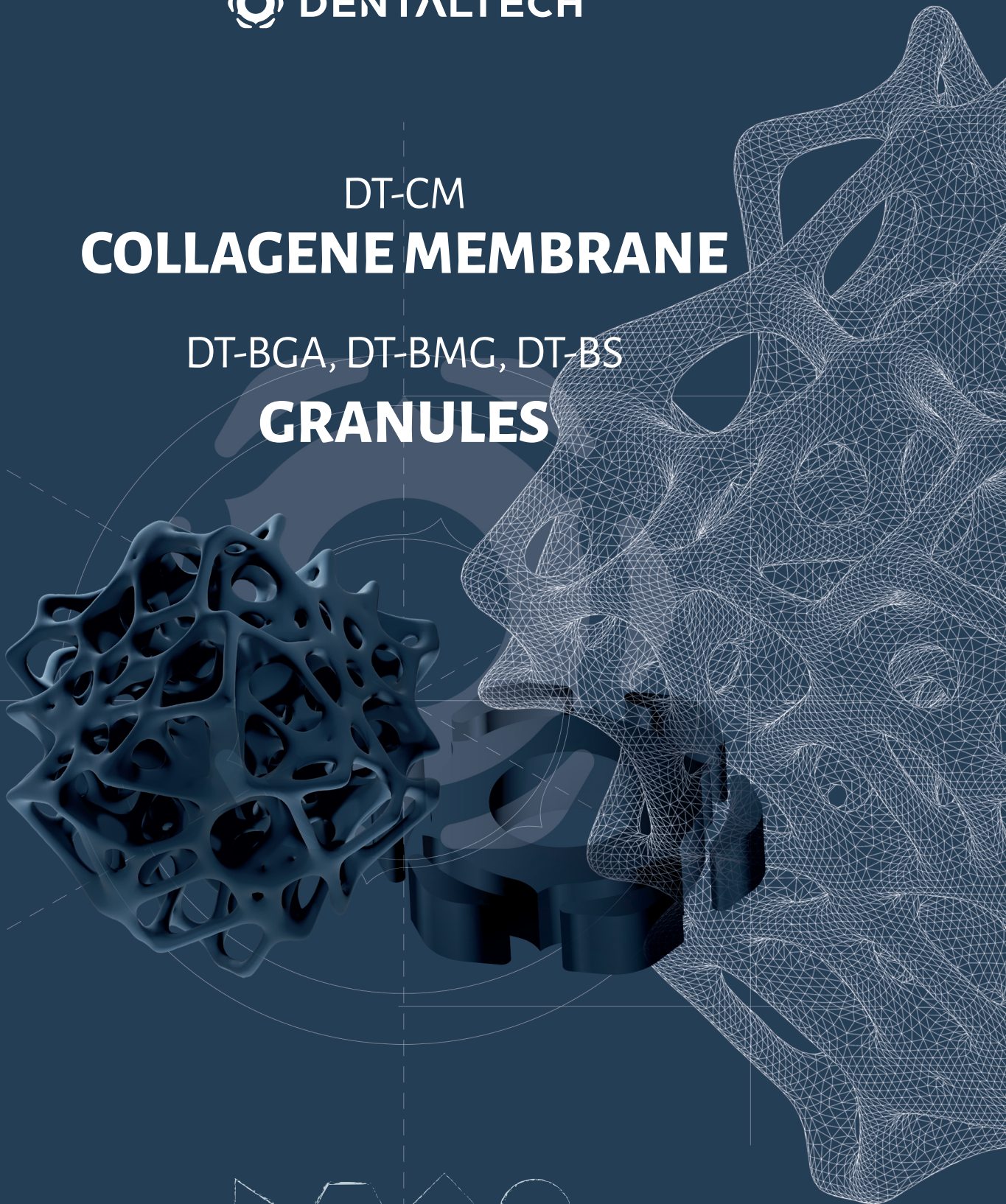




DT-CM
COLLAGENE MEMBRANE

DT-BCA, DT-BMG, DT-BS
GRANULES



BIOMATERIALS
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DT-CM

COLLAGEN MEMBRANE

DT-CM is the new absorbable membrane made of highly pure type I atelocollagen of equine origin for Guided Tissue Regeneration (GTR) and Guided Bone Regeneration (GBR) procedures.

