



Trusted Clinical Solutions

Biomaterials

Portfolio

Bone Grafts
Particulates



Sutures



CustomGraft
Solutions™



Barrier
Membranes







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Endobon Xenograft Granules

Xenogenic Bone Grafts

Key Benefits:

An essentially non-resorbable material that is suited for regeneration of defects when effective space maintenance is required.¹

Clinical Advantages:

- Fully deproteinized bovine-derived hydroxyapatite²
- Non-resorbable for predictable volume stability and maintenance³
- Osteoconductive due to the interconnecting micro and macro pores for bony integration, which facilitate graft stability and vascular ingrowth¹
- Xenograft particles will be surrounded by newly formed vital bone⁴

Shown Clinically Successful in:

- Filling defects after resection, cystectomy, apicoectomy, or other defects in the alveolar ridge or wall^{5,6}
- Peri-implant defects⁷⁻⁹
- Alveolar ridge augmentation, including aesthetic contouring defects^{1,10,11}
- Extraction socket grafting¹²
- Sinus elevation^{4,13}

Endobon Xenograft Granules

Catalog No.	Description
ROX05	0.5–1 mm/0.5 ml
ROX10	0.5–1 mm/1 ml
ROX20	0.5–1 mm/2 ml
ROXLG20	1–2 mm/2 ml
ROXLG50	1–2 mm/5 ml (5 units @ 1 ml each)
ROXLG80	1–2 mm/8 ml (8 units @ 1 ml each)

Shelf-life: 18 months



1. Block M.S. et al. J Oral Maxillofac Surg (2013) 71:1513-1519. 2. Tadic D. et al. Biomaterials (2004) 25:987-94. 3. Block M.S. et al. J Oral Maxillofac Surg (2012) 70:1321-1330. 4. Nevins M. et al. Int J Periodontics Restorative Dent (2011) 31:227-35. 5. Endobon Xenograft IFU latest revision. 6. Block M.S. J Oral Maxillofac Surg (2018) 77:690-697. 7. De Angelis N. et al. Eur J Oral Implantol (2011) 4:313-25. 8. Renvert S. et al. J Clin Periodontol (2018) 45:1266-1274. 9. Negri B. et al. Quintessence Int. (2016) 47:123-139. 10. Barone A. et al. Int J Periodontics Restorative Dent (2013) 33:795-802. 11. Castillo R.a.D. Inside Dent (2011) 7:94-96. 12. Fischer K.R. et al. Int J Periodontics Restorative Dent (2018) 38:549-556. 13. Testori T. et al. Int J Periodontics Restorative Dent (2012) 32:295-301.



RegenerOss Resorbable Xenograft

Xenogenic Bone Grafts

Key Benefits:

RegenerOss Resorbable Xenograft has up to 95% porosity¹ enabling osteoconductivity and adequate space for new bone formation.

Clinical Advantages:

- Osteoconductive surface and interconnecting macro and microscopic porous structure that support the formation and ingrowth of new bone at the implantation site^{2,3}
- Clinical results showing new bone formation, both around and within the particles⁴
- Porcine-derived carbonate apatite shows superior osteoconductive potential than hydroxyapatite^{5,6}
- Resorption and remodelling profiles are closer to human bone than those of synthetic bone graft substitutes⁶
- Easy-to-use syringe

Shown Clinically Successful in:

- Augmentation around implants³
- Alveolar ridge augmentation/reconstruction^{3,7}
- Sinus lifts³
- Extraction sockets^{4,8-10}
- Periodontal defects³

RegenerOss Resorbable Xenograft

Catalog No.	Description
ROXR05	RegenerOss Resorbable Xenograft, 0.25–1 mm/0.5 cc
ROXR10	RegenerOss Resorbable Xenograft, 0.25–1 mm/1.0 cc
ROXR20	RegenerOss Resorbable Xenograft, 0.25–1 mm/2.0 cc
ROXR40	RegenerOss Resorbable Xenograft, 0.25–1 mm/4.0 cc
ROXRLG10	RegenerOss Resorbable Xenograft, 1–2 mm/1.0 cc
ROXRLG20	RegenerOss Resorbable Xenograft, 1–2 mm/2.0 cc
ROXRS025	RegenerOss Resorbable Xenograft, Syringe, 0.5–1 mm/0.25 cc
ROXRS05	RegenerOss Resorbable Xenograft, Syringe, 0.5–1 mm/0.5 cc

