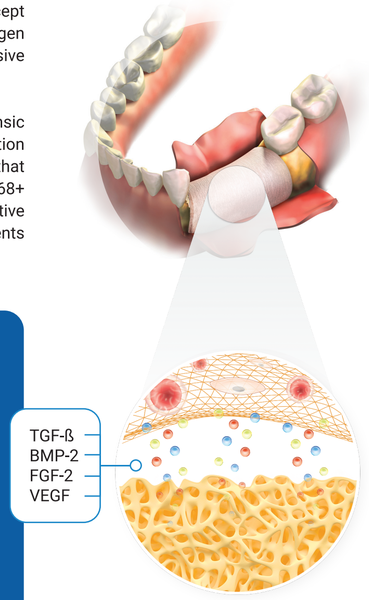
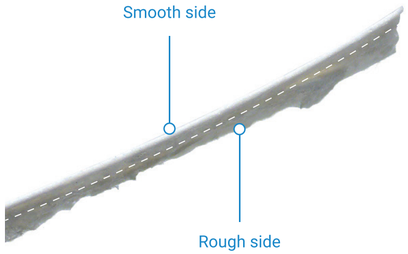
The use of membranes to wall off non-osteogenic elements is a dominant concept in Guided Bone Regeneration. However, collagen membranes are not limited to a passive protective activity.

The membrane compartment has an intrinsic and active role in leading the regeneration process within the GBR-treated defect. Cells that migrate onto the membrane (e.g., CD68+ monocytes/macrophages, periostin-positive osteoprogenitors) express and release elements that are pivotal for bone regeneration.



ActyColl membrane participates in the bone healing process in situ through its highly purified atelocollagen structure, thus ameliorating the quality of the tissue and its subsequent remodeling.

Actycoll RS: the dual side membrane



Unlike the standard membranes of this line, **ActyColl RS** displays a rough side characterized by less compact fibers with an increased surface and a tridimensional structure that improves cellular interactions and the healing process occurring in the defect.

Once the rough side is positioned with direct contact to the recipient bone and the graft, it guarantees great stability for the graft and the membrane itself.

Actycoll
Collagen bio-barrier

Literature

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BAC060421EN00

Actycoll

Collagen bio-barrier

CE 0426

ActyColl is the new line of absorbable membranes and fleeces made of highly pure type I atelocollagen of equine origin for Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR) procedures.

ActyColl Membrane

Actycoll membrane can be easily placed in site after bone grafting. Its collagen structure allows an easy and effective adhesion to bone graft surface ensuring an optimal protection of the implantation site by the infiltration of soft tissues, without any fixation.

Main properties

- Equine type I atelogollagen
- Totally safe and biocompatible
- Easy to apply
- Fully absorbable
- 4 to 6 weeks protection time

ActyColl Fleece

Actycol Fleece is a moisture-stable collagen sponge which promotes the haemostasis in highly bleeding sites thanks to its porous structure. It contributes to the formation of a stable clot for the subsequent formation of fibrin bridges, thus enhancing wound healing.

Unlike the membrane, its less compact and more porous structure accelerates the resorption time.

Main properties

- Equine type I atelocollagen
- Totally safe and biocompatible
- Easy to apply
- High haemostatic capability
- Excellent clot stabilization
- Wound protection and soft tissue healing enhancement

Indications

Membrane

- Protection of peri-implant bone defects
- Closure of small tears of the sinus membrane
- Restoration of small bone dehiscences
- Post-extractive socket protection
- Sinus bone access coverage in sinus lift procedures

Fleece

- Bleeding control at the implantation site
- Protection of small wounds, by promoting mucosal healing
- Protection of the maxillary sinus membrane
- Haemostasis and preservation of post-extractive sockets

Product range

ACF-20301	ActyColl Fleece 20 x 30 x 6 mm 1 pc
ACF-20303	ActyColl Fleece 20 x 30 x 6 mm 3 pcs
ACF-30401	ActyColl Fleece 30 x 40 x 6 mm 1 pc
ACF-30403	ActyColl Fleece 30 x 40 x 6 mm 3 pcs
ACF-50501	ActyColl Fleece 50 x 50 x 6 mm 1 pc
ACF-50503	ActyColl Fleece 50 x 50 x 6 mm 3 pcs
ACM-15201	ActyColl Membrane 15 x 20 x 0.2 mm 1 pcs
ACM-15206	ActyColl Membrane 15 x 20 x 0.2 mm 6 pcs
ACM-152010	ActyColl Membrane 15 x 20 x 0.2 mm 10 pcs
ACM-20201	ActyColl Membrane 20 x 20 x 0.2 mm 1 pcs
ACM-20206	ActyColl Membrane 20 x 20 x 0.2 mm 6 pcs
ACM-202010	ActyColl Membrane 20 x 20 x 0.2 mm 10 pcs
ACM-25251	ActyColl Membrane 25 x 25 x 0.2 mm 1 pc
ACM-25256	ActyColl Membrane 25 x 25 x 0.2 mm 6 pcs
ACM-252510	ActyColl Membrane 25 x 25 x 0.2 mm 10 pcs
ACM-20301	ActyColl Membrane 20 x 30 x 0.2 mm 1 pc
ACM-20306	ActyColl Membrane 20 x 30 x 0.2 mm 6 pcs
ACM-203010	ActyColl Membrane 20 x 30 x 0.2 mm 10 pcs
ACM-30401	ActyColl Membrane 30 x 40 x 0.2 mm 1 pc
ACM-2020RS	ActyColl RS Membrane 20 x 20 x 0.2 mm 1 pc
ACM-2525RS	ActyColl RS Membrane 25 x 25 x 0.2 mm 1 pc
ACM-2030RS	ActyColl RS Membrane 20 x 30 x 0.2 mm 1 pc
ACM-3040RS	ActyColl RS Membrane 30 x 40 x 0.2 mm 1 pc

15 x 20 x 0.2 mm

20 x 20 x 0.2 mm

25 x 25 x 0.2 mm

20 x 30 x 0.2 mm

30 x 40 x 0.2 mm