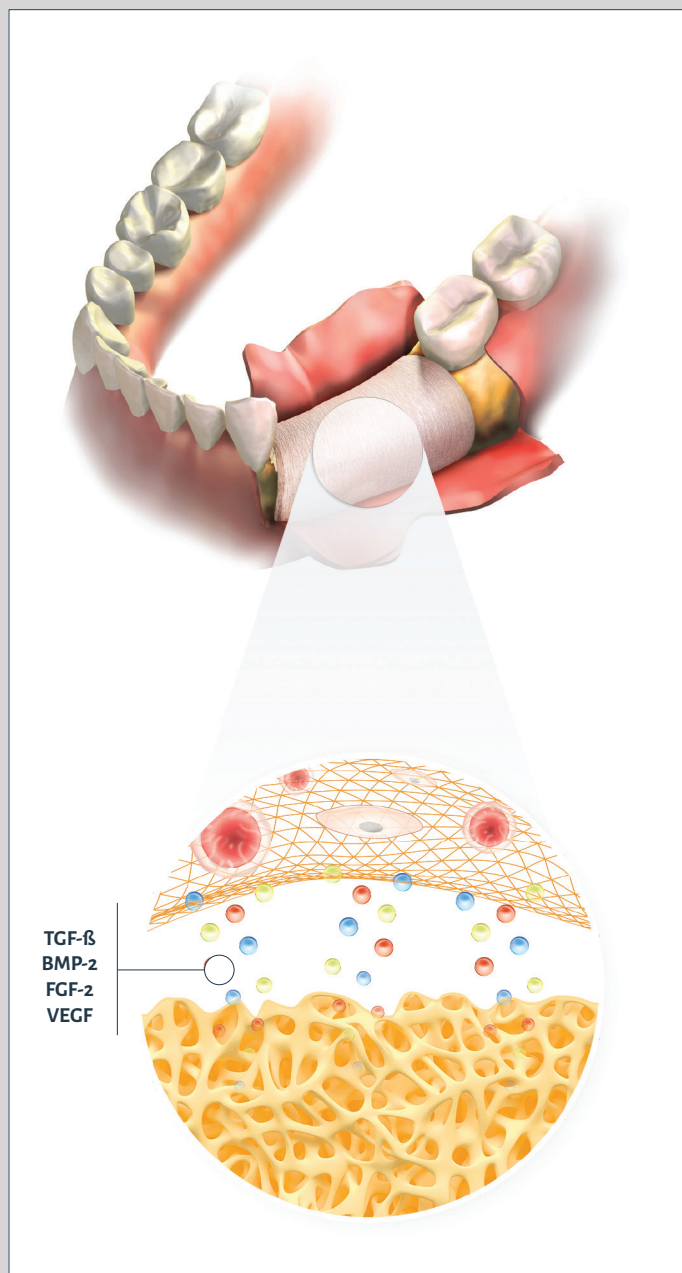
The use of membranes to wall off non-osteogenic elements is a dominant concept in Guided Bone Regeneration. However, collagen membranes are not limited to a passive protective activity.

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 express and release elements that are pivotal for bone regeneration.

The collagen membrane participates in the bone healing process in situ through its structure, thus ameliorating the quality of the tissue and its subsequent remodeling.

DT-CM 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.



DT-CM

COLLAGEN MEMBRANE



Main properties

- » Resorbable membrane for the protection of dental implant site from soft tissue infiltration. It consists of type I atelocollagen of equine origin. It can be easily positioned in situ to protect the bone graft, without the need for any fixation.
- » The 3D structure of the membrane adapts effectively to the surface of the bone graft, ensuring optimal protection of the implant site. Absorption occurs physiologically in about 4-6 weeks.

