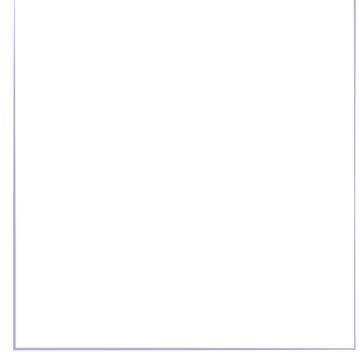


mis[®]
RCM

Resorbable
Collagen
Membrane



MIS' Bone Grafting Solutions.

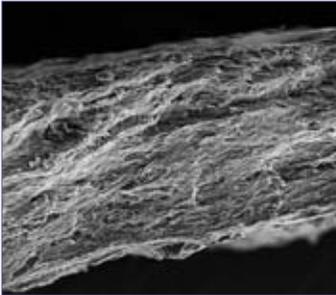
MIS offers a variety of advanced bone and tissue regeneration products aimed at a wide variety of clinical conditions and surgical requirements. All products in this category are packed in varying weights and volumes and in user-friendly containers and utensils, allowing practitioners to choose the precise quantity required for each procedure.

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6.

Product Description.

RCM is a resorbable dental membrane made from porcine skin-sourced collagen, aimed for guided bone and tissue regeneration (GBR and GTR). Due to its substantially proven biocompatibility and low immunogenicity, porcine collagen has been successfully used in a variety of medical and dental procedures for many years. RCM production involves a cross-linkage technique, enabling its functionality as an efficient barrier for a 4-6 months period.



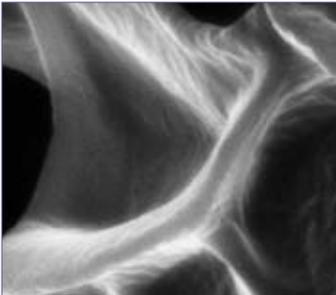
Macropori 100 μ m

Purified collagen properties

Purified skin-sourced collagen ■ Collagen types I and III ■ Preservation of the fibrous structure (supporting mechanical strength)

Cross-linkage production technique

A bath in a cross-linking reagent ■ Prolonged resorption time ■ Neutralization: elimination of the residual cross-linker ■ Chemical analysis of residual reagent

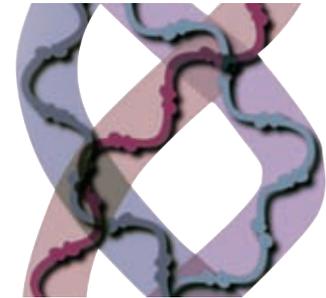


Micropori <5 μ m

Resorption Control

Unique Cross-Linkage Technique.

The controlled process of collagen cross-linking allows sufficient time for bone regeneration and rehabilitation of osseous defects. The collagen cross-linking is directly controlled to assure the material's ideal longevity and degradation profile. Verified by animal testing, the degradation of RCM membranes is perfectly consistent .



Cross-linkage



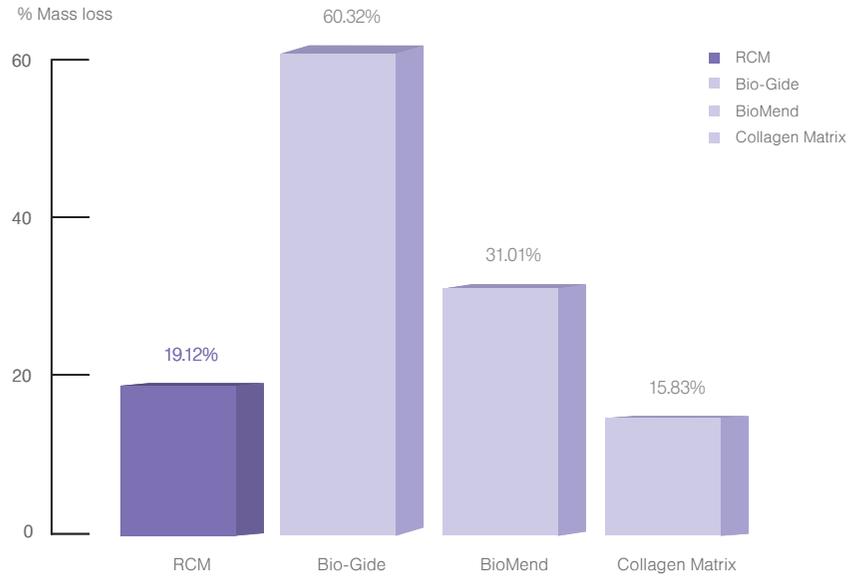
Collagen structure

8.