Shelf-Life Small & Large Particles: Three (3) years

Shelf-Life Syringe: Two (2) years



1. Data on File with Collagen Matrix Inc. 2. Klenke F.M. et al. J Biomed Mater Res A (2008) 85A:777-786. 3. RegenerOss Xenograft IFU latest revision. 4. Guarnieri R. et al. Regen Biomater (2017) 4:125-128. 5. Spence G. et al. J Biomed Mater Res A (2009) 90A:217-224. 6. Ellies L.G. et al. J Biomed Mater Res (1988) 22:137-48. 7. Cucchi A. et al. J. Oral Implantol. (2019) 45:59-64. 8. Guarnieri R. et al. J Oral Maxillofac Res (2019) 10:e3. 9. Guarnieri R. et al. J Oral Maxillofac Res (2017) 8:e5. 10. Lai V.J. et al. J Periodontol (2020) 91:361-368.



AccuraMesh and AccuraPlate

CustomGraft Solutions

Key Benefit:

AccuraMesh and AccuraPlate products are designed using a fully digital workflow. Data from 3D medical imaging devices combined with modern Computer-Aided Design (CAD) software and state-of-the-art Computer-Aided Manufacturing (CAM) processes result in high quality customized medical devices for guided bone regeneration procedures.¹

Clinical Advantages:

- AccuraMesh and AccuraPlate are CAD/CAM manufactured and fit precisely to the defect site²
- Two material options available, surgical grade PEEK and Titanium (Titanium for AccuraMesh only)
- Pre-planned screw positions for reliable fixation
- Sterile packaged (ETO sterilized): 10⁻⁶ Sterility assurance level³⁻⁵
- Additional manual adjustment of the bone bed or of the Accura products is seldomly required^{2, 6}
- Reduced surgery time and morbidity^{2,7}

AccuraPlate is Typically Used in:

- Regeneration of horizontal bone defects⁵

AccuraMesh is Typically Used in:

- Regeneration of horizontal and/or vertical bone defects^{1,3,4}

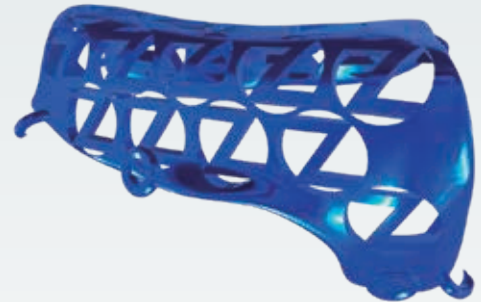
AccuraMesh Products

Catalog No.	Description
TICMS	Titanium AccuraMesh Standard (up to 6 missing teeth)
TICML	Titanium AccuraMesh Large (7 or more missing teeth)
PCMS	PEEK AccuraMesh Standard (up to 6 missing teeth)
PCML	PEEK AccuraMesh Large (7 or more missing teeth)

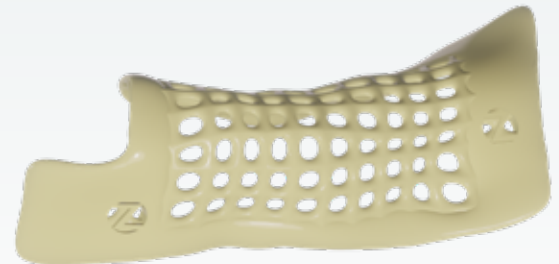
AccuraPlate Products

PCPS	PEEK AccuraPlate Standard (up to 4 missing teeth)
PCPL	PEEK AccuraPlate Standard (5 or more missing teeth)

Shelf-life: Six (6) months⁸



Titanium AccuraMesh



PEEK AccuraMesh



PEEK AccuraPlate

1. Cruz N. et al. Materials (2020) 13:2177. 2. Lehman H. et al. Int J Oral Maxillofac Implants (2014) 29:e259-64. 3. Titanium AccuraMesh IFU latest revision. 4. PEEK AccuraMesh IFU latest revision. 5. PEEK AccuraPlate IFU latest revision. 6. Parthasarathy J. Ann Maxillofac Surg (2014) 4:9-18. 7. El Chaar E. et al. Int J Periodontics Restorative Dent (2019) 39:491-500. 8. Data on file with ResDevMed