Indications

- » 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



Product dimension
25 x 25 mm (sc 1:1)

Product range					
REF	Product	Formulation	Format	Pieces	
CLM-25251	DT-CM	Collatys Collagen Membrane	25 x 25 x 0,2 mm	1	

DT-BCA | DT-BMG | DT-BS

GRANULES

Line of natural bone substitutes of equine origin developed and produced by Tiss'You through its own **patented process EstRem** (Esterification Celi-Removal Technology - patent number WO2020058813A 1).

This innovative tissue processing treats all connective tissues of animal origin to obtain totally biocompatible tissue substitutes, preserving the fundamental biological features useful for the regeneration process.

Using the process of the present invention, it is possible to eliminate the lipidic components (free lipids, phospholipids of the cell membranes, and lipoproteins) bringing them to a solution or gaseous phase, given their volatility, leaving the proteins in their native structure (quaternary structure) and the polysaccharides intact, since they are without free carboxylic groups that can react. For this reason, the process of the present invention can be effectively applied to all connective tissues of mammals.

The differences of the EstRem process compared to those currently in use are as follows:

- » Take advantage of a reaction capable of transforming some tissue components into easily eliminated reaction products without hydrolysing (and therefore damaging) the proteins and polysaccharides of the extra-cellular matrix
- » It can be applied effectively in the treatment of all tissues of animal origin
- » EstRem is a much faster process than all the treatments used today in the production of biomaterials, guaranteeing parameters of the highest quality and excellent competitiveness

The granules are available in two different configurations:

MATRIX (Code DT-BMG and DT-BS)

The EstRem process allows to obtain totally biocompatible grafts, belonging to the MATRIX configuration, whose bone matrix is integrally preserved in its organic and inorganic components, to be used as a scaffold with optimal osteoconductive characteristics.

APATITE (Code DT-BCA)

The grafts of the Apatite line, obtained by applying a heat treatment following the EstRem process, are made of pure bone mineral in its natural porous structure. They retain excellent osteoconduction characteristics, but the significantly longer degradation times make them suitable for all those applications that require high maintenance of the implant volume and limited resorption over time.

DT-BGA GRANULES



Graft composed of slow resorption bone mineral only, ideal in guided bone regeneration (GBR) procedures with high demands for maintenance of the implant volume.



Main properties

- » Elimination of all organic components
- » Selective preservation of bone mineral in the form of natural hydroxyapatite
- » Completely safe and biocompatible
- » Excellent osteoconduction and maintenance of the implant volume
- » Excellent bone integration, slow resorption, and long permanence in the implant site

Indications

DT-BGA grafts, by virtue of their slow resorption, are indicated in all those cases where you want to limit or delay the resorption of the graft to keep its volume stable over time.

- » Sinus lift
- » Small and large bone augmentation also in association with autologous grafts, to limit bone resorption
- » Filling of post-extractive sockets

Product range					
REF	Product	Formulation	Format	Pieces	
PBA-So11	DT-BGA	PuryBone Apatite cancellous granules	(0,5-1 mm) - 1,0 cc	1	▶

DT-BMG | DT-BS

GRANULES



Fully preserved bone matrix grafts, available in vials and in the special 0.5 cc filter-cap syringe which allows direct mixing of the granules with the patient's blood and extremely practical management of the graft.



Main properties

The excellent osteoconduction of DT-BMG and DT-BS grafts favors the formation of new vascularized bone tissue, allowing for rapid osseointegration and complete remodeling of the graft.

- » Completely preserved extracellular matrix
- » Biological properties and biomechanical characteristics typical of bone tissue
- » Natural scaffold for optimal osteoconduction
- » Complete remodeling in physiological modalities and times
- » Available in bottle granule mix or in the convenient filter cap syringe

Indications

- » Treatment of periodontal and peri-implant defects
- » Preservation of post-extraction sockets
- » Small and large sinus lifts
- » Horizontal and vertical ridge increases



Product range

REF	Product	Formulation	Format	Pieces
PBM-Mo11	DT-BMG	PuryBone Matrix mix granules	(0,5-1 mm) - 1,0 cc	1
PBM-Soo1S	DT-BS	PuryBone Matrix cancellous granules in filter cap syringe	(0,5-1 mm) - 0,5 cc	1



