biologics
product catalog

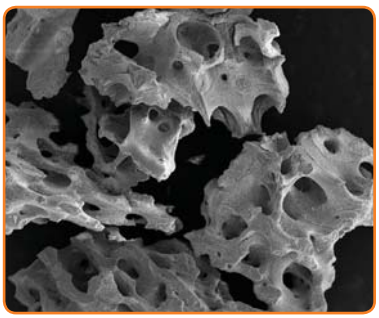
HENRY SCHEIN® DENTAL | Rely on Us™

BIOHORIZONS®

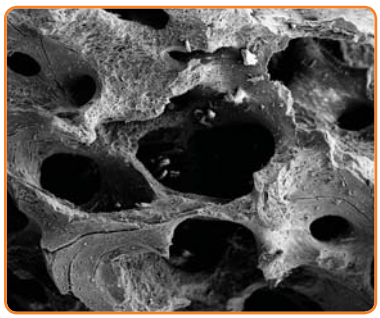
SCIENCE • INNOVATION • SERVICE

MinerOss® XP

MinerOss XP is a highly porous anorganic porcine bone mineral matrix designed for hard tissue grafting applications. Increased porosity allows for optimal osteoconductivity and adequate space for new bone deposition.



SEM at 25x



SEM at 75x

applications include

- ridge and sinus augmentation
- extraction socket grafting
- infrabony periodontal defects
- grafting for implant placement

Ordering information

BH-MINXPCAN05SM	MinerOss XP Cancellous	0.5cc, 0.25 - 1mm	$108.20
BH-MINXPCAN10SM	MinerOss XP Cancellous	1.0cc, 0.25 - 1mm	$185.00
BH-MINXPCAN10LG	MinerOss XP Cancellous	1.0cc, 1 - 2mm	$185.00
BH-MINXPCAN20SM	MinerOss XP Cancellous	2.0cc, 0.25 - 1mm	$299.00
BH-MINXPCAN20LG	MinerOss XP Cancellous	2.0cc, 1 - 2mm	$299.00
BH-MINXPCAN40SM	MinerOss XP Cancellous	4.0cc, 0.25 - 1mm	$540.00

MinerOss® Cortical & Cancellous Chips

MinerOss® Cortical & Cancellous Chips is a mixture of allograft mineralised cortical and cancellous chips. The cancellous and cortical blend forms an osteoconductive scaffold providing volume enhancement and effective site development for successful dental implant placement.
(Particle size ranges from 600-1250 microns)

- Facilitates bone formation through retention of natural osteoconductive properties
- Provides the advantage of having the combination of cortical and cancellous chips in one vial
- The mixture of cortical and cancellous chips provides limited stability and space maintaining properties during the bone remodeling process

Applications include

- Ridge and sinus augmentation
- Socket grafting
- Periodontal defects
- Grafting for implant placement

Cortical chips provide structure for space maintenance

Cancellous chips have increased surface area for bone forming cells to deposit.

Ordering information

BH-MO-C05	0.5cc Vial	$180.00
BH-MO-C10	1.0cc Vial	$255.00
BH- MO-C25	2.5cc Vial	$469.00

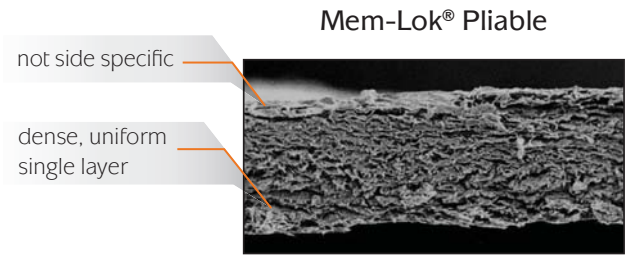
Mem-Lok® Pliable

Mem-Lok® Pliable is a strong, conformable collagen barrier membrane manufactured from highly purified porcine tissue.

