

Xenomatrix®

DENTISTRY

Three-dimensional
collagenic matrix



For soft tissues regeneration

Xenomatrix® is a special three-dimensional collagenic matrix extracted from equine tendon through an advanced biochemical process.

Designed to treat gingival recessions by avoiding autologous tissue harvesting and to promote soft tissue healing in the post-extractive socket.

PROPERTIES



Highly hydrophilic



Does not require pre-hydration



Promotes the formation of new connective tissue



Protect the bone graft for 2-4 weeks and stabilizes the clot

ADVANTAGES



EASY TO APPLY



FASTER AND LESS INVASIVE SURGERY



AVOIDS HARVESTING FROM PALATE*

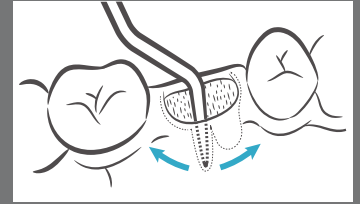
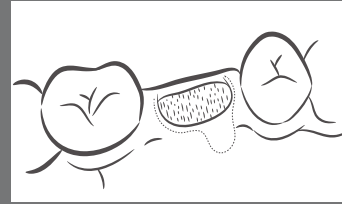
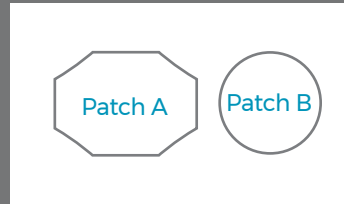


THICKENS GINGIVAL TISSUES AND IMPROVES AESTHETICS

* In particular in cases where the defect has a 1.5-3 mm band of keratinized tissue, the matrix stabilizes the clot by avoiding the harvesting of connective tissue from the palate.

Application Technique

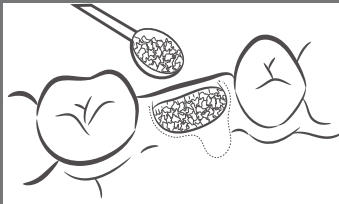
POST-EXTRACTIVE SOCKET - Xenomatrix® - BCG-XC10



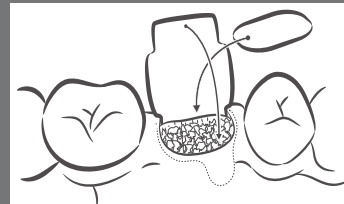
Xenomatrix® comes in two patches, **A** and **B**.

Post-extractive socket.

Elevate the flap around the socket.



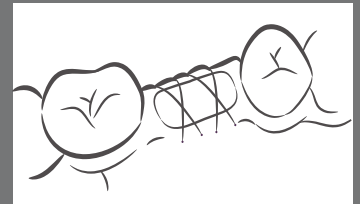
Insert the granules.



a) Pack one of the short sides of **patch A** under the flap
b) Place **patch B** on top of the graft.

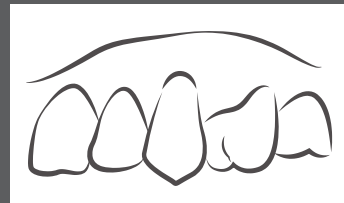


Pack the other sides of the **patch A** under the flap, covering the **patch B**.

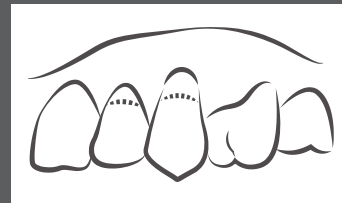


Stabilize with one or two cross stitches.

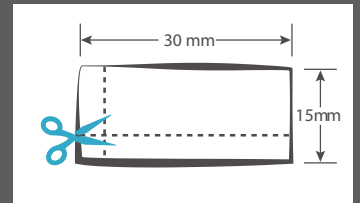
GINGIVAL RECESSIONS - Xenomatrix® - BCG-XC50



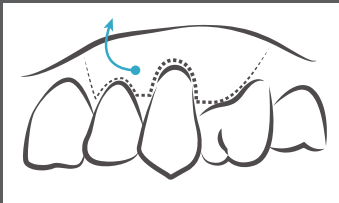
Gingival recessions - RTI type according to Cairo.



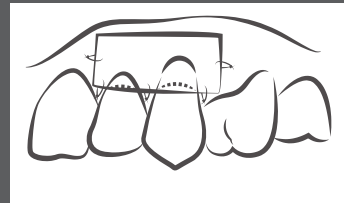
Identify the maximum level of radicular coverage.



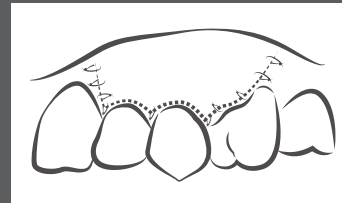
If necessary, cut out the matrix based on the number of the dental elements involved and to the extent of defect to be corrected.



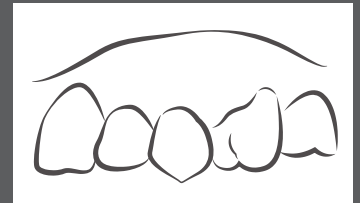
Variable thickness trapezoidal flap elevation.



