BIOTECK®
The science of bone tissue

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Headquarters

Bioteck® is an Italian company producing bone substitutes and protective membranes that are successfully used in oral and maxillofacial surgery, Orthopaedics and Neurosurgery. Founded in 1995, the company continues to grow constantly and now operates in more than 50 countries around the world.
A firm commitment to scientific research forms the basis for the innovative solutions offered by **Bioteck**® products. The company collaborates on numerous national and international research projects, which have driven the basic research and helped in writing important chapters in bone biology.
The in-depth knowledge acquired by **Bioteck**® through its research ensures the absolute quality of its products, which are subjected to strict environmental and quality controls, thereby guaranteeing a product meeting the highest quality and safety standards.
Bioteck® applies a policy of total transparency, opening up the doors of its Production and R&D Center for the monitoring of its innovative process and the intense scientific research carried out by its staff.

Production and R&D Center

A Guarantee of Quality and Safety

Biochemical Lab/Quality Control

CE 0373

ISO 9001

ISO 13485

BIOTECK®
The science of bone tissue

tissue **regeneration**

tridimensional collagen **matrix**

clinical **success**

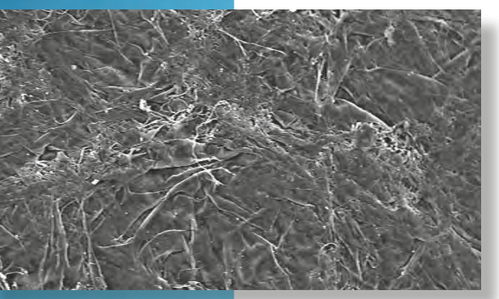
xenomatrix

for a faster tissue healing

xenomatrix: soft tissue **regeneration**

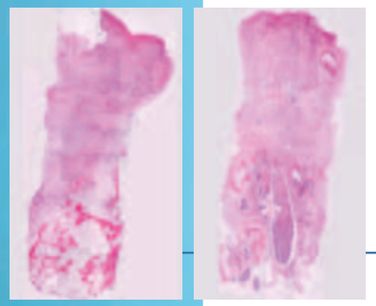
for a faster tissue healing

tridimensional collagen **matrix**



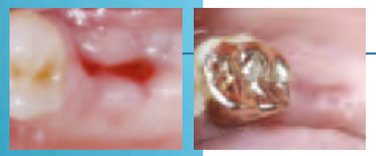
Xenomatrix is a special collagenic tridimensional matrix made of collagen extracted from equine Achilles tendon through an advanced biochemical process. It's a totally biocompatible scaffold that drives the growth of connective tissue cells. While protecting the underlying bone graft from the connective cells invasion, **Xenomatrix** provides the best substrate for the spreading of soft tissue, accelerating healing.
Accelerated healing times contributes to alleviate the patient's discomfort and to decrease the probability of infection, which would compromise the whole surgery success. Healing is optimal, to achieve the best aesthetic result.

histological and clinical **evidence**



Histological slides shows that soft tissue healing with **Xenomatrix** is undistinguishable from healing achievable by simple second intention flap closure. Clinically, faster tissue healing is observed. Epidermal and dermal tissues quality and their final thickness are just identical. Moreover, **Xenomatrix** works as a barrier, preventing connective tissue cells to invade the underlying grafted volume. Providing, therefore, the best condition for a successful bone regeneration and **socket preservation**.

Histological slides at implant insertion (3 months), two adjacent sites in the same patient. Left: spontaneous healing, position 3.6. Right: with Xenomatrix and a Bioteck enzyme-deantigenic bone graft, position 3.7. Soft tissue quality and quantity are identical. Without Xenomatrix, connective tissue partially invaded the socket.



Bilateral case, same patient. Spontaneous healing (left) and healing after grafting Xenomatrix (right). After 21 days healing at the Xenomatrix side is at a much more advanced stage.

an **easy-to-use** collagenic regenerative **solution**

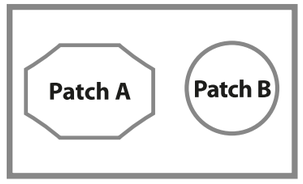
Xenomatrix is provided in a double sterile packaging for the maximum safety in application. The product is, in fact, enclosed in a double PETG blister. The perfect combination is to apply **Xenomatrix** to protect a granular bone graft, according to the special applicative technique later described. This guarantees perfect soft healing regeneration and creates the best conditions for a successful socket preservation.

Xenomatrix Collagen Patch

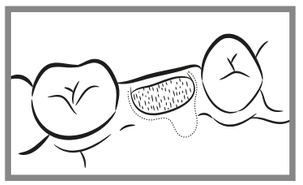
BCG-XC10 *XC Collagen Xenomatrix*
1 pc - 50 x 26 x 4 mm

applicative technique

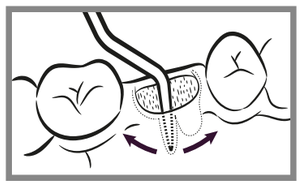
XC Collagen Xenomatrix



Xenomatrix is provided as two patches, A and B

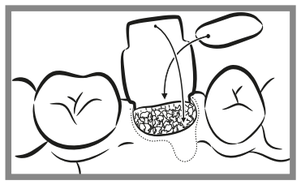


Post-extractive socket

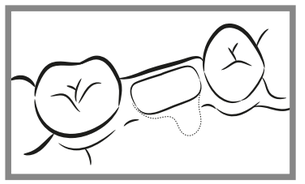


Detach the flap all around the socket

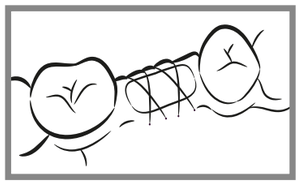
Graft the granules



a) Place one of the short extremities of patch A under the flap
b) Place patch B over the graft

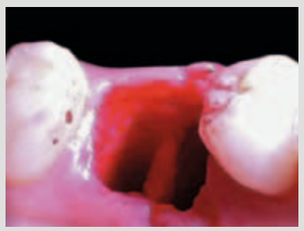


Place the other extremity of patch A under the flap, covering patch B



Stabilize with one or two cross stitches

surgical application



Post-extractive socket

Flap detaching, preserving the papillae

The bone graft and patch A positioning

Cross stitch, Xenomatrix being left exposed

Healing, 7 days

Healing, three months

Definitive prosthetic abutment

Definitive crown

The surgical procedure shown has been developed by Dr. Alessandro Leonida, DDS, PhD.