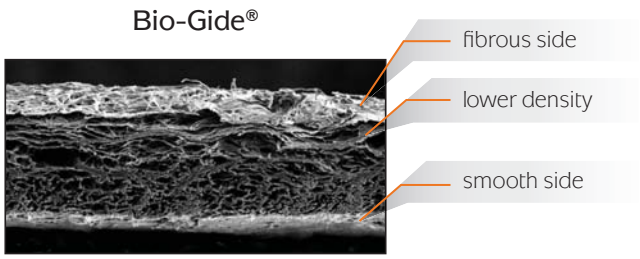
- single layer intact collagen
- not side specific
- cell occlusive
- 12-16 week resorption time
- high suture pull out strength

applications include

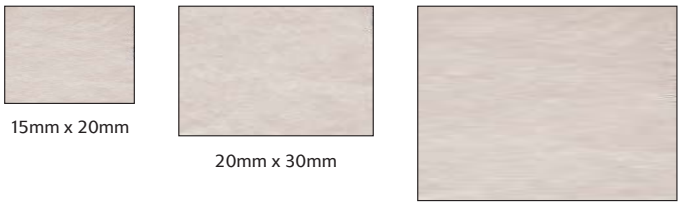
- extraction sites
- ridge augmentation
- graft containment around immediate implants
- periodontal defects



SEM (cross-section) at 50x



SEM (cross-section) at 50x



Ordering information

BH-PBLE-ML1520	Mem-Lok® Pliable	15mm x 20mm	$205.00
BH-PBLE-ML2030	Mem-Lok® Pliable	20mm x 30mm	$305.00
BH-PBLE-ML3040	Mem-Lok® Pliable	30mm x 40mm	$410.00

BIOHORIZONS®

AlloDerm® Regenerative Tissue Matrix

Since its introduction to dentistry in 1997, AlloDerm® Regenerative Tissue Matrix (RTM) has been a widely accepted acellular dermal matrix (ADM) for soft tissue applications. AlloDerm® RTM supports tissue regeneration by allowing rapid revascularisation, white cell migration and cell population – ultimately being transformed into host tissue for a strong, natural repair.
(Thickness ranges from 0.9-1.6mm)

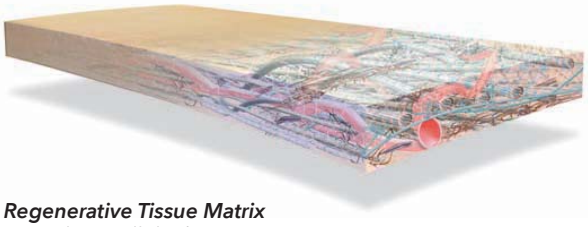
- Most published ADM in implant dentistry
- Reduced post-operative complications as shown in trials
- Randomised clinical trials indicated no statistical difference to connective tissue for recession coverage

Applications include

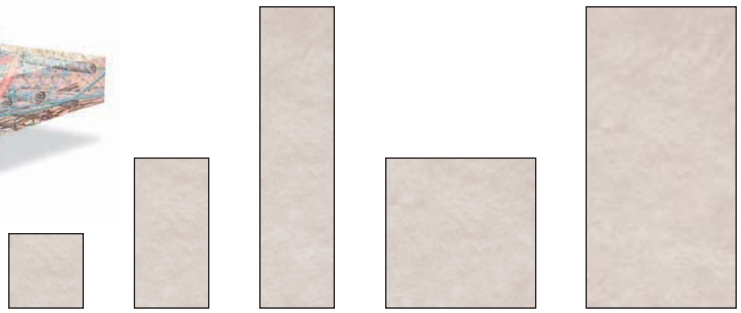
- Root coverage
- Gingival augmentation
- Soft tissue ridge augmentation
- Soft tissue augmentation around implants

AlloDerm® RTM can be stored at room temperature

AlloDerm® RTM case images courtesy of Dr. Edward P. Allen, Dallas, Texas



Regenerative Tissue Matrix
Complex acellular heterogenous scaffold and blood vessel architecture; dehydrated and ready to implant



Ordering information

BH-ALLODERM1x1	AlloDerm® RTM 1cm x 1cm	$255.00
BH-ALLODERM1x2	AlloDerm® RTM 1cm x 2cm	$355.00
BH-ALLODERM1x4	AlloDerm® RTM 1cm x 4cm	$485.00
BH-ALLODERM2x4	AlloDerm® RTM 2cm x 4cm	$679.80

Bone Regeneration Instrumentation

BioHorizons Bone Fixation Screw Kit

Indicated for use in fixation of cortical onlay grafts and meshes and for membrane tenting used in Guided Bone Regeneration. The kit is compact and conveniently organised for efficient retrieval of instruments and screws. It includes cortical bone drills for both latch-type and friction-grip handpieces.

