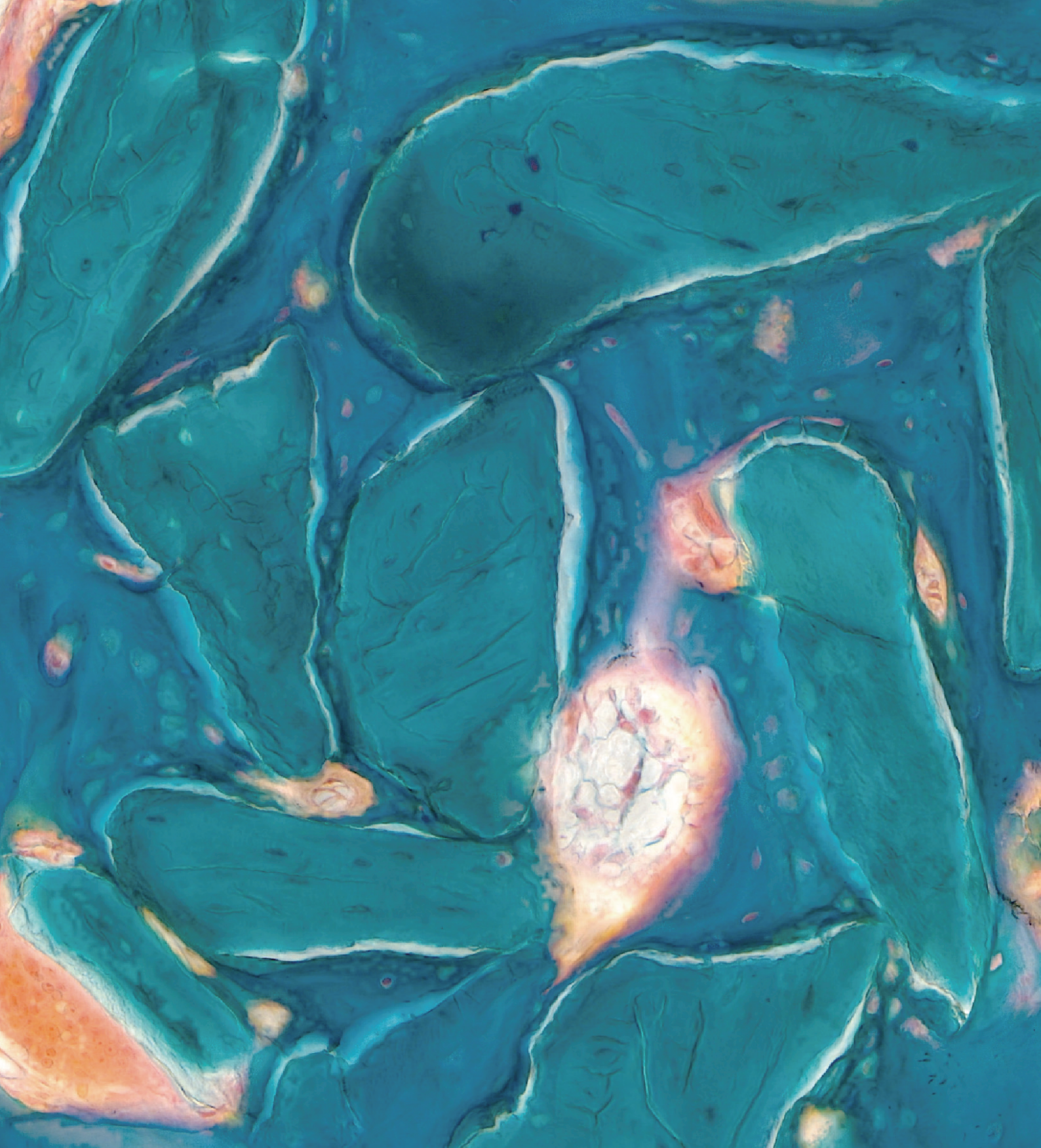
Tensile Strength Evaluation



Order Information

Type	Thickness (mm)	Size (mm)	REF
Square	3	10 × 10	PSD1010D
		10 × 20	PSD1020D
		15 × 20	PSD1520D
		20 × 30	PSD2030D
	2	10 × 10	PSD1010MD
		10 × 20	PSD1020MD
		15 × 20	PSD1520MD
		20 × 30	PSD2030MD

Dentium



Specifications are subject to change without any notice.
Some products listed in this catalog are not available in the market due to pending approval.

Dentium **GENOSS**

CAT-B0401(Rev.6, 2511)

HEAD OFFICE

76, Changnyong-daero 256beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea **Tel** +82-2-555-3750 **Fax** +82-2-501-9560

MANUFACTURER

76, Changnyong-daero 256beon-gil, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea **Tel** +82-31-888-5100

HOMEPAGE

www.dentium.co.kr / www.genoss.com