Place the matrix at the level of the cemento-enamel junction (CEJ).
Fix the matrix with horizontal mattress absorbable sutures and detached stitches at the base of anatomic papillae.



Position the flap coronally at about 1 mm from the CEJ and fix it with sling suture and detached stitches.

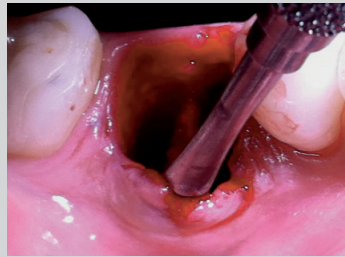


Full coating of gingival recessions

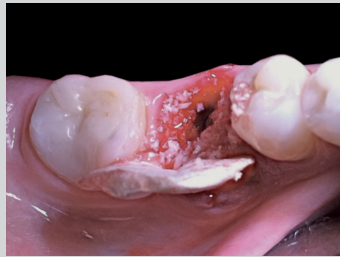
Clinical cases



Post-extractive socket



Flap elevation with papilla preservation



Bone graft and patch A are put in place



Cross-stitch - The matrix is exposed



Healing after 7 days



Healing after 3 months



Final prosthetic abutment



Final crown

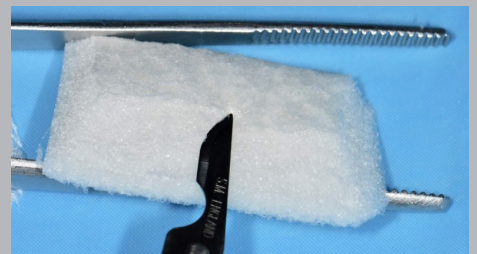
Surgical technique applied by Dr. Alessandro Leonida, DDS, PhD.



Clinical examination: presence of multiple recessions with loss of interdental clinical attachment and non-carious cervical lesions.



Detail of primary incisions, made for the realization of the flap, and the center of rotation, fixed on the canine.



Cutting and shaping of the matrix, to better adapt it to the recipient site; for the operations a scalpel was used.



Shaped matrix in place: The positioning sutures are visible (stitches detached) and those of stabilization (horizontal matrices).



Flap repositioned on the crown via suspended sutures and stabilized release incision with detached stitches.



Healing of multiple gingival recessions at 1 year after surgery: note the excellent root coverage achieved.

Surgical technique applied by Dr. Nicola De Rosa, DDS



[Go to dynamic literature](#)

THE RANGE Xenomatrix®



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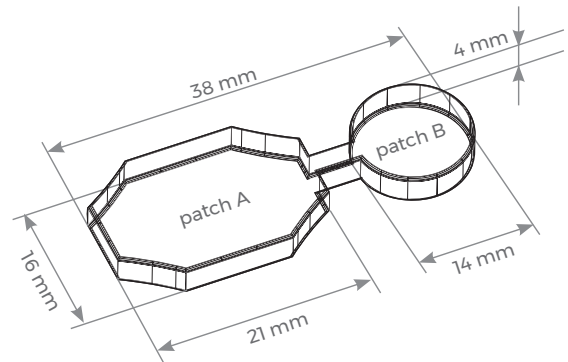
Xenomatrix® Collagenic Matrix

BCG-XC10

Collagen Xenomatrix®

1pc

38x16x4/ø14x4 mm



CE 0477

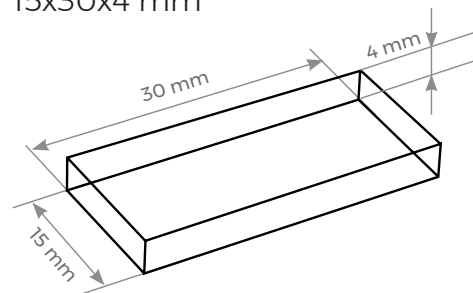
Xenomatrix® Collagenic Matrix

BCG-XC50

Collagen Xenomatrix®

1pc

15x30x4 mm



YOU CAN STILL DONATE BLOOD

Patients treated with all Bioteck medical devices remain suitable for the donation of blood or blood components, as stated in current legislation.



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Bioteck® is an Italian company that has been producing bone substitutes, protective membranes and regenerative solutions successfully used in orthopedics, neurosurgery and oro-maxillo facial surgery since 1995.

Scientific research and innovation are the guiding principles that have enabled Bioteck® to patent new production processes and to create unique biomaterials of high quality in terms of performance level and safety guarantees. Materials now used in 72 countries worldwide.

At its multi-functional center for research and development and thanks to state-of-the-art production processes, every day **Bioteck®** works to pursue its key objective: to innovate biomaterials.

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Bioteck Academy is the innovative and unique scientific community which promotes the circulation and sharing of knowledge in the field of tissue regeneration applied to dentistry, maxillo-facial surgery, orthopedics and neurosurgery.

Established as a hub for the clinical and scientific expertise focussed on by **Bioteck®** spanning twenty years of research, today it is an entity open to all professionals who decide to join and share their own surgical experience.

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BIOTECK®



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