Kit includes:

- Flexible micro mesh
- Screwdriver body
- Comprehensive instrument set
- Autoclavable screw block with lid
- 24 Screws:
  (6) 1.4mm x 8.0mm micro screws
  (6) 1.4mm x 10.0mm micro screws
  (6) 2.0mm x 10.0mm mini screws
  (6) 2.0mm x 12.0mm mini screws

BH-160-900

BioHorizons Auto-Tac® System Kit

The AutoTac® System Kit is used to secure membranes with the push of a button. The efficient "no touch" tack system with a convenient one-handed delivery mechanism effectively fixates membranes.

Kit includes:

- Sterilisation tray
- Autoclavable tact cassette (pre-loaded with 21 titanium tacks)
- Dressing pliers, utility pick-up
- Delivery handle

BH-400-270

Crestal bone stability around implants with horizontally matching connection after soft tissue thickening: a prospective clinical trial

Tomas Linkevicius, DDS, PhD;[1] Algirdas Puisys, DDS;[2] Laura Linkeviciene, DDS, PhD;[3]
Vytaute Peciuliene, DDS, PhD;[4] Markus Schlee, DDS[5]

It has been shown that thin mucosal tissues may be an important factor in crestal bone loss etiology. Thus, it is possible that mucosal tissue thickening with allogenic membrane might reduce crestal bone loss. The purpose of this study was to evaluate how implants with a traditional connection maintain crestal bone level after soft tissue thickening with allogenic membrane.

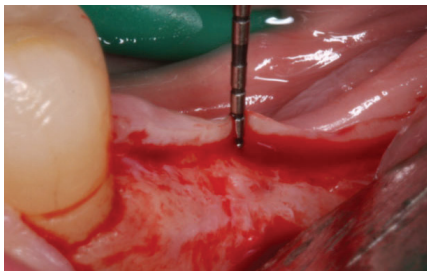


Fig 1. Vertical measurement of thin mucosal tissues before implant placement (2mm or less).

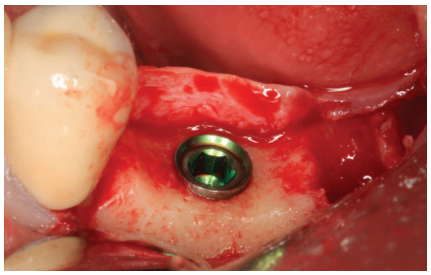


Fig 2. Supracrestal positioning of implant approximately 0.5 to 1 mm above bone crest.

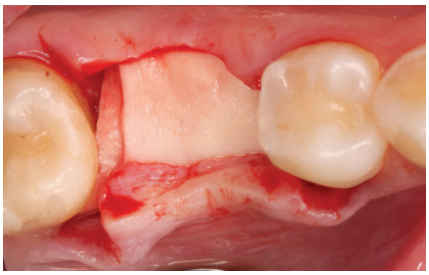


Fig 3. Implant placement site covered with AlloDerm™ Regenerative Tissue Matrix (RTM).

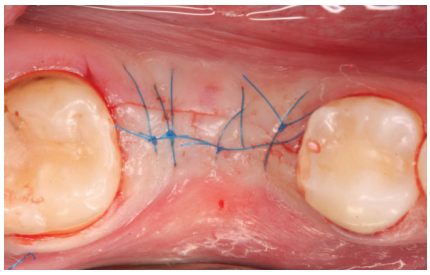


Fig 4. Sutured without tension full-thickness flap.