In-Vitro Resorption Control.

The following comparison demonstrates the rate of mass loss after 48 hours of in-vitro degradation in different types of membranes.

Averages loss of mass



Advantages.

RCM membrane is the result of extensive research and development, aiming at a functional barrier that would remain intact for a specific period of time.

Efficiency

Allowing sufficient time for osseous defects to achieve optimal regeneration, RCM barrier enables successful application for various indications.



Easy Handling

Easy to handle, cut to size, shape and apply. Easy to place, with no need for sutures or pins. Flexible and adaptable to various bone topographies



Safety

The porcine source ensures an improved sanitary safety and a complete and validated traceability.



Architectural bone remodeling

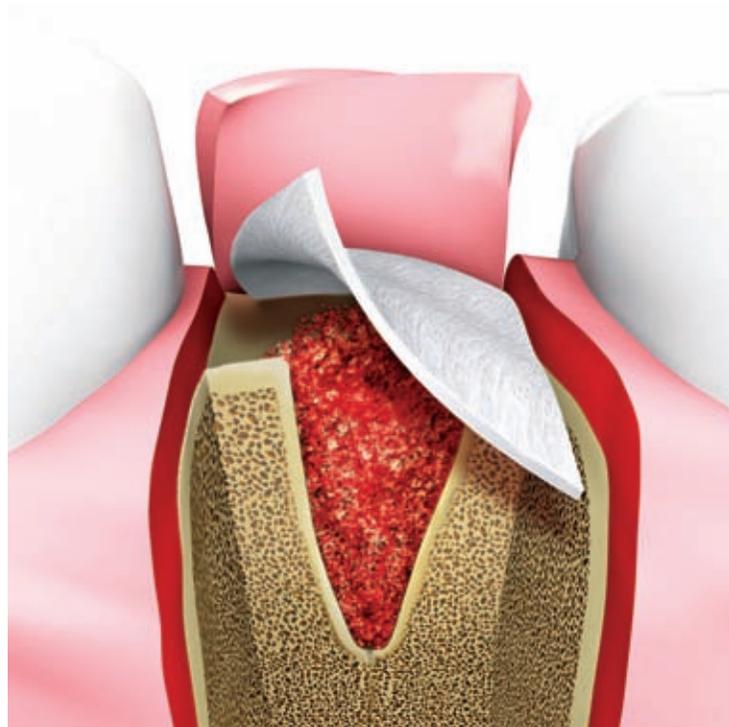
RCM microstructure and macrostructure represent a dynamic process, including physico-chemical processes, crystal/protein interactions, cell and tissue colonization and bone remodeling.



10.

RCM Indications.

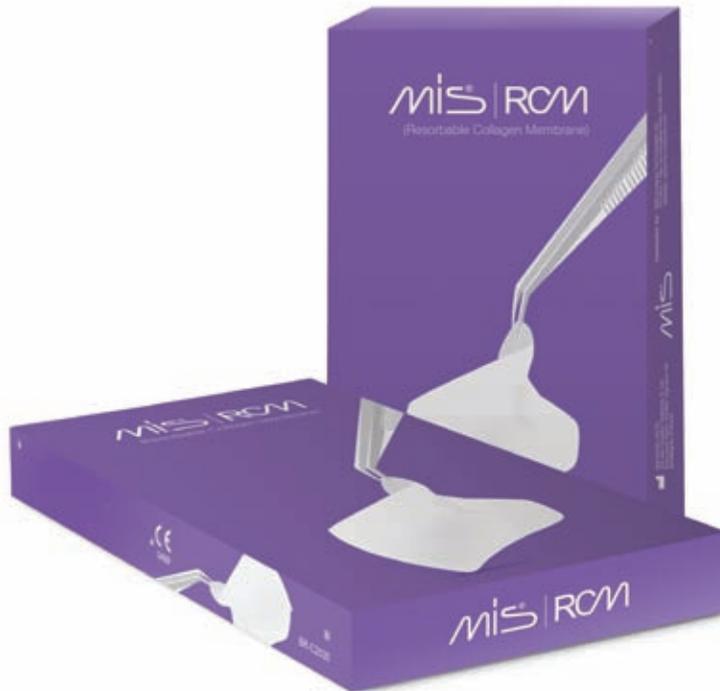
RCM is a bioabsorbable membrane. It is intended for use in periodontal/dental surgery procedures, for placement in areas of periodontal defect, dental implant, bone defect or ridge reconstruction, to support wound healing post surgery. It is recommended for use with a bone graft to promote new bone healing.



