

Collagen Patch

RESORBABLE MEMBRANE COMPOSED OF TYPE I AND TYPE III COLLAGEN FOR ORTHOPEDICS USE

The NG Bone Collagen Patch is an implantable membrane composed of highly purified Type I and III collagen. It retains the structure and mechanical characteristics of porcine pericardial tissue, providing notable resistance, flexibility, and elasticity.

Its **biological function as a facilitator** in the formation of new tissues makes it an excellent alternative for supporting **healing and regeneration** processes, such as tendon repair and augmentation, while minimizing the risk of future injuries.

Features

• 100% Biocompatible and Resorbable

The implant integrates with the tissue, strengthening it and forming a structure resembling the native tissue.

• Bioinductive

The collagen structure of the membrane supports the formation of new tissue, promoting the natural healing and repair processes.

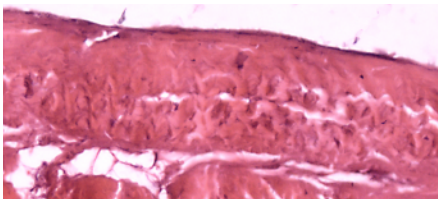
• Reinforcing

The increased thickness and collagen organization in the tissue where the implantation occurs is significantly strengthened.

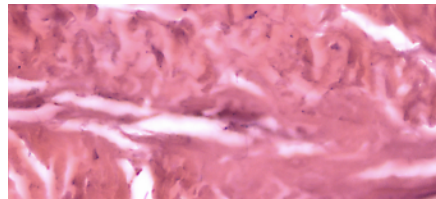
Applications

- Tissue augments in tendon repair to minimize the risk of future ruptures or injuries.
- Anti-adhesive between tendons and a protector for bone implants.
- Tissue regeneration promoter in hand, foot, knee, tibia, or shoulder surgeries.

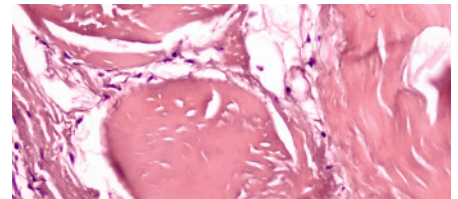
Analysis



Optical Microscopy 100X:
Section and staining with hematoxylin and eosin



Optical Microscopy 200X:
Section and staining with hematoxylin and eosin

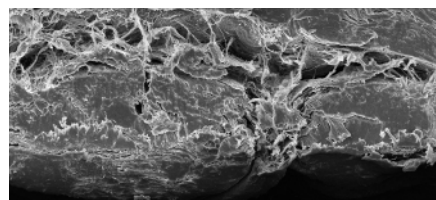


Time: 7 days post-implantation. Serous and fibrous structure of the Collagen Patch in interaction with fibroblasts during an implantation test.

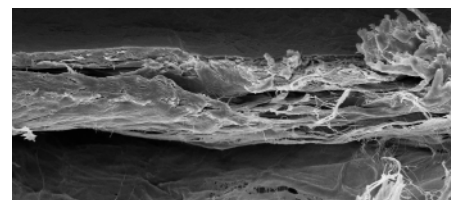
Micrographs



200 µm | Lateral view of the Collagen Patch



50 µm | Lateral view of the gold sputter-coated patch (200x). The fibrous and serous layers are distinguishable.



20 µm | Evidence of native collagen in the Collagen Patch.



100%

PORCINE-DERIVED COLLAGEN

Resorbable collagen membrane derived from porcine tissue.

Presentation

Patch
Patch
Patch

Details

4 x 4 cm
5 x 5 cm
7 x 4 cm