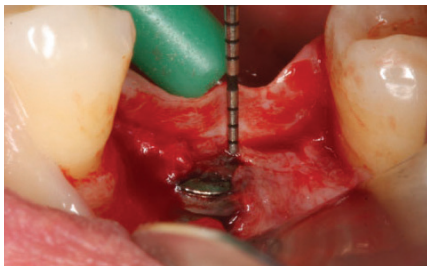


Fig 5. After 2 months of healing, measurement of increased soft tissue thickness after augmentation with allograft (Group B).

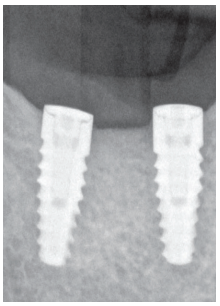


Fig 6. Crestal bone levels after implant placement in thickened soft tissue group.

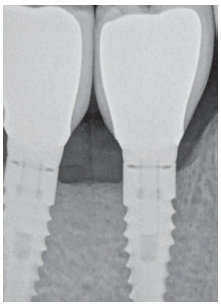


Fig 7. Crestal bone levels after 1-year follow-up in thickened soft tissue group.

Methods & Materials

- 103 patients received 4.6mm diameter internal hex implants
- According to gingival thickness, patients were assigned to 3 groups:
  - **Group A*** = thin tissue
  - **Group B** = thin tissue, thickened with AlloDerm™ RTM
  - **Group C*** = thick tissue
  - *one-stage approach

Results: one year follow-up

	M	D
Group A	1.65mm	1.81mm
Group B	0.31mm	0.34mm
Group C	0.44mm	0.47mm

Crestal Bone Loss (mm)

Conclusions

It can be concluded that thin mucosal tissues may cause early crestal bone loss, but their thickening with allogenic membrane may significantly reduce bone resorption. Implants in naturally thick soft tissues experienced minor bone remodeling.

 1) Associate professor, Faculty of Medicine, Vilnius University, Institute of Odontology, Vilnius, Lithuania; 2) Dr., Vilnius Research Group, Vilnius Implantology Center, Vilnius, Lithuania; 3) Lecturer, Faculty of Medicine, Vilnius University, Institute of Odontology, Vilnius, Lithuania; 4) Professor, Faculty of Medicine, Vilnius University, Institute of Odontology, Vilnius, Lithuania; 5) Dr., Goethe University of Frankfurt, Frankfurt, Germany.

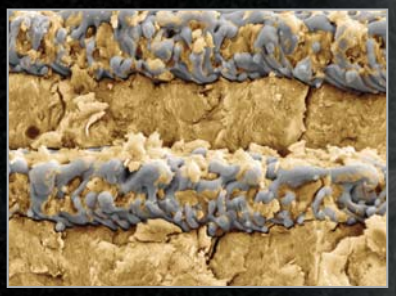
BIOHORIZONS®

better science, better implants

is osseointegration enough?

Only the Laser-Lok surface has been shown using light microscopy, polarised light microscopy and scanning electron microscopy to also be effective for soft tissue attachment.

Colourised SEM shows connective tissue physically attached to the Laser-Lok surface.[1]



Colourised SEM of Laser-Lok® microchannels shows superior osseointegration[3]

interact at laser-lok.com

1. Human Histologic Evidence of a Connective Tissue Attachment to a Dental Implant. M Nevins, ML Nevins, M Camelo, JL Boyesen, DM Kim. International Journal of Periodontics & Restorative Dentistry. Vol. 28, No. 2, 2008. 2. Histologic evidence of a connective tissue attachment to laser microgrooved abutments: a canine study. M Nevins, DDS, DM Kim, DDS, DMSc, SH Jun, DDS, MS, K Guze, DMD, P Schupbach, PhD, ML Nevins, DMD, MMSc. Accepted for publication: IJPRD, Vol 30, No. 3, 2010. 3. Maintaining inter-implant crestal bone height via a combined platform-switched, Laser-Lok® mplant/abutment system: A proof-of-principle canine study. M Nevins, ML Nevins, L Gobbato, HJ Lee, CW Wang, DM Kim. Int J Periodontics Restorative Dent. Volume 33, Number 3, 2013. SPMP17297 REV A OCT 2017