OsseoGuard and OsseoGuard Flex

Resorbable Barrier Membranes

Key Benefit:

Two levels of drapability for ease of use in various clinical procedures.¹

Clinical Advantages:

- Made of bovine achilles tendon (OsseoGuard)¹ and highly purified bovine dermis (OsseoGuard Flex)²
- Barrier time 6–9 months¹⁻³
- Not side specific for convenient handling⁴
- Can be trimmed, placed dry, or hydrated and finally sutured in place^{1,2}
- Performs when primary closure has not been achieved (OsseoGuard Flex)⁴
- Space maintaining (OsseoGuard)⁵

Shown Clinically Successful in (OsseoGuard):

- Periodontal and/or dental surgery procedures¹
- In the area of periodontal defects, dental implant, bone defect, or ridge reconstruction^{1,6-9}

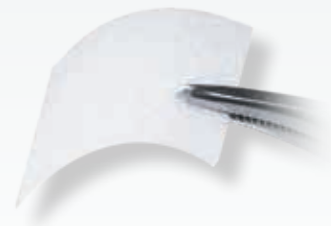
Shown Clinically Successful in (OsseoGuard Flex):

- Augmentation around implants placed in immediate extraction sockets, delayed extraction sockets^{2,10-12}
- Localized ridge augmentation for later implantation^{2,13}
- Alveolar ridge reconstruction for prosthetic treatment²
- Filling of bone defects²
- Guided bone regeneration in dehiscence defects²
- Guided tissue regeneration procedures in periodontal defects²

OsseoGuard



OsseoGuard Flex



OsseoGuard Membrane

Catalog No.	Description
OG1520	OsseoGuard Resorbable Collagen Membrane, 15 x 20 mm
OG2030	OsseoGuard Resorbable Collagen Membrane, 20 x 30 mm
OG3040	OsseoGuard Resorbable Collagen Membrane, 30 x 40 mm

Shelf-life: Three (3) years

OsseoGuard Flex Membrane

Catalog No.	Description
OGF1520	OsseoGuard Flex Resorbable Collagen Membrane, 15 x 20 mm
OGF2030	OsseoGuard Flex Resorbable Collagen Membrane, 20 x 30 mm
OGF3040	OsseoGuard Flex Resorbable Collagen Membrane, 30 x 40 mm

Shelf-life: Three (3) years

1. OsseoGuard Membrane IFU latest revision. 2. OsseoGuard Flex Membrane IFU latest revision. 3. Data on File with Collagen Matrix Inc. 4. Data on File with Zimmer Biomet Dental. 5. Block M.S. et al. J Oral Maxillofac Surg (2013) 71:1513-1519. 6. Fischer K.R. et al. Int J Periodontics Restorative Dent (2018) 38:549-556. 7. Tan-Chu J.H. et al. Int J Periodontics Restorative Dent (2014) 34:399-403. 8. Block M.S. et al. J. Oral Maxillofac. Surg. (2012) 70:1321-1330. 9. Nevins M. et al. Int J Periodontics Restorative Dent (2011) 31:227-35. 10. Chasioti E. et al. Case reports in dentistry (2015) Article ID 439706:8pages. 11. Castillo R.a.D. Inside Dent (2011) 7:94-96. 12. Felice P. et al. Eur J Oral Implantol (2015) 8:375-84. 13. Chasioti E. et al. Quintessence Int (2013) 44:763-71.



OsseoGuard PTFE Non-Resorbable Membranes

Non-Resorbable Barrier Membranes

Key Benefit:

OsseoGuard PTFE Membranes are manufactured of 100% Dense (non-expanded) PTFE which are impervious to bacteria.^{1,2}

Clinical Advantages of Non-Textured, High-Density PTFE Membrane³:

- Non-Resorbable: Won't resorb prematurely – you can better manage healing time
- 100% Dense (non-expanded) PTFE – Impervious to bacteria (pore size less than 0.3 µm)
- Can be left exposed – Less surgical time, preservation of soft-tissue architecture, and keratinized mucosa
- Soft-tissue attaches, but doesn't grow through the membrane
- Most cost effective OsseoGuard PTFE membrane

