

Natural Biological Barrier for Guided Tissue Regeneration



TISSUM Collagen Membrane

Resorbable Porcine Pericardium Collagen Membrane.
Authorized by A.N.M.A.T. PM-2312-3

The Resorbable Collagen Membrane by TISSUM Biomaterials represents the forefront of biomimetic solutions for guided tissue regeneration.

Inspired by the natural extracellular matrix (ECM) of the pericardium, this membrane is engineered to provide an optimal environment for cellular migration, proliferation, and differentiation, promoting effective tissue repair and regeneration.

100% COLLAGEN FROM THE SOURCE

The membrane is derived from processed porcine pericardium, preserving its collagen-rich matrix, composed primarily of naturally cross-linked Type I and Type III collagen threads.

NATURAL STRUCTURE

Its microporous structure is nutrient-permeable, promoting neovascularization while serving as a barrier against soft tissue cell infiltration.

ELASTIC & ADAPTABLE

This purified natural pericardial matrix contains elastin, providing elasticity, high mechanical resistance, and excellent adaptation to the implantation site. It allows for various fixation methods, including tacks and sutures

EFFICIENT RESORPTION

The TISSUM Collagen Membrane exhibits an estimated resorption rate of 2 to 4 months after implantation, depending on factors such as exposure to the oral cavity, implant site conditions, and patient health.

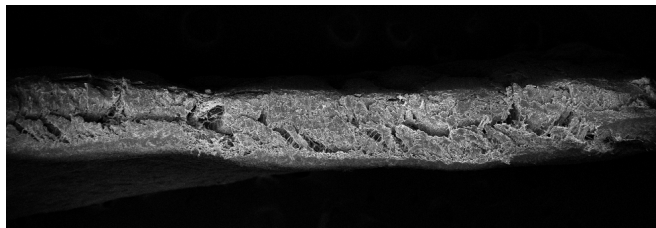
PRESENTATIONS

Code	Presentation	Sizes
1 MEM L 1,5x2	Membrane	1,5 x 2,0 cm
2 MEM L 2x3	Membrane	2,0 x 3,0 cm
3 MEM L 3x3	Membrane	3,0 x 3,0 cm
4 MEM L 4x4	Membrane	4,0 x 4,0 cm

CLINICAL APPLICATIONS

- Periodontology & Oral Surgery: Promotes periodontal tissue regeneration
- Implantology: Covers, immobilizes, and protects bone grafts
- Guided Tissue Regeneration (GTR) Barrier
- Sinus Augmentation: Supports sinus membrane (Schneiderian membrane) repair and reinforcement
- Fenestration & Dehiscence Defect Treatment
- Alveolar Ridge Preservation: Barrier for socket grafting, post-extraction procedures, and immediate implant placement

MICROGRAPH



Cross-Section of Collagen Membrane
(200 µm)