Tissue preservation is essential for efficient primary closure of the wound and for the correct positioning of the flaps.

Packaging.

RCM packaging is well designed to ensure its sterility. The external layer of the double pouch should be carefully opened and the inner pouch should be placed onto a sterile field. The membrane should be taken out of the inner pouch using sterile gloves or instruments.

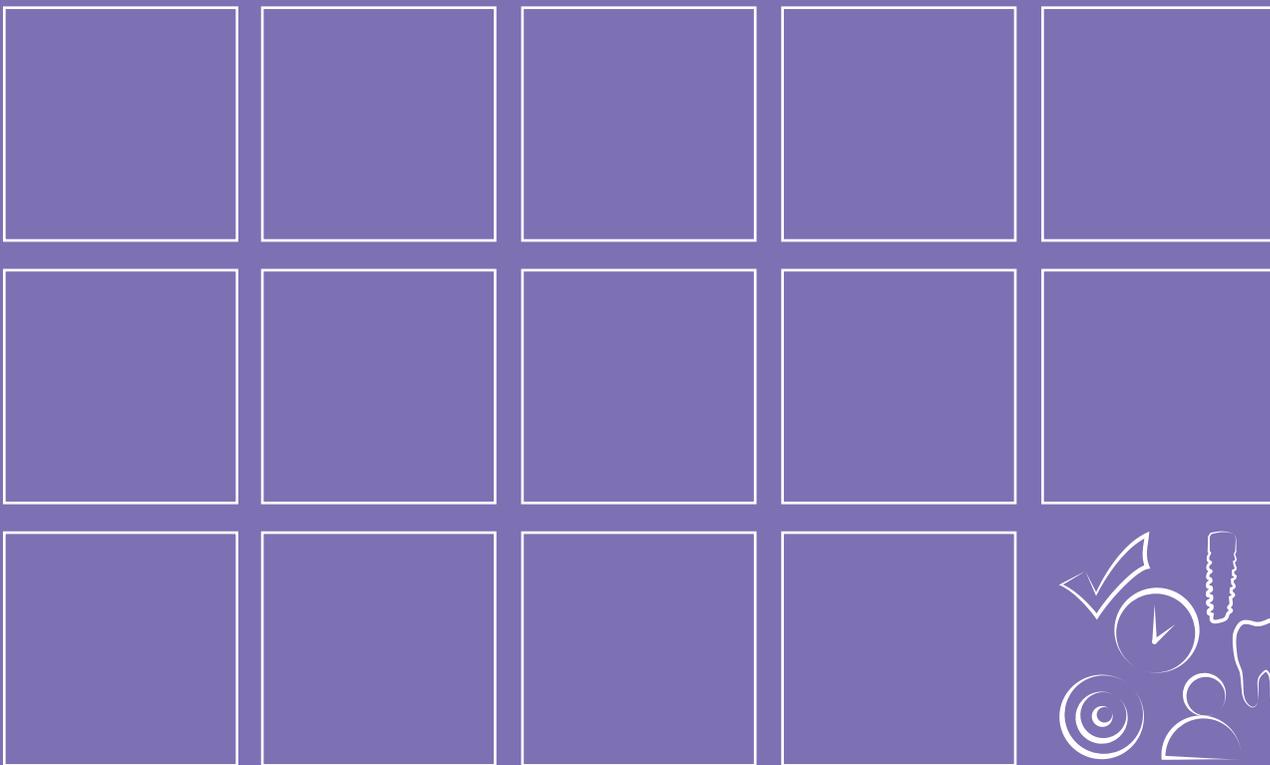


RCM is available in three sizes:

BR-C1525 - 15x25x0.3mm

BR-C2030 - 20x30x0.3mm

BR-C3040 - 30x40x0.3mm





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MIS' Quality System complies with international quality standards: ISO 13485:2003 - Quality Management System for Medical Devices, ISO 9001:2008 - Quality Management System and CE Directive for Medical Devices 9342//EEC. MIS' products are cleared for marketing in the USA and CE approved.