Clinical Advantages of Textured, High-Density PTFE Membranes³:

- Textured surface – Designed to increase membrane stabilization
- Non-Resorbable – Won't resorb prematurely – you can better manage healing time
- 100% Dense (non-expanded) PTFE – Impervious to bacteria (pore size less than 0.3 µm)
- Purposely leave the membrane exposed
- Soft-tissue attaches but doesn't grow through the membrane



OsseoGuard PTFE Non-Textured Membranes



OsseoGuard PTFE Textured Membranes

OsseoGuard PTFE Non-Textured Membranes

Catalog No.	Description	Units per box
NTXR1224-10	Non-textured small, 12 x 24 mm	10
NTXR2530-4	Non-textured large, 25 x 30 mm	4

Shelf-life: Four (4) years

OsseoGuard PTFE Textured Membranes

Catalog No.	Description	Units per box
TXR1224-1	Textured small, 12 x 24 mm	1
TXR1224-10		10
TXR2530-1	Textured large, 25 x 30 mm	1
TXR2530-4		4

Shelf-life: Four (4) years

1. Barboza E.P. et al. Implant Dent (2010) 19:2-7. 2. Hoffmann O. et al. J Periodontol (2008) 79:1355-69. 3. Data on file with manufacturer and available upon request.



OsseoGuard PTFE Non-Resorbable Membranes

Non-Resorbable Barrier Membranes

Clinical Advantages of Titanium-Reinforced, High-Density PTFE Membrane¹

- Grade 1 titanium, lightweight framework – easy to form in three dimensions and retains no memory
- Can be molded and shaped for tenting and space maintenance²
- Two different thicknesses (150 µm and 250 µm) resulting in two different handling options
- Demonstrated performance in horizontal and vertical grafting procedures^{2, 3}

OsseoGuard PTFE Titanium-Reinforced Membranes



OsseoGuard PTFE Non-Textured Membranes			
Catalog No.		Description	Units (per box)
TR250 (250 µm thick)	TR150 (150 µm thick)		
TR250AE-1	TR150AE-1	Anterior Extraction, 12 x 24 mm	1
TR250AE-2	TR150AE-2		2
TR250AEY-1	TR150AEY-1	Anterior Extraction, 14 x 24 mm	1
TR250AEY-2	TR150AEY-2		2
TR250LF-1	TR150LF-1	Large Facial, 17 x 25 mm	1
TR250LF-2	TR150LF-2		2
TR250PE-1	TR150PE-1	Posterior Extraction, 20 x 25 mm	1
TR250PE-2	TR150PE-2		2
TR250P-1	TR150P-1	Posterior, 25 x 30 mm	1
TR250P-2	TR150P-2		2
TR250SMT-1	TR150SMT-1	Small-T, 25 x 36 mm	1
TR250SMT-2	TR150SMT-2		2
TR250LGT-1	TR150LGT-1	Large-T, 30 x 41 mm	1
TR250LGT-2	TR150LGT-2		2
TR250RAX-1	TR150RAX-1	Ridge Augmentation X, 30 x 40 mm	1
TR250RAX-2	TR150RAX-2		2
TR250RAK-1	TR150RAK-1	Ridge Augmentation K, 30 x 40 mm	1
TR250RAK-2	TR150RAK-2		2
TR250RAKL-1	TR150RAKL-1	Ridge Augmentation K, 40 x 50 mm	1
TR250RAKL-2	TR150RAKL-2		2
TR250PN-1	TR150PN-1	Perio Narrow, 13 x 19 mm	1
TR250PN-2	TR150PN-2		2
TR250PW-1	TR150PW-1	Perio Wide, 13 x 18 mm	1
TR250PW-2	TR150PW-2		2
TR250TCS-1	TR150TCS-1	Trans Crestal, 24 x 38 mm	1
TR250TCS-2	TR150TCS-2		2
TR250TCL-1	TR150TCL-1	Trans Crestal, 38 x 38 mm	1
TR250TCL-2	TR150TCL-2		2
TR250PR-1	TR150PR-1	Posterior Ridge, 38 x 38 mm	1
TR250PR-2	TR150PR-2		2

Shelf-life: Four (4) years

1. Data on file with manufacturer and available upon request. 2. Ronda M. et al. Clin Oral Implants Res (2014) 25:859-66. 3. Ronda M. et al. Int J Periodontics Restorative Dent (2015) 35:795-801.



OsseoGuard PTFE Sutures

Sutures

Key Benefit:

Monofilament construction prevents bacterial wicking into surgical sites.

Clinical Advantages:¹

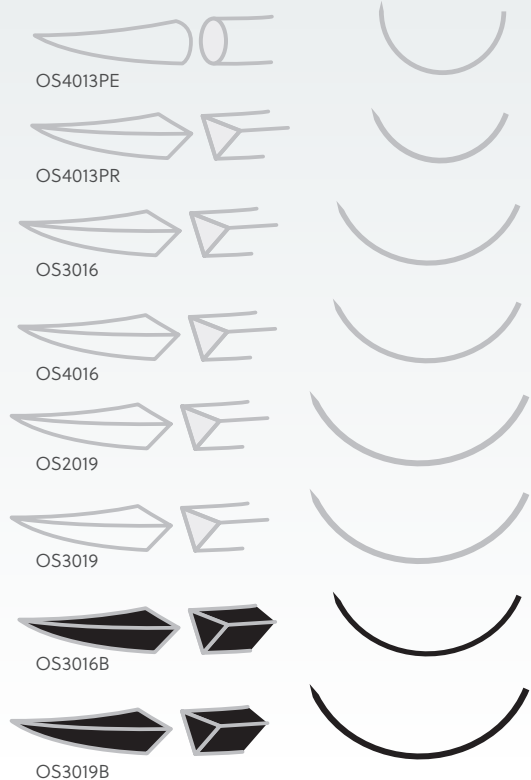
- 100% Medical Grade PTFE – Biologically inert
- Monofilament – does not allow bacteria wicking into the surgical site
- Soft and comfortable for patients
- Excellent handling and knot security
- Non-resorbable – Keeps the surgical site reliably closed



OsseoGuard PTFE Sutures

Item No.	Description	Units per box
OS4013PE	USP 4-0, 13 mm, 1/2 circle round body taper point, L 45 cm	12
OS4013PR	USP 4-0, 13 mm, 3/8 circle precision reverse cutting, L 45 cm	12
OS3016	USP 3-0, 16 mm, 3/8 circle precision reverse cutting, L 45 cm	12
OS4016	USP 4-0, 16 mm, 3/8 circle precision reverse cutting, L 45 cm	12
OS2019	USP 2-0, 19 mm, 3/8 circle precision reverse cutting, L 45 cm	12
OS3019	USP 3-0, 19 mm, 3/8 circle precision reverse cutting, L 45 cm	12
OS3016B	USP 3-0, 16 mm, 3/8 circle precision reverse cutting black, L 45 cm	12
OS3019B	USP 3-0, 19 mm, 3/8 circle precision reverse cutting black, L 45 cm	12

Shelf-life: Four (4) years



1. Data on file with manufacturer and available upon request.



SAFESCRAPER TWIST - Cortical Bone Collector

Instruments

Key Benefit:

Effectively harvesting autogenous bone which contains viable bone cells which might contribute to the outcome of bone grafting procedures.¹

Clinical Advantages:

- Provides 160° cutting area to effectively harvest² up to 5 cc of cortical bone
- Available in curved and straight designs facilitating access to hard-to-reach posterior regions
- Harvested bone is contained in a sterile chamber
- Harvested bone contains viable bone cells and shows high osteogenic potential^{1,3}
- Higher cell viability, cell proliferation, osteogenic potential, and release of growth factors compared to other harvesting methods^{3,4}



SAFESCRAPER TWIST Bone Collector

Catalog No.	Description
3598	Disposable Cortical Bone Collector, 3 u/pk Straight
3987	Disposable Cortical Bone Collector, 3 u/pk Curved

Shelf-life: Three (3) years

1. Zaffe D. et al. Clin Oral Implants Res (2007) 18:525-533. 2. Safescraper IFU latest revision. 3. Miron R.J. et al. J Dent Res (2011) 90:1428-33. 4. Miron R.J. et al. Clin Implant Dent Relat Res (2013) 15:481-489.

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